

**APPLICATION FOR RECOGNITION OF HEI /  
PROGRAMMES UNDER OPEN AND  
DISTANCE LEARNING MODE  
UGC (ODL) REGULATIONS, 2018**

**Academic session beginning  
July, 2018**



***Submitted by:*  
Gauhati University**

**APPLICATION FOR RECOGNITION OF HEI  
/ PROGRAMMES UNDER OPEN AND  
DISTANCE LEARNING MODE  
UGC (ODL) REGULATIONS, 2018**

**Academic session beginning  
July, 2018**



**Submitted by:  
Gauhati University**

## INDEX PAGE

<b>Sl. No</b>	<b>Item</b>
1	Forwarding Letter from Registrar, Gauhati University <i>(Total Page 1)</i>
2	Certificate from Registrar, Gauhati University <i>(Total Page 1)</i>
3	Additional Note on Online Application <i>(Total Page 1)</i>
4	Application for Recognition of 22 Programmes <i>(Total Pages 110)</i>
5	Index for Annexure <i>(Total Page 1)</i>
6	Annexure <i>(Total Pages 52)</i>
7	PPR Index Page <i>(Total Page 1)</i>
8	PPR <i>(Total Pages 563)</i>



GAUHATI UNIVERSITY

Gopinath Bardoloi Nagar:: Guwahati - 781014:: Assam, India

Ph: 0361-2570415 (O), Fax: 0361-2700311

Website: www.gauhati.ac.in, Email : registrar@gauhati.ac.in/ sknath@gauhati.ac.in

File No: IDOL/GU/Dir/6(A)/2018/...2.035

Date: 28/4/2018

From: Dr. S.K. Nath, M.A., B.Ed., Ph.D.  
Registrar  
Gauhati University

To  
The Joint Secretary (Recognition)  
University Grants Commission, Distance Education Bureau  
35, Feroze Shah Road, Delhi-110001

*Sub: Application for Recognition of ODL programmes.*

Sir,

This is to inform you that Gauhati University Institute of Distance and Open Learning has applied for recognition/approval of 22 programmes to be offered in ODL mode from the academic session 2018-2019 & onwards.

As desired, the application along with the relevant annexures has been uploaded in the UGC website on 29-04-2018.

In addition to the above, the hard copies of the application are herewith submitted for kind consideration at your end.

Thanking you.

Yours faithfully

Dr. Suresh Kumar Nath  
Registrar  
Gauhati University

Registrar  
Gauhati University, Guwahati-14

Documents Enclosed:

- Application in UGC format Pan A, B & C (In triplicate)
- All relevant documents as required by UGC (In triplicate)





**GAUHATI UNIVERSITY**

Gopinath Bardoloi Nagar:: Guwahati - 781014:: Assam, India

Ph: 0361-2570415 (O), Fax: 0361-2700311

Website: [www.gauhati.ac.in](http://www.gauhati.ac.in), Email : [registrar@gauhati.ac.in](mailto:registrar@gauhati.ac.in)/ [sknath@gauhati.ac.in](mailto:sknath@gauhati.ac.in)

File No: IDOL/GU/Dir/6(A)/2018/...2024

Date: 28/4/2018

**CERTIFICATE**

This is to certify that all the documents submitted herewith by Gauhati University Institute of Distance and Open Learning (GUIDOL) for recognition/approval of programmes to be offered in ODL mode from the academic year 2018-2019 & onwards is correct to the best of my knowledge.

**Dr. Suresh Kumar Nath**  
**Registrar**  
**Gauhati University**

গোহাটী বিশ্ববিদ্যালয়, গুৱাহাটী-১৪  
Registrar  
Gauhati University, Guwahati-14

**Additional Note in connection with Application submitted by Gauhati University  
Institute of Distance and Open Learning (GUIDOL) for Recognition of  
HEI/Programme under UGC (ODL) Regulations, 2018**

**Part A: (Step 1)**

NAAC Accreditation "valid upto" dropdown menu contains year from 2016 onwards, but in case of Gauhati University, NAAC accreditation was valid upto 2015 (*please refer Annexure at the part C of the application form*) and the process of NAAC assessment and accreditation for Cycle 3 is going on. Being out of options, we have indicated 2016 as year to which, the last accreditation of Gauhati University was valid. **This may please be treated as 2015.** G.U. has in the meantime submitted fresh application to NAAC for accreditation. The application was submitted in Dec 2017/January 2018 and visit of the peer team is scheduled in May 2018.

**Part A: (Step 4)**

Master of Computer Applications (MCA) is not currently offered in regular mode of Gauhati University, though similar programmes are in offered by different regular department in this University in regular mode. M.Sc (Computer Science), M.Sc (Information Technology) & M.Tech (IT) are offered through regular department and the syllabi are quite similar to the MCA programme that has been proposed to offer.

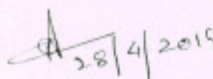
**Part A (Step 5)**

In the format provided for entering the data on Learner Support Centres (LSC), there is a point namely "Whether the College/Institute is Private or Govt. (Where LSC is established)". In our case, there are 5 (five) Learner Support Centres which are situated at public funded Colleges which are neither fully Government nor fully Private. Therefore, the status is filled up as "Non Provincialised". The names of the Colleges are given below.

1. Rangia T. T. College, Rangia
2. Barpeta B.T. College, Barpeta
3. Dhamdhama Anchalic College, Nalbari
4. Thamna Anchalic College, Thmana
5. Murazar College, Nagaon

In addition to the above, the details on faculty positions could not be incorporated in the online application form.

- I. Assistant Professor in Economics (Interview was held on 14.09.2017, recruitment will be done soon)
- II. Academic Consultants in Philosophy, Bodo, History and Mathematics are advertised and to be recruited soon.

  
28/4/2018  
DIRECTOR, GUIDOL

  
28/4/18  
REGISTRAR, GU  
গৰাহাটী বিশ্ববিদ্যালয়, গুৱাহাটী-১৪  
Registrar  
Gauhati University, Guwahati-14

**APPLICATION FOR RECOGNITION OF HEI / PROGRAMMES UNDER OPEN AND DISTANCE LEARNING MODE  
UGC (ODL) REGULATIONS, 2018**

Academic session beginning July, 2018

**Part A****Higher Educational Institutions Details**

Registration ID :	DEB/ASS/198/2017/89
Name of the Higher Educational institution :	GAUHATI UNIVERSITY
Address :	GOPINATH BARDOLOI NAGAR, JALUKBARI, GUWAHATI
Tel :	8876038485
Email :	SKNATH@GAUHATI.AC.IN
State :	ASSAM
Fax :	03612700311
Official Website of HEI :	WWW.GAUHATI.AC.IN
Name of the Vice Chancellor :	DR. MRIDUL HAZARIKA
Name of the Pro Vice Chancellor/Rector(if any):	PROF. HARI PRASAD SARMA
Name of the Registrar	DR. SURESH KUMAR NATH
Name of the Department/School/Centre of Distance Education :	INSTITUTE OF DISTANCE AND OPEN LEARNING
Address of the Department/School/Centre of Distance Education:	INSTITUTE OF DISTANCE AND OPEN LEARNING (IDOL) GAUHATI UNIVERSITY GOPINATH BARDOLOI NAGAR, JALUKBARI, GUWAHATI 781014
Tel of the Department/School/Centre of Distance Education:	03612573887
Email of the Department/School/Centre of Distance Education:	DIRECTOR_IDOL@GAUHATI.AC.IN
Fax of the Department/School/Centre of Distance Education:	03612573887
Official website for distance education, if any :	WWW.IDOLGU.IN
Name of Director/Head of Department/Head of School/Centre of Distance Education :	PROF AMIT CHOUDHURY
Designation :	DIRECTOR
Mobile No. :	8811092694
Type of HEI :	STATE
Year of establishment of HEI :	Year : 1948 Month: 1
Recognition status of the HEI as per UGC Act, 1956:	SECTION 2(F)
Is HEI also recognized under 12 (B):	YES
Whether accredited by NAAC? :	YES
Year of assessment of NAAC :	2010

NAAC CGPA Score :	2.910
NAAC Accreditation valid upto :	2016
Whether valid for the academic year 2018-19 :	NO
Whether HEI is ready or has already applied for NAAC assessment:	YES
State if NAAC is not applicable at present (For SOUs & existing HEIs recognized for ODL mode by UGC for 2017-18 only):	YES
In case of existing recognized HEI, mention letter No. & date of UGC recognition letter :	F.NO.3-1/2016(DEB-V) DATED: 12/9/2016
Territorial Jurisdiction of HEI as per its Act for offering proposed ODL programmes :	WITHIN THE STATE
Territorial Jurisdiction of HEI for offering proposed ODL programmes as per Annexure IV of UGC (ODL) Regulations, 2017 :	WITHIN THE STATE
Whether Center for Internal Quality Assurance (CIQA) is established or not :	YES

**TABLE 1.1**

Academic Year Planner [Programmes under yearly system]:			
Sr.No.	Name of the Activity	Tentative months schedule (specify months) during Year	
		From(Month)	To(Month)
1.	Admission	JUL	AUG
2.	Distribution of SLM	JUL	AUG
3.	Contact Programmes(counselling, Practicals,etc.)	DEC	FEB
4.	Assignment Submission (if any)	JUN	JUL
5.	Evaluation of Assignment	AUG	SEP
6.	Examination	AUG	SEP
7.	Declaration of Result	NOV	JAN

**TABLE 1.2**

Academic Year Planner [Programmes under Semester System]:					
Sr.No.	Name of the Activity	July		January	
		From	To	From	To
1.	Admission	JUL	AUG	JAN	FEB
2.	Distribution of SLM	JUL	AUG	JAN	FEB
3.	Contact Programmes(counselling, Practicals,etc.)	SEP	DEC	MAR	JUN
4.	Assignment Submission (if any)	DEC	JAN	JUN	JULY
5.	Evaluation of Assignment	FEB	MAR	AUG	SEP
6.	Examination	FEB	MAR	AUG	SEP
7.	Declaration of Result	MAY	JUN	NOV	DEC

**TABLE 1.3**

TOTAL BUILT UP AREA EXCLUSIVELY FOR OPEN AND DISTANCE LEARNING (MINIMUM 15000 SQ):			
Built-up Area Type	Minimum Built up area required as per Regulations	Built-Up Area available(Carpet Area Sq. ft)	Difference

Academic	7500	10497	-2997
Administrative	1500	4322	-2822
Academic support such as Library, Reading Room, Computer Centre, Information and Communication technology labs, Video and Audio Labs etc.	4500	12818	-8318
Amenities or other support facilities(Excluding toilets)	1500	1688	-188
<b>Total built-up area for ODL activities</b>	<b>15000</b>	29325	-14325

TABLE 1.4

DETAILS OF STUDENTS ENROLLED AND PASSED UNDER ODL MODE :			
Academic year	Particular	UG Degree	PG Degree
2017-18	No. of students enrolled	574	9277
	No. of students passed	431	2120
2016-17	No. of students enrolled	820	18180
	No. of students passed	528	3169
2015-16	No. of students enrolled	503	21149
	No. of students passed	0	3906

TABLE 1.5(Proposed Programme details for Distance Education)

SrNo.	Name of Programme proposed to be offered from July, 2018 onward	Whether as per UGC Degree specification 2014(Y/N)	Minimum Duration of programmes (years)	Type of Programme: Professional or General	Whether SLM prepared for complete programme	Whether offered under Regular mode
1	BACHELOR OF COMPUTER APPLICATIONS	YES	3	PROFESSIONAL	YES	YES
2	BACHELOR OF SCIENCE (INFORMATION TECHNOLOGY)	YES	3	PROFESSIONAL	YES	YES
3	MASTER OF COMPUTER APPLICATIONS	YES	3	PROFESSIONAL	YES	NO
4	MASTER OF SCIENCE (INFORMATION TECHNOLOGY)	YES	2	PROFESSIONAL	YES	YES
5	BACHELOR OF ARTS (GENERAL COURSES)	YES	3	GENERAL	YES	YES
6	BACHELOR OF COMMERCE (GENERAL COURSES)	YES	3	GENERAL	YES	YES
7	MASTER OF COMMERCE	YES	2	GENERAL	YES	YES
8	MASTER OF SCIENCE IN ECONOMICS	YES	2	GENERAL	YES	YES
9	MASTER OF SCIENCE IN MATHEMATICS	YES	2	GENERAL	YES	YES
10	MASTERS OF ARTS IN ASSAMESE	YES	2	GENERAL	YES	YES
11	MASTERS OF ARTS IN BENGALI	YES	2	GENERAL	YES	YES
12	MASTERS OF ARTS IN BODO	YES	2	GENERAL	YES	YES
13	MASTERS OF ARTS IN ECONOMICS	YES	2	GENERAL	YES	YES
14	MASTERS OF ARTS IN EDUCATION	YES	2	GENERAL	YES	YES
15	MASTERS OF ARTS IN ENGLISH	YES	2	GENERAL	YES	YES
16	MASTERS OF ARTS IN HISTORY	YES	2	GENERAL	YES	YES
17	MASTERS OF ARTS IN MASS COMMUNICATION	YES	2	GENERAL	YES	YES
18	MASTERS OF ARTS IN MATHEMATICS	YES	2	GENERAL	YES	YES
19	MASTERS OF ARTS IN NEPALI	YES	2	GENERAL	YES	NO
20	MASTERS OF ARTS IN PHILOSOPHY	YES	2	GENERAL	YES	YES
21	MASTERS OF ARTS IN POLITICAL SCIENCE	YES	2	GENERAL	YES	YES
22	MASTERS OF ARTS IN SANSKRIT	YES	2	GENERAL	YES	YES

TABLE 1.6(Regional Centre details)

SrNo.	Name & Address of Regional Centre	HEI Association with RC (Owned, maintained etc.)	Name and Contact Details of Coordinator/Counsellor	Qualification of Coordinator/Counsellor at RC	No. of Counsellor at RC	No. of LSC covered under RC
1	GAUHATI UNIVERSITY INSTITUTE OF DISTANCE AND OPEN LEARNING, GAUHATI UNIVERSITY, GOPINATH BARDOLOI NAGAR, JALUKBARI, GUWAHATI, ASSAM, PIN: 781014	OWNED (HEAD QUARTER)	PROF. AMIT CHOUDHURY EMAIL: DIRECTOR_IDOL@GAUHATI.AC.IN MOBILE NO: 8811092694	M.SC (ISI, KOLKATA) PH.D (GAUHATI UNIVERSITY)	90	96

TABLE 1.7(Learner Support Centre (LSC) details)

SrNo.	Name & Address of College/institute (where LSC is established):	Name of HEI to which College/institute is affiliated (where LSC is established)	Whether the College/institute is private or Govt.(where LSC is established)	Name and Contact Details of Coordinator/counsellor	Qualification of Coordinator/Counsellor	No. of Counsellor	Proposed Program July, 2018 onwards
-------	---	---	---	--	---	-------------------	-------------------------------------



1	B.H. COLLEGE HOWLY, BARPETA ASSAM, PIN 781316	GAUHATI UNIVERSITY	GOVERNMENT	DR.SULTAN ALI AHMED EMAIL: SAHMED.BHC.ENG@GMAIL.COM MOBILE NO: 9435513424	MA, PH.D	38	1.BACH ARTS (C COURS 2.BACH COMMI (GENE COURS 3.BACH COMPU APPLIC 5.MAST COMMI 8.MAST SCIENC ECONC 9.MAST SCIENC MATHE 10.MAS ARTS I ASSAM 11.MAS ARTS I 12.MAS ARTS I 13.MAS ARTS I ECONC 14.MAS ARTS I EDUCA 15.MAS ARTS I 16.MAS ARTS I 18.MAS ARTS I MATHE 20.MAS ARTS I PHILO 21.MAS ARTS I POLITI SCIENC 22.MAS ARTS I SANSK
---	---	-----------------------	------------	---	----------	----	---

2	MANGALDAI COLLEGE MANGALDAI, DARRANG ASSAM, PIN 784125	GAUHATI UNIVERSITY	GOVERNMENT	PARESH KR. SARMA EMAIL: NA MOBILE NO: 9435006483	MA	37	1.BACH ARTS ( COURSE 3.BACH COMPU APPLIC 4.BACH SCIENC (INFOR TECHN 6.MAST COMPU APPLIC 7.MAST SCIENC (INFOR TECHN 8.MAST SCIENC ECONC 9.MAST SCIENC MATHE 10.MAS ARTS I ASSAM 11.MAS ARTS I 13.MAS ARTS I ECONC 14.MAS ARTS I EDUCA 15.MAS ARTS I 16.MAS ARTS I 18.MAS ARTS I MATHE 20.MAS ARTS I PHILOC 21.MAS ARTS I POLITI SCIENC 22.MAS ARTS I SANSK
---	--	--------------------	------------	--	----	----	--

3	LOKNAYAK OMEO KUMAR DAS COLLEGE, DHEKIAJULI, SONITPUR ASSAM, PIN 784110	GAUHATI UNIVERSITY	GOVERNMENT	HARI PRASAD BARUAH EMAIL: HARIPBARUAH@GMAIL.COM MOBILE NO: 9864201492	MA, PH.D	41	1.BACH ARTS (C COURS 2.BACH COMM (GENE COURS 5.MAST COMM 8.MAST SCIENC ECONC 9.MAST SCIENC MATHE 10.MAS ARTS I ASSAM 11.MAS ARTS I 12.MAS ARTS I 13.MAS ARTS I ECONC 14.MAS ARTS I EDUCA 15.MAS ARTS I 16.MAS ARTS I 18.MAS ARTS I MATHE 19.MAS ARTS I 20.MAS ARTS I PHILO 21.MAS ARTS I POLITI SCIENC
---	--	-----------------------	------------	---	----------	----	---

4	CHAI DUAR COLLEGE GOHPUR, SONITPUR ASSAM, PIN 784168	GAUHATI UNIVERSITY	GOVERNMENT	DR. MADHAV UPADHYAY EMAIL : MDHB2004@REDIFFMAIL.COM MOBILE NO. : 94351-83926	M.SC, MPHIL, PH.D	28	1.BACH ARTS ( COURSE 2.BACH COMM (GENE COURSE 5.MAST COMM 8.MAST SCIENC ECONC 9.MAST SCIENC MATHE 10.MAS ARTS I ASSAM 13.MAS ARTS I ECONC 14.MAS ARTS I EDUCA 15.MAS ARTS I 16.MAS ARTS I 18.MAS ARTS I MATHE 21.MAS ARTS I POLITI SCIENC
5	BENGAL COLLEGE P.O. / VILL. BENG TOL CHIRANG BTAD(ASSAM), PIN- 783394, BTAD	GAUHATI UNIVERSITY	GOVERNMENT	PROBIN NARZARY EMAIL: PROBS76@GMAIL.COM MOBILE NO: 8474026658	MA, MPHIL	29	1.BACH ARTS ( COURSE 10.MAS ARTS I ASSAM 12.MAS ARTS I 13.MAS ARTS I ECONC 14.MAS ARTS I EDUCA 15.MAS ARTS I 16.MAS ARTS I 20.MAS ARTS I PHILO 21.MAS ARTS I POLITI SCIENC

6	DHUBRI GIRLS' COLLEGE P.O. & DIST: DHUBRI, PIN-783301, ASSAM	GAUHATI UNIVERSITY	GOVERNMENT	MADHUSUDHAN MALAKAR EMAIL : MADHU.RUNU88@REDIFFMAIL.COM MOBILE NO. 9707674846	MA	20	1.BACH ARTS ( COURSE 10.MAS ARTS I ASSAM 14.MAS ARTS I EDUCA 15.MAS ARTS I 16.MAS ARTS I 21.MAS ARTS I POLITI SCIENC
7	B.H.B. COLLEGE P.O. SARUPETA, BARPETA ASSAM, PIN 781318	GAUHATI UNIVERSITY	GOVERNMENT	HIMENDRA KALITA EMAIL: IDOLBHBCOLLEGE@GMAIL.COM MOBILE NO: 9854019168	MCA	38	1.BACH ARTS ( COURSE 2.BACH COMM (GENE COURSE 3.BACH COMPU APPLIC 5.MAS COMM 10.MAS ARTS I ASSAM 12.MAS ARTS I 13.MAS ARTS I ECONC 14.MAS ARTS I EDUCA 15.MAS ARTS I 16.MAS ARTS I 18.MAS ARTS I MATHE 20.MAS ARTS I PHILOS 21.MAS ARTS I POLITI SCIENC 22.MAS ARTS I SANSK

8	SBMS COLLEGE SUALKUCHI P.O.- SUALKUCHI, DIST.- KAMRUP ASSAM PIN-781103	GAUHATI UNIVERSITY	GOVERNMENT	RANJIT TAKU EMAIL: RANJITTAKU12@GMAIL.COM MOBILE NO: 9508594671	MA	32	1.BACH ARTS (C COURS 3.BACH COMPU APPLIC 10.MAS ARTS I ASSAM 13.MAS ARTS I ECONC 14.MAS ARTS I EDUCA 15.MAS ARTS I 16.MAS ARTS I 18.MAS ARTS I MATHE 20.MAS ARTS I PHILO 21.MAS ARTS I POLITI SCIENC
9	K.C. DAS COMMERCE COLLEGE P.O- REHABARI GUWAHATI ASSAM, PIN-781008	GAUHATI UNIVERSITY	GOVERNMENT	DR.RUNUMI LAHKAR DAS EMAIL: RUNULAHKARDAS@YAHOO.IN MOBILE NO: 9864089898	MA, PH.D	5	2.BACH COMMI (GENE COURS 5.MAS COMMI

10	CHHAYGAON COLLEGE CHHAYGAON, KAMRUP ASSAM, PIN 781124	GAUHATI UNIVERSITY	GOVERNMENT	DR. JOGEN BORO EMAIL : JOGENBORO@GMAIL.COM MOBILE NO. : 9707207506	MA, PH.D	29	1.BACH ARTS ( COURSE 2.BACH COMM (GENE COURSE 5.MAST COMM 10.MAS ARTS I ASSAM 13.MAS ARTS I ECONO 14.MAS ARTS I EDUCA 15.MAS ARTS I 16.MAS ARTS I 18.MAS ARTS I MATHE 20.MAS ARTS I PHILO 21.MAS ARTS I POLITI SCIENC
----	--	--------------------	------------	--	----------	----	--



11	RANGIA COLLEGE RANGIA, KAMRUP ASSAM, PIN 781354	GAUHATI UNIVERSITY	GOVERNMENT	KABINDRA BORO EMAIL: KABINDRABORO2GMAIL.COM MOBILE NO: 8399804140	MA, MPHIL	41	1.BACH ARTS ( ) COURS 2.BACH COMM (GENE COURS 3.BACH COMPU APPLIC 4.BACH SCIENC (INFOR TECHN 5.MAST COMM 8.MAST SCIENC ECONC 9.MAST SCIENC MATHE 10.MAS ARTS I ASSAM 11.MAS ARTS I 12.MAS ARTS I 13.MAS ARTS I ECONC 14.MAS ARTS I EDUCA 15.MAS ARTS I 16.MAS ARTS I 18.MAS ARTS I MATHE 20.MAS ARTS I PHILO 21.MAS ARTS I POLITI SCIENC 22.MAS ARTS I SANSK
----	---	-----------------------	------------	---	-----------	----	---

12	ANANDARAM DHEKIAL PHOOKAN COLLEGE NAGAON, ASSAM PIN-782002	GAUHATI UNIVERSITY	GOVERNMENT	DR. DIGANTA BARUAH EMAIL: DKBOROOWA@GMAIL.COM MOBILE NO: 9435190239	MA	32	1.BACH ARTS (C COURS 3.BACH COMPU APPLIC 4.BACH SCIENC (INFOR TECHN 6.MAST COMPU APPLIC 7.MAST SCIENC (INFOR TECHN 8.MAST SCIENC ECONC 9.MAST SCIENC MATHE 10.MAS ARTS I ASSAM 11.MAS ARTS I 13.MAS ARTS I ECONC 14.MAS ARTS I EDUCA 15.MAS ARTS I 16.MAS ARTS I 18.MAS ARTS I MATHE 20.MAS ARTS I PHILO 21.MAS ARTS I POLITI SCIENC
----	--	-----------------------	------------	---	----	----	---

13	SAPTAGRAM COLLEGE SAPTAGRAM, DHUBRI ASSAM PIN- 783337	GAUHATI UNIVERSITY	GOVERNMENT	MAHABUL HOQUE CHOUDHURY EMAIL: MAHABULHQ@GMAIL.COM MOBILE NO: 9864113224	MA	35	1.BACH ARTS ( COURSE 3.BACH COMPUTER APPLICATI 10.MAS ARTS I ASSAM 11.MAS ARTS I 12.MAS ARTS I 13.MAS ARTS I ECONOMICS 14.MAS ARTS I EDUCATION 15.MAS ARTS I 16.MAS ARTS I 18.MAS ARTS I MATHEMATICS 20.MAS ARTS I PHILOSOPHY 21.MAS ARTS I POLITICAL SCIENCES
14	BELTOLA COLLEGE BELTOLA, ASSAM, PIN-781028	GAUHATI UNIVERSITY	GOVERNMENT	AMAR DAS EMAIL : NA MOBILE NO. : 9085793963	MA	23	1.BACH ARTS ( COURSE 10.MAS ARTS I ASSAM 14.MAS ARTS I EDUCATION 15.MAS ARTS I 16.MAS ARTS I 20.MAS ARTS I PHILOSOPHY 21.MAS ARTS I POLITICAL SCIENCES
15	GAUHATI COMMERCE COLLEGE R.G BAROOAH ROAD, PIN-781021	GAUHATI UNIVERSITY	GOVERNMENT	DR. PURNA BHATTACHARYYA EMAIL : GCCGOLDEN@GMAIL.COM MOBILE NO. : 9864336737	M.COM, PH.D	8	2.BACH COMMERCE (GENERAL) COURSE 3.BACH COMPUTER APPLICATION 5.MAS COMMERCE

16	DUDHNOI COLLEGE DUDHNOI, PIN-783124, ASSAM	GAUHATI UNIVERSITY	GOVERNMENT	NABARAJ SARMA EMAIL : NA MOBILE NO. : 9859111435	M.SC	32	1.BACH ARTS ( COURSE 3.BACH COMPUTER APPLIC 4.BACH SCIENC (INFOR TECHN 8.MAST SCIENC ECONC 9.MAST SCIENC MATHE 10.MAS ARTS I ASSAM 12.MAS ARTS I 13.MAS ARTS I ECONC 14.MAS ARTS I EDUCA 15.MAS ARTS I 16.MAS ARTS I 18.MAS ARTS I MATHE 20.MAS ARTS I PHILOS 21.MAS ARTS I POLITI SCIENC
----	---	--------------------	------------	---	------	----	--

17	PRAMATHESH BARUAH COLLEGE GAURIPUR, DHUBRI ASSAM, PIN 783331	GAUHATI UNIVERSITY	GOVERNMENT	SHYAMAL CH. SARKAR EMAIL: SSARKAR15@YAHOO.COM MOBILE NO: 8638953528	MA	29	1.BACH ARTS (C COURS 10.MAS ARTS I ASSAM 11.MAS ARTS I 12.MAS ARTS I 13.MAS ARTS I ECONC 14.MAS ARTS I EDUCA 15.MAS ARTS I 16.MAS ARTS I 18.MAS ARTS I MATHE 21.MAS ARTS I POLITI SCIENC
----	--	-----------------------	------------	---	----	----	--

18	B.N. COLLEGE DHUBRI, ASSAM, PIN 783324	GAUHATI UNIVERSITY	GOVERNMENT	NOOR HUSSAIN EMAIL: HUSSAINN702@GMAIL.COM MOBILE NO: 9435129878	MA, MPHIL	45	1.BACH ARTS ( COURS 2.BACH COMM (GENE COURS 3.BACH COMPU APPLIC 4.BACH SCIENC (INFOR TECHN 5.MAST COMM 6.MAST COMPU APPLIC 7.MAST SCIENC (INFOR TECHN 8.MAST SCIENC ECONC 9.MAST SCIENC MATHE 10.MAS ARTS I ASSAM 11.MAS ARTS I 13.MAS ARTS I ECONC 14.MAS ARTS I EDUCA 15.MAS ARTS I 16.MAS ARTS I 18.MAS ARTS I MATHE 20.MAS ARTS I PHILO 21.MAS ARTS I POLITI SCIENC 22.MAS ARTS I SANSK
----	--	-----------------------	------------	---	-----------	----	---

19	NABAJYOTI COLLEGE KALGACHIA, P.O. KALGACHIA, BARPETA PIN- 781319	GAUHATI UNIVERSITY	GOVERNMENT	DR SHAHJAHAN ALI AHMED EMAIL: NABAJYOTICOLLEGE@GMAIL.COM MOBILE NO: 9435456617	MA, PH.D	26	1.BACH ARTS ( COURSE 10.MAS ARTS I ASSAM 13.MAS ARTS I ECONO 14.MAS ARTS I EDUCA 15.MAS ARTS I 16.MAS ARTS I 18.MAS ARTS I MATHE 20.MAS ARTS I PHILOSO 21.MAS ARTS I POLITIC SCIENC
20	GOSSAIGAON COLLEGE P.O GOSSAIGAON,DIST. KOKRAJHAR BTAD (ASSAM) PIN- 783360	GAUHATI UNIVERSITY	GOVERNMENT	MD.JOYNAL ABEDIN EMAIL : NA MOBILE NO. : 7002020354	MA	32	1.BACH ARTS ( COURSE 8.MAS SCIENC ECONO 9.MAS SCIENC MATHE 10.MAS ARTS I ASSAM 12.MAS ARTS I 13.MAS ARTS I ECONO 14.MAS ARTS I EDUCA 15.MAS ARTS I 16.MAS ARTS I 18.MAS ARTS I MATHE 20.MAS ARTS I PHILOSO 21.MAS ARTS I POLITIC SCIENC



21	ABHAYAPURI COLLEGE P.O. ABHAYAPURI, BONGAIGAON ASSAM PIN-783384	GAUHATI UNIVERSITY	GOVERNMENT	ATOWAR RAHMAN KHAN EMAIL: KHANATOWAR@GMAIL.COM MOBILE NO: 9707845245	MA	29	1.BACH ARTS (COURSE) 8.MAST SCIENC ECONC 9.MAST SCIENC MATHE 10.MAS ARTS I ASSAM 13.MAS ARTS I ECONC 14.MAS ARTS I EDUCA 15.MAS ARTS I 16.MAS ARTS I 18.MAS ARTS I MATHE 20.MAS ARTS I PHILOS
22	BARKHETRI COLLEGE P.O MUKALMUA DIST. NALBARI ASSAM PIN-781126	GAUHATI UNIVERSITY	GOVERNMENT	MD. MATIUR RAHMAN EMAIL: MATI.BCM@GMAIL.COM MOBILE NO: 9864414925	MA	32	1.BACH ARTS (COURSE) 8.MAST SCIENC ECONC 9.MAST SCIENC MATHE 10.MAS ARTS I ASSAM 13.MAS ARTS I ECONC 14.MAS ARTS I EDUCA 15.MAS ARTS I 16.MAS ARTS I 18.MAS ARTS I MATHE 20.MAS ARTS I PHILOS 21.MAS ARTS I POLITI SCIENC 22.MAS ARTS I SANSK

23	RANGAPARA COLLEGE RANGAPARA, DIST.- SONITPUR, ASSAM PIN.784505	GAUHATI UNIVERSITY	GOVERNMENT	MUNIN BAISHYA EMAIL: KNSGHY@GMAIL.COM MOBILE NO: 9435384933	MA	35	1.BACH ARTS ( COURSE 2.BACH COMM (GENE COURSE 5.MAS COMM 10.MAS ARTS I ASSAM 11.MAS ARTS I 12.MAS ARTS I 13.MAS ARTS I ECONC 14.MAS ARTS I EDUCA 15.MAS ARTS I 16.MAS ARTS I 18.MAS ARTS I MATHE 21.MAS ARTS I POLITI SCIENC
24	SONTALI ANCHALIK COLLEGE P.O. MAHTOLI, DIST.- KAMRUP (ASSAM) PIN-781136	GAUHATI UNIVERSITY	GOVERNMENT	DR.AZMAL HOQUE EMAIL: AZMALHOQUE187@GMAIL.COM MOBILE NO: 9854266415	MA, PH.D	23	1.BACH ARTS ( COURSE 10.MAS ARTS I ASSAM 13.MAS ARTS I ECONC 14.MAS ARTS I EDUCA 15.MAS ARTS I 16.MAS ARTS I 18.MAS ARTS I MATHE 21.MAS ARTS I POLITI SCIENC

25	BONGAIGAON COLLEGE P.O. BONGAIGAON, ASSAM, PIN 783380	GAUHATI UNIVERSITY	GOVERNMENT	DR. TARUN KR. BAHADUR EMAIL: TARUNKB1163@YAHOOO.CO.IN MOBILE NO: 9435324929	MA, PH.D	41	1.BACH ARTS ( COURSE 2.BACH COMM (GENE COURSE 5.MAS COMM 10.MAS ARTS I ASSAM 11.MAS ARTS I 12.MAS ARTS I 13.MAS ARTS I ECONC 14.MAS ARTS I EDUCA 15.MAS ARTS I 16.MAS ARTS I 17.MAS ARTS I COMM 18.MAS ARTS I MATHE 20.MAS ARTS I PHILO 21.MAS ARTS I POLITI SCIENC
----	---	--------------------	------------	---	----------	----	--

26	TEZPUR COLLEGE TEZPUR ASSAM PIN- 784001	GAUHATI UNIVERSITY	GOVERNMENT	DR. BASANTA KALITA EMAIL: KALITABASANTA3@GMAIL.COM MOBILE NO: 9435737738	MA, PH.D	38	1.BACH ARTS (COURSE) 2.BACH COMMUNICATION (GENERAL) COURSE 5.MAST COMMUNICATION 10.MAS ARTS I ASSAM 11.MAS ARTS I 12.MAS ARTS I 13.MAS ARTS I ECONOMICS 14.MAS ARTS I EDUCATION 15.MAS ARTS I 16.MAS ARTS I 19.MAS ARTS I 20.MAS ARTS I PHILOSOPHY 21.MAS ARTS I POLITICAL SCIENCE
27	NORTH KAMRUP COLLEGE P.O BAGHMARA BAZAR DIST. BARPETA(ASSAM) PIN-781328	GAUHATI UNIVERSITY	GOVERNMENT	HAREN DAS EMAIL: PRINCIPALNKC@GMAIL.COM MOBILE NO: 9957767199	MA	26	1.BACH ARTS (COURSE) 10.MAS ARTS I ASSAM 12.MAS ARTS I 13.MAS ARTS I ECONOMICS 14.MAS ARTS I EDUCATION 15.MAS ARTS I 16.MAS ARTS I 20.MAS ARTS I PHILOSOPHY 21.MAS ARTS I POLITICAL SCIENCE

28	SUREN DAS COLLEGE HAJO, KAMRUP, ASSAM PIN- 781001	GAUHATI UNIVERSITY	GOVERNMENT	BINAPANI TALUKDAR EMAIL: NA MOBILE NO: 9859019975	MA	29	1.BACH ARTS ( COURSE 10.MAS ARTS I ASSAM 13.MAS ARTS I ECONO 14.MAS ARTS I EDUCA 15.MAS ARTS I 16.MAS ARTS I 18.MAS ARTS I MATHE 20.MAS ARTS I PHILOSO 21.MAS ARTS I POLITIC SCIENC
29	CHILARAI COLLEGE GOLAKGANJ, DIST. DHUBRI ASSAM, PIN-783334	GAUHATI UNIVERSITY	GOVERNMENT	MRS. HEMALATA KAKATI EMAIL : HEMALATAKAKATI.DHUBRI@GMAIL.COM MOBILE NO. 9435327080	MA	29	1.BACH ARTS ( COURSE 10.MAS ARTS I ASSAM 11.MAS ARTS I 13.MAS ARTS I ECONO 14.MAS ARTS I EDUCA 15.MAS ARTS I 16.MAS ARTS I 20.MAS ARTS I PHILOSO 21.MAS ARTS I POLITIC SCIENC 22.MAS ARTS I SANSK

30	B.B. KISHAN COLLEGE JALAH, BARPETA, P.O. JALAHGHAT, DIST- BAKSA BTAD PIN- 781327	GAUHATI UNIVERSITY	GOVERNMENT	AJANTA CHOUDHURY EMAIL: AJANTABBKC@GMAIL.COM MOBILE NO: 9706282287	MA, MPHIL	29	1.BACH ARTS (C COURS 10.MAS ARTS I ASSAM 12.MAS ARTS I 13.MAS ARTS I ECONC 14.MAS ARTS I EDUCA 15.MAS ARTS I 16.MAS ARTS I 20.MAS ARTS I PHILO 21.MAS ARTS I POLITI SCIENC 22.MAS ARTS I SANSK
31	UTTAR KAMPITH COLLEGE JAGARA, PASCHIM NALBARI BLOCK NALBARI DISTRICT ASSAM- 781370	GAUHATI UNIVERSITY	GOVERNMENT	SANJOY SARMA EMAIL : SANJAYMAAN.NLB@GMAIL.COM MOBILE NO. : 9707550212	MA	32	1.BACH ARTS (C COURS 3.BACH COMPU APPLIC 10.MAS ARTS I ASSAM 13.MAS ARTS I ECONC 14.MAS ARTS I EDUCA 15.MAS ARTS I 16.MAS ARTS I 17.MAS ARTS I COMM 20.MAS ARTS I PHILO 21.MAS ARTS I POLITI SCIENC 22.MAS ARTS I SANSK

32	THAMNA ANCHALIK DEGREE COLLEGE P.O THAMNA, DIST. BAKSA, BTAD ASSAM PIN-781377	GAUHATI UNIVERSITY	NON PROVINCIALISED	LAHIT CH. MACHAHARY EMAIL : TADE.THAMNA@GMAIL.COM MOBILE NO. : 8761981928	MA	26	10.MAS ARTS I ASSAM 12.MAS ARTS I 13.MAS ARTS I ECONC 14.MAS ARTS I EDUCA 15.MAS ARTS I 16.MAS ARTS I 20.MAS ARTS I PHILO 22.MAS ARTS I SANSK
----	---	-----------------------	-----------------------	---	----	----	---



33	TIHU COLLEGE TIHU, DIST- NALBARI ASSAM PIN-781371	GAUHATI UNIVERSITY	GOVERNMENT	DR. DIGANTA DEKA EMAIL: D.DEKA@REDIFFMAIL.COM MOBILE NO: 9864475642	MA, PH.D	32	1.BACH ARTS ( ) COURS 2.BACH COMMI (GENE COURS 3.BACH COMPU APPLIC 4.BACH SCIENC (INFOR TECHN 5.MAST COMMI 7.MAST SCIENC (INFOR TECHN 8.MAST SCIENC ECONC 9.MAST SCIENC MATHE 10.MAS ARTS I ASSAM 13.MAS ARTS I ECONC 14.MAS ARTS I EDUCA 15.MAS ARTS I 16.MAS ARTS I 18.MAS ARTS I MATHE 20.MAS ARTS I PHILO 21.MAS ARTS I POLITI SCIENC 22.MAS ARTS I SANSK
----	--	-----------------------	------------	---	----------	----	--

34	KHARUPETIA COLLEGE DARRANG, ASSAM, PIN 784115	GAUHATI UNIVERSITY	GOVERNMENT	ABDUL KARIM EMAIL: AKARIM050@GMAIL.COM MOBILE NO: 9435185945	MA	30	1.BACH ARTS (C COURS 2.BACH COMM (GENE COURS 10.MAS ARTS I ASSAM 13.MAS ARTS I ECONC 14.MAS ARTS I EDUCA 15.MAS ARTS I 16.MAS ARTS I 18.MAS ARTS I MATHE 20.MAS ARTS I PHILO 21.MAS ARTS I POLITI SCIENC
----	--	-----------------------	------------	--	----	----	---

35	HAJI ANFAR ALI COLLEGE DABOKA, NAGAON, PIN- 782440	GAUHATI UNIVERSITY	GOVERNMENT	NAZRUL HUSSAIN EMAIL : NA MOBILE NO. : 9707039332	MA	23	1.BACH ARTS ( COURSE 2.BACH COMM (GENE COURSE 5.MAST COMM 8.MAST SCIENC ECONC 9.MAST SCIENC MATHE 10.MAS ARTS I ASSAM 13.MAS ARTS I ECONC 14.MAS ARTS I EDUCA 15.MAS ARTS I 16.MAS ARTS I 18.MAS ARTS I MATHE 21.MAS ARTS I POLITI SCIENC
36	FAKIRAGRAM COLLEGE P.O FAKIRAGRAM,DIST. KOKRAJHAR BTAD (ASSAM), PIN 783370	GAUHATI UNIVERSITY	GOVERNMENT	DR. RANJIT KUMAR DAS EMAIL : RANJITKRDAS907@GMAIL.COM MOBILE NO. : 9435847429	MA, PH.D	20	1.BACH ARTS ( COURSE 10.MAS ARTS I ASSAM 13.MAS ARTS I ECONC 14.MAS ARTS I EDUCA 15.MAS ARTS I 16.MAS ARTS I 21.MAS ARTS I POLITI SCIENC

37	DHING COLLEGE P.O.-DHING, NAGAON PIN- 782123, ASSAM	GAUHATI UNIVERSITY	GOVERNMENT	ROBIN SARMA BARUAH EMAIL : DHINGCOLLEGE@GMAIL.COM MOBILE NO. : 9435068591	MA	20	1.BACH ARTS (C COURS 8.MAST SCIENC ECONC 9.MAST SCIENC MATHE 10.MAS ARTS I ASSAM 13.MAS ARTS I ECONC 14.MAS ARTS I EDUCA 15.MAS ARTS I 18.MAS ARTS I MATHE 20.MAS ARTS I PHILO
38	BILASIPARA COLLEGE P.O BILASIPARA DIST. DHUBRI ASSAM PIN-783348	GAUHATI UNIVERSITY	GOVERNMENT	DR. MANORANJAN ROY EMAIL: BILASIPARACOLLEGE1960@GMAIL.COM MOBILE NO: 9859109402	MA, PH.D	29	1.BACH ARTS (C COURS 8.MAST SCIENC ECONC 9.MAST SCIENC MATHE 10.MAS ARTS I ASSAM 11.MAS ARTS I 13.MAS ARTS I ECONC 14.MAS ARTS I EDUCA 15.MAS ARTS I 16.MAS ARTS I 18.MAS ARTS I MATHE 20.MAS ARTS I PHILO 21.MAS ARTS I POLITI SCIENC

39	PASCHIM BARIGOG ANCHALIK MAHAVIDYALAYA P.O BARANGHATI PIN-781350	GAUHATI UNIVERSITY	GOVERNMENT	MANAB CH. DAS EMAIL: NA MOBILE NO: 9954611461	MA	26	1.BACH ARTS ( COURSE 10.MAS ARTS I ASSAM 13.MAS ARTS I ECONO 14.MAS ARTS I EDUCA 15.MAS ARTS I 16.MAS ARTS I 20.MAS ARTS I PHILOS 21.MAS ARTS I POLITI SCIENC 22.MAS ARTS I SANSK
40	UDALGURI COLLEGE UDALGURI, BTAD ASSAM PIN-784509	GAUHATI UNIVERSITY	GOVERNMENT	DR. RAJENDRA KR. BASUMATARY EMAIL : RAJENDRAKUMARBASUMATARY@GMAIL.COM MOBILE NO. : 9954633056	MA, PH.D	29	1.BACH ARTS ( COURSE 10.MAS ARTS I ASSAM 12.MAS ARTS I 13.MAS ARTS I ECONO 14.MAS ARTS I EDUCA 15.MAS ARTS I 16.MAS ARTS I 18.MAS ARTS I MATHE 20.MAS ARTS I PHILOS 21.MAS ARTS I POLITI SCIENC

41	CHARAIBAHICOLLEGE P.O CHARAIBAHICOLLEGE P.O MORIGAON ASSAM PIN-782106	GAUHATI UNIVERSITY	GOVERNMENT	DEEPAK KR.DAS EMAIL : CHARAIBAHICOLLEGE@GMAIL.COM MOBILE NO. 9854503990	MA	20	1.BACH ARTS (C COURS 10.MAS ARTS I ASSAM 13.MAS ARTS I ECONC 14.MAS ARTS I EDUCA 15.MAS ARTS I 16.MAS ARTS I 21.MAS ARTS I POLITI SCIENC
----	--	-----------------------	------------	---	----	----	---

42	GOALPARA COLLEGE GOALPARA ASSAM, PIN 783101	GAUHATI UNIVERSITY	GOVERNMENT	DR. SOMESESWAR RAO EMAIL : SOMESWARGLP@YAHOO.CO.IN MOBILE NO. : 9435313290	M.SC, PH.D	32	1.BACH ARTS ( COURSE 2.BACH COMMI (GENE COURSE 3.BACH COMPU APPLIC 4.BACH SCIENC (INFOR TECHN 5.MAST COMMI 8.MAST SCIENC ECONC 9.MAST SCIENC MATHE 10.MAS ARTS I ASSAM 13.MAS ARTS I ECONC 14.MAS ARTS I EDUCA 15.MAS ARTS I 16.MAS ARTS I 18.MAS ARTS I MATHE 20.MAS ARTS I PHILO 21.MAS ARTS I POLITI SCIENC
43	RANGIA T.T. COLLEGE RANGIA, KAMRUP ASSAM, PIN-781354	GAUHATI UNIVERSITY	PRIVATE	SAMSUL HOQUE EMAIL: SAMSULHQ@LIVE.COM MOBILE NO: 9854526879	MA	5	14.MAS ARTS I EDUCA

44	BIJNI COLLEGE COLLEGE ROAD, BIJNI ASSAM 783390	GAUHATI UNIVERSITY	GOVERNMENT	BIBHA TALUKDAR EMAIL: BIBHATALUKDAR@GMAIL.COM MOBILE NO: 8399087405	MA	35	1.BACH ARTS (COURSE) 8.MAS SCIENC ECONC 9.MAS SCIENC MATHE 10.MAS ARTS I ASSAM 11.MAS ARTS I 12.MAS ARTS I 13.MAS ARTS I ECONC 14.MAS ARTS I EDUCA 15.MAS ARTS I 16.MAS ARTS I 18.MAS ARTS I MATHE 20.MAS ARTS I PHILO 21.MAS ARTS I POLITI SCIENC
45	KALABARI COLLEGE KALABARI, SONITPUR ASSAM PIN-784178	GAUHATI UNIVERSITY	GOVERNMENT	BIMAN HAZARIKA EMAIL: BIMANHAZARIKA178@GMAIL.COM MOBILE NO: 9854451330	MA	20	1.BACH ARTS (COURSE) 10.MAS ARTS I ASSAM 13.MAS ARTS I ECONC 14.MAS ARTS I EDUCA 15.MAS ARTS I 16.MAS ARTS I 21.MAS ARTS I POLITI SCIENC



46	PUTHIMARI COLLEGE P.O SONESWAR ,DIST.- KAMRUP (ASSAM) PIN-PIN- 781382	GAUHATI UNIVERSITY	GOVERNMENT	KARTIK SARMA EMAIL: KARTIKSARMA123@GMAIL.COM MOBILE NO: 9401370145	MA	20	1.BACH ARTS ( COURSE 10.MAS ARTS I ASSAM 13.MAS ARTS I ECONO 14.MAS ARTS I EDUCA 15.MAS ARTS I 20.MAS ARTS I PHILO 21.MAS ARTS I POLITI SCIENC
47	BODOFA U.N. BRAHMA COLLEGE DOTMA P.O. DOTMA, DIST- KOKRAJHAR B.T.C. (ASSAM), PIN- 783347	GAUHATI UNIVERSITY	GOVERNMENT	MUKUT CH. KALITA EMAIL : NA MOBILE NO. : 9401474087	MA, B.ED	35	1.BACH ARTS ( COURSE 2.BACH COMMI (GENE COURSE 5.MAS COMMI 10.MAS ARTS I ASSAM 12.MAS ARTS I 13.MAS ARTS I ECONO 14.MAS ARTS I EDUCA 15.MAS ARTS I 16.MAS ARTS I 18.MAS ARTS I MATHE 20.MAS ARTS I PHILO 21.MAS ARTS I POLITI SCIENC

48	RUPAHI COLLEGE NAGAON, ASSAM, PIN- 782125	GAUHATI UNIVERSITY	GOVERNMENT	BHUBANANANDA PATTANAIK EMAIL: BNPATTANAIK2011@GMAIL.COM MOBILE NO: 9435186531	MA	23	1.BACH ARTS (COURSE) 10.MAS ARTS I ASSAM 13.MAS ARTS I ECONO 14.MAS ARTS I EDUCA 15.MAS ARTS I 16.MAS ARTS I 20.MAS ARTS I PHILO 21.MAS ARTS I POLITI SCIENC
49	LAKHIPUR COLLEGE LAKHIPUR, ASSAM 783129	GAUHATI UNIVERSITY	GOVERNMENT	ABDUS SAMAD SK EMAIL: ABDUSSAMADSK1962@GMAIL.COM MOBILE NO: 9435511961	MA	20	1.BACH ARTS (COURSE) 10.MAS ARTS I ASSAM 13.MAS ARTS I ECONO 14.MAS ARTS I EDUCA 15.MAS ARTS I 16.MAS ARTS I 21.MAS ARTS I POLITI SCIENC
50	JAWAHARLAL NEHRU COLLEGE BOKO KAMRUP ASSAM, PIN 781123	GAUHATI UNIVERSITY	GOVERNMENT	DHIRAJ KR. DAS EMAIL : NA MOBILE NO. : 9435044756	MA	10	1.BACH ARTS (COURSE) 10.MAS ARTS I ASSAM 15.MAS ARTS I 16.MAS ARTS I 21.MAS ARTS I POLITI SCIENC

51	KALAGURU BISHNU RABHA DEGREE COLLEGE ORANG,UDALGURI PIN-784114	GAUHATI UNIVERSITY	GOVERNMENT	HOMEN BARUAH EMAIL: HOMENBARUAH@GMAIL.COM MOBILE NO: 9613995869	MA	32	1.BACH ARTS (COURSE) 10.MAS ARTS I ASSAM 11.MAS ARTS I 12.MAS ARTS I 13.MAS ARTS I ECONOMICS 14.MAS ARTS I EDUCATION 15.MAS ARTS I 16.MAS ARTS I 19.MAS ARTS I 20.MAS ARTS I PHILOSOPHY 21.MAS ARTS I POLITICAL SCIENCE
52	GIRL'S COLLEGE KOKRAJHAR P.O & DIST.-KOKRAJHAR, BTAD ASSAM, PIN- 783370	GAUHATI UNIVERSITY	GOVERNMENT	AZIZUR RAHMAN EMAIL : NA MOBILE NO. : 9401232071	MA	23	1.BACH ARTS (COURSE) 10.MAS ARTS I ASSAM 13.MAS ARTS I ECONOMICS 14.MAS ARTS I EDUCATION 15.MAS ARTS I 16.MAS ARTS I 20.MAS ARTS I PHILOSOPHY 21.MAS ARTS I POLITICAL SCIENCE

53	CHATIA COLLEGE P.O SOOTEA, SONITPUR PIN- 784175	GAUHATI UNIVERSITY	GOVERNMENT	HARESH REGON EMAIL : HARESH.REGON@GMAIL.COM MOBILE NO. : 8011940088	MA	20	1.BACH ARTS (C COURS 10.MAS ARTS I ASSAM 13.MAS ARTS I ECONC 14.MAS ARTS I EDUCA 15.MAS ARTS I 16.MAS ARTS I 21.MAS ARTS I POLITI SCIENC
54	BARNAGAR COLLEGE SORBHOG, BARPETA ASSAM, PIN 781317	GAUHATI UNIVERSITY	GOVERNMENT	REZAUL KARIM AHMED EMAIL : REZAUL.BPRD@GMAIL.COM MOBILE NO. : 9678183324	MA, MPHIL	29	1.BACH ARTS (C COURS 2.BACH COMM (GENE COURS 5.MAS COMM 10.MAS ARTS I ASSAM 13.MAS ARTS I ECONC 14.MAS ARTS I EDUCA 15.MAS ARTS I 16.MAS ARTS I 20.MAS ARTS I PHILO 21.MAS ARTS I POLITI SCIENC

55	SALBARI COLLEGE BAKSA, P.O. SALBARI, BAKSA, BTC ASSAM, PIN 781318	GAUHATI UNIVERSITY	GOVERNMENT	HIREN BARO EMAIL: HIRENBARO@REDIFFMAIL.COM MOBILE NO: 9678035129	MA	26	1.BACH ARTS (COURSE) 10.MAS ARTS I ASSAM 12.MAS ARTS I 13.MAS ARTS I ECONOMICS 14.MAS ARTS I EDUCATION 15.MAS ARTS I 16.MAS ARTS I 20.MAS ARTS I PHILOSOPHY 21.MAS ARTS I POLITICAL SCIENCE
56	DEOMORNOI DEGREE COLLEGE P.O. DEOMORNOI, DARRANG ASSAM, PIN- 784147	GAUHATI UNIVERSITY	GOVERNMENT	DR. FAJLUL KARIM EMAIL : KARIMFAJLUL@GMAIL.COM MOBILE NO. : 9854938055	MA, PH.D	20	1.BACH ARTS (COURSE) 10.MAS ARTS I ASSAM 13.MAS ARTS I ECONOMICS 14.MAS ARTS I EDUCATION 15.MAS ARTS I 16.MAS ARTS I 21.MAS ARTS I POLITICAL SCIENCE
57	BARPETA B.T. COLLEGE P.O & DIST :BARPETA ASSAM, PIN-781301	GAUHATI UNIVERSITY	NON PROVINCIALISED	HELMINA KHATUN EMAIL : HELMINA216@GMAIL.COM MOBILE NO. : 9957925178	MA	5	14.MAS ARTS I EDUCATION

58	WEST GOALPARA COLLEGE P.O BALARBITA DIST. GOALPARA PIN-783129	GAUHATI UNIVERSITY	GOVERNMENT	HAFIZUR RAHMAN KHAN EMAIL : NA MOBILE NO. 9435024076	MA	26	1.BACH ARTS ( COURSE 10.MAS ARTS I ASSAM 13.MAS ARTS I ECONO 14.MAS ARTS I EDUCA 15.MAS ARTS I 16.MAS ARTS I 18.MAS ARTS I MATHE 20.MAS ARTS I PHILOSO 21.MAS ARTS I POLITIC SCIENC
59	G.L.CHOUDHURY COLLEGE BARPETA RD., P.O- BARPETA ROAD ASSAM, PIN-781315	GAUHATI UNIVERSITY	GOVERNMENT	MIRAN HUSSAIN CHOUDHURY EMAIL : PRINCI84@BSNL.IN MOBILE NO. : 9854936649	MA	29	1.BACH ARTS ( COURSE 10.MAS ARTS I ASSAM 11.MAS ARTS I 12.MAS ARTS I 13.MAS ARTS I ECONO 14.MAS ARTS I EDUCA 15.MAS ARTS I 16.MAS ARTS I 20.MAS ARTS I PHILOSO 21.MAS ARTS I POLITIC SCIENC

60	BARAMA COLLEGE P.O BARAMA PIN- 781346	GAUHATI UNIVERSITY	GOVERNMENT	SANJAY BARO EMAIL: SANJAYPHILO77@GMAIL.COM MOBILE NO: 9854318800	MA	35	1.BACH ARTS ( COURSE 3.BACH COMPUTER APPLIC 4.BACH SCIENC (INFOR TECHN 8.MAST SCIENC ECONC 9.MAST SCIENC MATHE 10.MAS ARTS I ASSAM 12.MAS ARTS I 13.MAS ARTS I ECONC 14.MAS ARTS I EDUCA 15.MAS ARTS I 16.MAS ARTS I 18.MAS ARTS I MATHE 20.MAS ARTS I PHILOS 21.MAS ARTS I POLITI SCIENC
----	---	-----------------------	------------	--	----	----	--

61	NALBARI COLLEGE P.O. NALBARI ASSAM, PIN -781335	GAUHATI UNIVERSITY	GOVERNMENT	DR.RUPAM SARMAH EMAIL: RSARMA001@YAHOO.CO.IN MOBILE NO: 9435492089	MA, PH.D	31	1.BACH ARTS (C COURS 3.BACH COMPU APPLIC 4.BACH SCIENC (INFOR TECHN 10.MAS ARTS I ASSAM 13.MAS ARTS I ECONC 15.MAS ARTS I 16.MAS ARTS I 18.MAS ARTS I MATHE 20.MAS ARTS I PHILO 21.MAS ARTS I POLITI SCIENC 22.MAS ARTS I SANSK
----	--	-----------------------	------------	--	----------	----	---



62	NOWGONG COLLEGE NAGAON, ASSAM, PIN-782001	GAUHATI UNIVERSITY	GOVERNMENT	SAILEN SARMAH EMAIL: SARMA_SAILEN2011@REDIFFMAIL.COM MOBILE NO: 970602463	M.COM	37	1.BACH ARTS ( COURSE 2.BACH COMMI (GENE COURSE 3.BACH COMPU APPLIC 4.BACH SCIENC (INFOR TECHN 5.MAST COMMI 8.MAST SCIENC ECONC 9.MAST SCIENC MATHE 10.MAS ARTS I ASSAM 11.MAS ARTS I 13.MAS ARTS I ECONC 14.MAS ARTS I EDUCA 15.MAS ARTS I 16.MAS ARTS I 18.MAS ARTS I MATHE 20.MAS ARTS I PHILO 21.MAS ARTS I POLITI SCIENC 22.MAS ARTS I SANSK
----	---	--------------------	------------	---	-------	----	--

63	RAHA COLLEGE P.O. RAHA, NAGAON ASSAM PIN-782103	GAUHATI UNIVERSITY	GOVERNMENT	MRIDUL KR. SARMA EMAIL: SMRIDULKR@GMAIL.COM MOBILE NO: 9859416685	MA	23	1.BACH ARTS (C COURSE 10.MAS ARTS I ASSAM 13.MAS ARTS I ECONO 14.MAS ARTS I EDUCA 15.MAS ARTS I 16.MAS ARTS I 21.MAS ARTS I POLITI SCIENC 22.MAS ARTS I SANSK
----	--	-----------------------	------------	---	----	----	---

64	M.C. COLLEGE BARPETA, ASSAM, PIN 781301	GAUHATI UNIVERSITY	GOVERNMENT	HARIHAR DEKA EMAIL: HARIHARDEKA67@GMAIL.COM MOBILE NO: 9864960073	MA	31	1.BACH ARTS (C COURS 3.BACH COMPU APPLIC 4.BACH SCIENC (INFOR TECHN 6.MAST COMPU APPLIC 7.MAST SCIENC (INFOR TECHN 8.MAST SCIENC ECONC 9.MAST SCIENC MATHE 10.MAS ARTS I ASSAM 13.MAS ARTS I ECONC 14.MAS ARTS I EDUCA 15.MAS ARTS I 16.MAS ARTS I 18.MAS ARTS I MATHE 20.MAS ARTS I PHILO 21.MAS ARTS I POLITI SCIENC
----	---	-----------------------	------------	---	----	----	---

65	BAJALI COLLEGE P.O. PATHSALA, BARPETA ASSAM, PIN 781325	GAUHATI UNIVERSITY	GOVERNMENT	MANOJ DAS EMAIL: PATGIRIDEBAJIT1@GMAIL.COM MOBILE: 9435320532	MA	37	1.BACH ARTS (C COURS 2.BACH COMM (GENE COURS 5.MAST COMM 8.MAST SCIENC ECONC 9.MAST SCIENC MATHE 10.MAS ARTS I ASSAM 13.MAS ARTS I ECONC 14.MAS ARTS I EDUCA 15.MAS ARTS I 16.MAS ARTS I 17.MAS ARTS I COMM 18.MAS ARTS I MATHE 20.MAS ARTS I PHILO 21.MAS ARTS I POLITI SCIENC 22.MAS ARTS I SANSK
66	DR. BIRINCHI KR. BOROOAH COLLEGE P.O. PURANIGUDAM, NAGAON ASSAM, PIN 782141	GAUHATI UNIVERSITY	GOVERNMENT	DR. ABINASH BHARALI EMAIL : MRINALI_GAYAN@REDIFFMAIL.COM MOBILE NO. : 8876415278	MA, PH.D	20	1.BACH ARTS (C COURS 10.MAS ARTS I ASSAM 13.MAS ARTS I ECONC 14.MAS ARTS I EDUCA 15.MAS ARTS I 16.MAS ARTS I 21.MAS ARTS I POLITI SCIENC

67	MNC BALIKA MAHAVIDYALAYA NALBARI, ASSAM PIN 781335	GAUHATI UNIVERSITY	GOVERNMENT	PADMESWAR KALITA EMAIL: PADMESWARK1@GMAIL.COM MOBILE NO: 9864147089	MA, LLB	35	1.BACH ARTS ( COURSE 3.BACH COMPU APPLIC 7.MAST SCIENC (INFOR TECHN 10.MAS ARTS I ASSAM 13.MAS ARTS I ECONC 14.MAS ARTS I EDUCA 15.MAS ARTS I 16.MAS ARTS I 20.MAS ARTS I PHILO 21.MAS ARTS I POLITI SCIENC 22.MAS ARTS I SANSK
68	BEHALI DEGREE COLLEGE BEHALI,P.O BORGANG, PIN- 784167 DIST. SONITPUR, ASSAM	GAUHATI UNIVERSITY	GOVERNMENT	ROBIN GOSWAMI EMAIL : IDOLBEHALIDEGREECOLLEGE@GMAIL.COM MOBILE NO. : 9435982031	MA	29	1.BACH ARTS ( COURSE 10.MAS ARTS I ASSAM 13.MAS ARTS I ECONC 14.MAS ARTS I EDUCA 15.MAS ARTS I 16.MAS ARTS I 19.MAS ARTS I 20.MAS ARTS I PHILO 21.MAS ARTS I POLITI SCIENC 22.MAS ARTS I SANSK

69	N.H. COLLEGE PATACHARKUCHI, BARPETA ASSAM, PIN 781326	GAUHATI UNIVERSITY	GOVERNMENT	RAJEN CH. DAS EMAIL: SMILERAJEN@GMAIL.COM MOBILE NO: 9864723526	MA	26	1.BACH ARTS (C COURS 10.MAS ARTS I ASSAM 13.MAS ARTS I ECONC 14.MAS ARTS I EDUCA 15.MAS ARTS I 16.MAS ARTS I 20.MAS ARTS I PHILOS 21.MAS ARTS I POLITI SCIENC 22.MAS ARTS I SANSK
70	BHABANIPUR ANCHALIK COLLEGE BARPETA, ASSAM, PIN-781352	GAUHATI UNIVERSITY	GOVERNMENT	SAMIRAN SARMA EMAIL : SAMIRAN.BAC@GMAIL.COM MOBILE NO. : 9854475615	MA, MPHIL, PH.D	23	1.BACH ARTS (C COURS 10.MAS ARTS I ASSAM 13.MAS ARTS I ECONC 14.MAS ARTS I EDUCA 15.MAS ARTS I 16.MAS ARTS I 20.MAS ARTS I PHILOS 21.MAS ARTS I POLITI SCIENC

71	B.P. CHALIHA COLLEGE NAGARBERA, P.O. NAGARBERA, DIST- KAMRUP, PIN- 781127	GAUHATI UNIVERSITY	GOVERNMENT	ARUN KR. SARKAR EMAIL : NIJAMC@REDIFFMAIL.COM MOBILE NO. : 9859931124	MA, MPHIL, B.ED	26	1.BACH ARTS (C COURS 10.MAS ARTS I ASSAM 13.MAS ARTS I ECONC 14.MAS ARTS I EDUCA 15.MAS ARTS I 16.MAS ARTS I 18.MAS ARTS I MATHE
72	MOIRABARI COLLEGE P.O.MOIRABARI, MORIGAON ASSAM, PIN 782126	GAUHATI UNIVERSITY	GOVERNMENT	ABDUL MANNAN EMAIL: NA MOBILE NO: 9707732266	MA	20	1.BACH ARTS (C COURS 10.MAS ARTS I ASSAM 13.MAS ARTS I ECONC 14.MAS ARTS I EDUCA 15.MAS ARTS I 16.MAS ARTS I 21.MAS ARTS I POLITI SCIENC
73	T.H.B. COLLEGE JAMUGURIHAT, P.O. KARCHANTOLA SONITPUR, ASSAM, PIN 784189	GAUHATI UNIVERSITY	GOVERNMENT	DR. DINESH CHANDRADAS EMAIL: DINESHCHDAS13@GMAIL.COM MOBILE NO. : 8876267214	MA, PH.D	26	1.BACH ARTS (C COURS 10.MAS ARTS I ASSAM 13.MAS ARTS I ECONC 14.MAS ARTS I EDUCA 15.MAS ARTS I 16.MAS ARTS I 18.MAS ARTS I MATHE 19.MAS ARTS I 21.MAS ARTS I POLITI SCIENC

74	TANGLA COLLEGE TANGLA, DIST.UDALGURI, BTAD ASSAM, PIN- 784521	GAUHATI UNIVERSITY	GOVERNMENT	MINTU PATHAK EMAIL : MINTUPATHAK04@GMAIL.COM MOBILE NO. : 9577838080	MA, MPHIL	38	1.BACH ARTS (C COURS 2.BACH COMM (GENE COURS 3.BACH COMPU APPLIC 5.MAST COMM 10.MAS ARTS I ASSAM 11.MAS ARTS I 12.MAS ARTS I 13.MAS ARTS I ECONC 14.MAS ARTS I EDUCA 15.MAS ARTS I 16.MAS ARTS I 18.MAS ARTS I MATHE 21.MAS ARTS I POLITI SCIENC
----	---	-----------------------	------------	--	-----------	----	---



75	HOJAI COLLEGE HOJAI, ASSAM, PIN 782435	GAUHATI UNIVERSITY	GOVERNMENT	SUJIT RANJAN ACHARJEE EMAIL : DRACHARJEE@GMAIL.COM MOBILE NO. : 9435069311	MA	35	1.BACH ARTS (C COURS 2.BACH COMM (GENE COURS 5.MAST COMM 8.MAST SCIENC ECONC 9.MAST SCIENC MATHE 10.MAS ARTS I ASSAM 11.MAS ARTS I 13.MAS ARTS I ECONC 14.MAS ARTS I EDUCA 15.MAS ARTS I 16.MAS ARTS I 18.MAS ARTS I MATHE 20.MAS ARTS I PHILO 21.MAS ARTS I POLITI SCIENC
76	MANKACHAR COLLEGE P.O MANKACHAR, DIST.-DHUBRI (ASSAM) PIN- 783131	GAUHATI UNIVERSITY	GOVERNMENT	MUKTAZUR RAHMAN KAZI EMAIL: MRKAZI78@GMAIL.COM MOBILE NO: 9435642964	MA	23	1.BACH ARTS (C COURS 10.MAS ARTS I ASSAM 13.MAS ARTS I ECONC 14.MAS ARTS I EDUCA 15.MAS ARTS I 16.MAS ARTS I 18.MAS ARTS I MATHE 21.MAS ARTS I POLITI SCIENC

77	RATNAPITH COLLEGE CHAPAR, BAHALPUR, DHUBRI ASSAM PIN-783371	GAUHATI UNIVERSITY	GOVERNMENT	WASHIM ARIF EMAIL: ARIFK3163@GMAIL.COM MOBILE NO: 9577177103	MA, MPHIL	23	1.BACH ARTS ( COURSE 10.MAS ARTS I ASSAM 13.MAS ARTS I ECONC 14.MAS ARTS I EDUCA 15.MAS ARTS I 16.MAS ARTS I 20.MAS ARTS I PHILOS 21.MAS ARTS I POLITI SCIENC
78	PASCHIM GUWAHATI MAHAVIDYALAYA DHARAPUR, GUWAHATI, KAMRUP ASSAM, PIN 781133	GAUHATI UNIVERSITY	GOVERNMENT	DR. NRIPENDRA NATH MEDHI EMAIL: NA MOBILE NO: 9954875101	MA, PH.D	26	1.BACH ARTS ( COURSE 2.BACH COMMI (GENE COURSE 5.MAS COMMI 10.MAS ARTS I ASSAM 13.MAS ARTS I ECONC 14.MAS ARTS I EDUCA 15.MAS ARTS I 16.MAS ARTS I 20.MAS ARTS I PHILOS 21.MAS ARTS I POLITI SCIENC

79	BIKALI COLLEGE DHUPDHARA, GOALPARA ASSAM, PIN 783123	GAUHATI UNIVERSITY	GOVERNMENT	DR. ANANYA BARUAH EMAIL : KALITADEEP99@GMAIL.COM MOBILE NO. 99549-75819	MA, PH.D	26	1.BACH ARTS (C COURS 10.MAS ARTS I ASSAM 12.MAS ARTS I 13.MAS ARTS I ECONC 14.MAS ARTS I EDUCA 15.MAS ARTS I 16.MAS ARTS I 18.MAS ARTS I MATHE 21.MAS ARTS I POLITI SCIENC
80	DOLGOMA ANCHALIK COLLEGE P.O- MATIA, DIST.- GOALPARA ASSAM, PIN-783125	GAUHATI UNIVERSITY	GOVERNMENT	HEMANTA KUMAR SARMA EMAIL : GANGESH4EVER@GMAIL.COM MOBILE NO. : 9859036513	MA	20	1.BACH ARTS (C COURS 10.MAS ARTS I ASSAM 13.MAS ARTS I ECONC 14.MAS ARTS I EDUCA 15.MAS ARTS I 16.MAS ARTS I 21.MAS ARTS I POLITI SCIENC

81	BISWANATH COLLEGE BISWANATH CHARIALI, SONITPUR ASSAM, PIN 784176	GAUHATI UNIVERSITY	GOVERNMENT	DR. DILIP BORAH EMAIL : IDOL.BNCSTUDYCENTRE2GMAIL.COM MOBILE NO. : 9435814994	MA, PH.D	32	1.BACH ARTS ( COURSE 8.MAST SCIENC ECONC 9.MAST SCIENC MATHE 10.MAS ARTS I ASSAM 13.MAS ARTS I ECONC 14.MAS ARTS I EDUCA 15.MAS ARTS I 16.MAS ARTS I 18.MAS ARTS I MATHE 19.MAS ARTS I 20.MAS ARTS I PHILO 21.MAS ARTS I POLITI SCIENC
82	KARMASREE HITESWAR SAIKIA COLLEGE PANJABARI RD, PANJABARI, GUWAHATI ASSAM 781037	GAUHATI UNIVERSITY	GOVERNMENT	DR MOUSUMI BORDOLI HAZARIKA EMAIL: KHSCOLLEGE@YAHOO.COM MOBILE NO: 9854020026	MA, PH.D	26	1.BACH ARTS ( COURSE 2.BACH COMM (GENE COURSE 5.MAST COMM 10.MAS ARTS I ASSAM 13.MAS ARTS I ECONC 14.MAS ARTS I EDUCA 15.MAS ARTS I 16.MAS ARTS I 20.MAS ARTS I PHILO 21.MAS ARTS I POLITI SCIENC

83	DHAMDHAMA ANCHALIK COLLEGE P.O. NIZ DHAMDHAMA, NALBARI ASSAM, PIN-781349	GAUHATI UNIVERSITY	NON PROVINCIALISED	NAVAJIT SARMA EMAIL : NAVASARMA2012@GMAIL.COM MOBILE NO. : 9864937879	MA	23	1.BACH ARTS ( COURSE 10.MAS ARTS I ASSAM 12.MAS ARTS I 13.MAS ARTS I ECONO 14.MAS ARTS I EDUCA 15.MAS ARTS I 20.MAS ARTS I PHILO 21.MAS ARTS I POLITI SCIENC
84	D.K. GIRLS' COLLEGE MIRZA-781125, KAMRUP, ASSAM	GAUHATI UNIVERSITY	GOVERNMENT	DR. NARAKANTA ADHIKARY EMAIL : NARAKANTAADHIKARY67@GMAIL.COM MOBILE NO. 9435342914	MA, PH.D	23	1.BACH ARTS ( COURSE 10.MAS ARTS I ASSAM 13.MAS ARTS I ECONO 14.MAS ARTS I EDUCA 15.MAS ARTS I 16.MAS ARTS I 17.MAS ARTS I COMM 20.MAS ARTS I PHILO

85	KALIABOR COLLEGE P.O. KUWARITOL, NAGAON, ASSAM, PIN- 782137	GAUHATI UNIVERSITY	GOVERNMENT	HARA KANTA NATH EMAIL: IDOLKCHKN@GMAIL.COM MOBILE NO: 9435479483	MA	31	1.BACH ARTS (C COURS 2.BACH COMMI (GENE COURS 3.BACH COMPU APPLIC 4.BACH SCIENC (INFOR TECHN 5.MAST COMMI 8.MAST SCIENC ECONC 9.MAST SCIENC MATHE 10.MAS ARTS I ASSAM 11.MAS ARTS I 13.MAS ARTS I ECONC 14.MAS ARTS I EDUCA 15.MAS ARTS I 16.MAS ARTS I 18.MAS ARTS I MATHE 21.MAS ARTS I POLITI SCIENC
86	NAGAON GNDG COMMERCE COLLEGE PANIGAON, NAGAON, ASSAM, PIN 782001	GAUHATI UNIVERSITY	GOVERNMENT	PRADIP BORAH EMAIL: PRADIPKRBORA10@GMAIL.COM MOBILE NO: 7002518933	M.COM	5	2.BACH COMMI (GENE COURS 5.MAST COMMI

87	LUMDING COLLEGE NAGAON, ASSAM PIN -782447	GAUHATI UNIVERSITY	GOVERNMENT	ANJAN DEY EMAIL: ANJAN_LMG@REDIFFMAIL.COM MOBILE NO: 8876287963	MA	26	1.BACH ARTS ( COURSE 2.BACH COMM (GENE COURSE 5.MAS COMM 10.MAS ARTS I ASSAM 11.MAS ARTS I 13.MAS ARTS I ECONC 14.MAS ARTS I EDUCA 15.MAS ARTS I 16.MAS ARTS I 21.MAS ARTS I POLITI SCIENC
88	MURAZAR COLLEGE P.O MURAZAR DIST. NAGAON ASSAM, PIN.782439	GAUHATI UNIVERSITY	GOVERNMENT	SAYED AHMED ALI EMAIL: SAYED.AHMED42@GMAIL.COM MOBILE NO: 9577774252	MA	20	1.BACH ARTS ( COURSE 10.MAS ARTS I ASSAM 13.MAS ARTS I ECONC 14.MAS ARTS I EDUCA 15.MAS ARTS I 16.MAS ARTS I 21.MAS ARTS I POLITI SCIENC

89	JAGIROAD COLLEGE JAGIROAD, PIN-782410	GAUHATI UNIVERSITY	GOVERNMENT	DR. RUDRA KR. DAS EMAIL : DAS1.RUDRA@GMAIL.COM MOBILE NO. : 9435319469	MA, PH.D	35	1.BACH ARTS ( COURSE 2.BACH COMMI (GENE COURSE 3.BACH COMPU APPLIC 4.BACH SCIENC (INFOR TECHN 5.MAST COMMI 8.MAST SCIENC ECONC 9.MAST SCIENC MATHE 10.MAS ARTS I ASSAM 11.MAS ARTS I 12.MAS ARTS I 13.MAS ARTS I ECONC 14.MAS ARTS I EDUCA 15.MAS ARTS I 16.MAS ARTS I 18.MAS ARTS I MATHE 21.MAS ARTS I POLITI SCIENC
----	--	--------------------	------------	--	----------	----	--



90	BARBHAG COLLEGE P.O.- KALAG, DIST- NALBARI, PIN- 781351, ASSAM	GAUHATI UNIVERSITY	GOVERNMENT	BIPUL KALITA EMAIL: BIPULKALITA81@GMAIL.COM MOBILE NO: 9859531306	MA	29	1.BACH ARTS ( COURSE 8.MAST SCIENC ECONC 9.MAST SCIENC MATHE 10.MAS ARTS I ASSAM 13.MAS ARTS I ECONC 14.MAS ARTS I EDUCA 15.MAS ARTS I 16.MAS ARTS I 18.MAS ARTS I MATHE 20.MAS ARTS I PHILO 21.MAS ARTS I POLITI SCIENC
91	BIRJHORA MAHAVIDYALAYA BONGAIGAON, ASSAM PIN 783380	GAUHATI UNIVERSITY	GOVERNMENT	HEMANTA KUMAR SAUD EMAIL: HEMANTASAUD 84@GMAIL.COM MOBILE NO: 9435329512	MA, MPHIL, PGDE	18	3.BACH COMPU APPLIC 4.BACH SCIENC (INFOR TECHN 7.MAST SCIENC (INFOR TECHN 8.MAST SCIENC ECONC 9.MAST SCIENC MATHE 15.MAS ARTS I

92	DARRANG COLLEGE TEZPUR, ASSAM, PIN-784001	GAUHATI UNIVERSITY	GOVERNMENT	DR. DULAL DAS EMAIL : DASDULAL32@GMAIL.COM MOBILE NO. : 9435380534	MA, PH.D	43	1.BACH ARTS ( COURSE 2.BACH COMM (GENE COURSE 3.BACH COMPU APPLIC 4.BACH SCIENC (INFOR TECHN 5.MAST COMM 7.MAST SCIENC (INFOR TECHN 8.MAST SCIENC ECONC 9.MAST SCIENC MATHE 10.MAS ARTS I ASSAM 11.MAS ARTS I 12.MAS ARTS I 13.MAS ARTS I ECONC 14.MAS ARTS I EDUCA 15.MAS ARTS I 16.MAS ARTS I 18.MAS ARTS I MATHE 19.MAS ARTS I 20.MAS ARTS I PHILOS 21.MAS ARTS I POLITI SCIENC 22.MAS ARTS I SANSK
93	COMMERCE COLLEGE KOKRAJHAR KOKRAJHAR, BTC (ASSAM), PIN 783370	GAUHATI UNIVERSITY	GOVERNMENT	BINOD CH. SWARGIARY EMAIL : BINODSWARGIARY@GMAIL.COM MOBILE NO. : 9435325821	M.COM, M.PHIL, B.ED, B.LIB	8	2.BACH COMM (GENE COURSE 5.MAST COMM

94	NALBARI COMMERCE COLLEGE P.O. CHOWKBAZAR, NALBARI ASSAM, PIN -781335	GAUHATI UNIVERSITY	GOVERNMENT	DR. ATUL CH. HALOI EMAIL: AHALOI.NCC@GMAIL.COM MOBILE NO: 9954052743	MA, PH.D	8	2.BACH COMM (GENE COURS 3.BACH COMPU APPLIC 5.MAST COMM
95	L.C.B COLLEGE MALIGAON, GUWAHATI-781011 ASSAM	GAUHATI UNIVERSITY	GOVERNMENT	CHANDRA MOHAN KALITA EMAIL: NA MOBILE NO: 9613292471	MA	35	1.BACH ARTS (C COURS 3.BACH COMPU APPLIC 4.BACH SCIENC (INFOR TECHN 7.MAST SCIENC (INFOR TECHN 8.MAST SCIENC ECONC 9.MAST SCIENC MATHE 10.MAS ARTS I ASSAM 11.MAS ARTS I 13.MAS ARTS I ECONC 14.MAS ARTS I EDUCA 15.MAS ARTS I 16.MAS ARTS I 18.MAS ARTS I MATHE 20.MAS ARTS I PHILO 21.MAS ARTS I POLITI SCIENC

96	GYANPEETH DEGREE COLLEGE NIKASHI, BAKSA, BTAD PIN-781372, ASSAM	GAUHATI UNIVERSITY	GOVERNMENT	MANTURAMCHIARY EMAIL : MANTUSING102@GMAIL.COM MOBILE NO. : 9957476620	MA	26	1.BACH ARTS (C COURS 10.MAS ARTS I ASSAM 13.MAS ARTS I ECONC 14.MAS ARTS I EDUCA 15.MAS ARTS I 16.MAS ARTS I 19.MAS ARTS I 20.MAS ARTS I PHILO 21.MAS ARTS I POLITI SCIENC
----	---	-----------------------	------------	---	----	----	--

TABLE 1.8(Staff Details)

ACADEMIC STAFF FOR ODL PROGRAMMES:			
Type of Staff	Number of officials on full time and dedicated basis	No. of official exclusively for ODL	No. of temporary staff
Director	8	1	0
Associate Professor	56	0	0
Assistant Professor	155	14	70
Any other (Please specify)NA	0	0	0

TABLE 1.9(Administrative staff)

ADMINISTRATIVE STAFF FOR ODL PROGRAMMES:			
Type of Staff	Number of officials	No. of official exclusively for ODL	No. of temporary staff
Deputy Registrar	1	0	0
Assistant Registrar	8	3	0
Section Officer	22	4	0
Assistants	230	12	0
Computer Operators	29	2	0
Class-IV/Multi Tasking Staff	592	17	168
Technical / Professional	68	1	0
Any other (Please specify) DAILY WAGE	103	1	0

TABLE 1.10(Examination Centre)

A). PROPOSED EXAMINATION CENTRE FOR TERM END EXAMINATION FOR ODL PROGRAMME FOR UPCOMING ACADEMIC YEARS :		
Sr No.	Preparedness Status	YES/NO

(i)	Whether examination centre is within the territorial jurisdiction of the HEI as per Annexure IV of ODL Regulations	YES
(ii)	Whether the examination centre is located as per clause 13 (7) of Part IV of Regulations	YES
(iii)	Provision of CCTV Cameras	YES
(iv)	Provision of Bio-metric attendance	NO
(v)	Provision of Video recording	YES

## Activities for Examination

### B). ACTIVITIES FOR EXAMINATION :

Sr No.	Activity	By the HEI/Outsider Agency/ Both
(i)	Paper setting	BY THE HEI
(ii)	Conduct of examination	BY THE HEI
(iii)	Evaluation of answer sheets	BY THE HEI
(iv)	Declaration of results	BY THE HEI
(v)	If any other , specify RE-EVALUATION OF ANSWER SHEET	BY THE HEI

## Other Information

TABLE 1.11(COMPUTERIZATION/DIGITIZATION STATUS OF THE FOLLOWING ACTIVITIES):

Sr No.	Activities	Yes or No
(i)	Student registration/Admission	YES
(ii)	Administration	YES
(iii)	Finance	YES
(iv)	Academic activities	YES
(v)	Student Support System	YES
(vi)	Continuous Evaluation	YES
(vii)	Online support	YES

TABLE 1.12(Details of full time dedicated Help Desk for ODL mode Student)

(i)	Help Desk Address	GOPINATH BARDOLOI NAGAR, JALUKBARI, GUWAHATI
(ii)	Name of Contact Person	DR. RABINDRA SARMA
(iii)	Designation	P.A. TO THE DIRECTOR
(i)	Phone no.	8811092694
(i)	Email Id	IDOL.GAUHATIUNIVERSITY@GMAIL.COM
(i)	Contact hours for Help Desk	10 AM TO 5 PM

TABLE 1.13(Status of a Court case(s) pertaining to (if any) filed by the HEI or any Institution or body related to the HEI offering Open and Distance Education wherein UGC has been made a party)

W.P.No	Court/Jurisdiction	Status as on date
NA	NA	NA

## Part B

<b>Sr No.</b>	<b>Name of Programme</b>
1	BACHELOR OF ARTS (GENERAL COURSES)
2	BACHELOR OF COMMERCE (GENERAL COURSES)
3	BACHELOR OF COMPUTER APPLICATIONS
4	BACHELOR OF SCIENCE (INFORMATION TECHNOLOGY)
5	MASTER OF COMMERCE
6	MASTER OF COMPUTER APPLICATIONS
7	MASTER OF SCIENCE (INFORMATION TECHNOLOGY)
8	MASTER OF SCIENCE IN ECONOMICS
9	MASTER OF SCIENCE IN MATHEMATICS
10	MASTERS OF ARTS IN ASSAMESE
11	MASTERS OF ARTS IN BENGALI
12	MASTERS OF ARTS IN BODO
13	MASTERS OF ARTS IN ECONOMICS
14	MASTERS OF ARTS IN EDUCATION
15	MASTERS OF ARTS IN ENGLISH
16	MASTERS OF ARTS IN HISTORY
17	MASTERS OF ARTS IN MASS COMMUNICATION
18	MASTERS OF ARTS IN MATHEMATICS
19	MASTERS OF ARTS IN NEPALI
20	MASTERS OF ARTS IN PHILOSOPHY
21	MASTERS OF ARTS IN POLITICAL SCIENCE
22	MASTERS OF ARTS IN SANSKRIT

## NAME OF THE PROGRAMME : BACHELOR OF ARTS (GENERAL COURSES)

### Details of the Programme Proposed to Be Offered Through Open & Distance Learning Mode

Name of the Programme :	BACHELOR OF ARTS (GENERAL COURSES)
Whether nomenclature of proposed Programme is as per UGC norms :	YES
Whether duration of the proposed Programme is as per UGC norms :	YES
Whether minimum eligibility criteria for admission in the proposed Programme is as per UGC norms. :	YES
Name of the Department :	GAUHATI UNIVERSITY
Whether complete SLM prepared for full Programme :	YES
Whether SLM approved by Statutory bodies of HEI :	YES
Whether Program Project Report (PPR) prepared for the Programme and approved as per clause 11(2)&(3) of Part III of Regulations :	YES
Upload Document :	<a href="#">View Document</a>
Whether approval obtained from concerned Regulatory Authority, such as AICTE, NCTE etc. for offering the proposed Programme through distance mode. If yes, specify authority and give details :	NO
Upload Document :	<a href="#">View Document</a>
No. of permanent faculty available at Headquarters for Regular classes of proposed Programme :	0
No. of permanent faculty available exclusively for proposed Programme through ODL mode(No. of Professor) :	0
No. of permanent faculty available exclusively for proposed Programme through ODL mode(No. of Associate Professor) :	0
No. of permanent faculty available exclusively for proposed Programme through ODL mode(No. of Assistant Professor) :	0
Whether the proposed Programme is offered under Regular mode also. If yes, since when :	YES
since when :	1948
Whether Choice Based Credit System (CBCS) is being followed for regular mode. :	YES
Whether Choice Based Credit System (CBCS) will be followed for distance mode. :	YES
Full Programme(total) fee including all components as per UGC Norms:	12000
Whether personal contact Programme will be mandatory for the proposed programme under ODL mode. If Yes, specify in hours.:	YES
If Yes, specify in hours :	270
Whether any component of the Programme is offered as MOOCs?:	NO
If yes specify semester, name, weightage :	

### Details of students under the Proposed Programme

Year	Level	Mode of education	Intake capacity	Students admitted	Students Passed
2017-18	Under Graduate	Regular mode	48500	48500	37347
		ODL mode	562	562	400
	Post Graduate	Regular mode	0	0	0
		ODL mode	0	0	0
2016-17	Under Graduate	Regular mode	48500	48500	37182
		ODL mode	720	720	484
	Post Graduate	Regular mode	0	0	0
		ODL mode	0	0	0
2015-16	Under Graduate	Regular mode	48500	48500	33079
		ODL mode	454	454	0
	Post Graduate	Regular mode	0	0	0
		ODL mode	0	0	0

#### Mode of evaluation for the proposed programme under distance mode

	Yes or No	Weightage in overall assessment
Assignments	YES	340
Practicals	NO	0
Project	NO	0
Term End Exam	YES	1360

#### Mode of delivery of SLM/SIM (State Yes or No)

Printed material	E-content	Audio/Video	Online Mode
YES	YES	NO	YES



## NAME OF THE PROGRAMME : BACHELOR OF COMMERCE (GENERAL COURSES)

### Details of the Programme Proposed to Be Offered Through Open & Distance Learning Mode

Name of the Programme :	BACHELOR OF COMMERCE (GENERAL COURSES)
Whether nomenclature of proposed Programme is as per UGC norms :	YES
Whether duration of the proposed Programme is as per UGC norms :	YES
Whether minimum eligibility criteria for admission in the proposed Programme is as per UGC norms. :	YES
Name of the Department :	DEPARTMENT OF COMMERCE
Whether complete SLM prepared for full Programme :	YES
Whether SLM approved by Statutory bodies of HEI :	YES
Whether Program Project Report (PPR) prepared for the Programme and approved as per clause 11(2)&(3) of Part III of Regulations :	YES
Upload Document :	<a href="#">View Document</a>
Whether approval obtained from concerned Regulatory Authority, such as AICTE, NCTE etc. for offering the proposed Programme through distance mode. If yes, specify authority and give details :	NO
Upload Document :	<a href="#">View Document</a>
No. of permanent faculty available at Headquarters for Regular classes of proposed Programme :	11
No. of permanent faculty available exclusively for proposed Programme through ODL mode(No. of Professor) :	0
No. of permanent faculty available exclusively for proposed Programme through ODL mode(No. of Associate Professor) :	0
No. of permanent faculty available exclusively for proposed Programme through ODL mode(No. of Assistant Professor) :	1
Whether the proposed Programme is offered under Regular mode also. If yes, since when :	YES
since when :	1948
Whether Choice Based Credit System (CBCS) is being followed for regular mode. :	YES
Whether Choice Based Credit System (CBCS) will be followed for distance mode. :	YES
Full Programme(total) fee including all components as per UGC Norms:	15000
Whether personal contact Programme will be mandatory for the proposed programme under ODL mode. If Yes, specify in hours.:	YES
If Yes, specify in hours :	270
Whether any component of the Programme is offered as MOOCs?:	NO
If yes specify semester, name, weightage :	

### Details of students under the Proposed Programme

Year	Level	Mode of education	Intake capacity	Students admitted	Students Passed
2017-18	Under Graduate	Regular mode	7250	7250	5739
		ODL mode	12	12	31
	Post Graduate	Regular mode	0	0	0
		ODL mode	0	0	0
2016-17	Under Graduate	Regular mode	7250	7250	6144
		ODL mode	100	100	44
	Post Graduate	Regular mode	0	0	0
		ODL mode	0	0	0
2015-16	Under Graduate	Regular mode	7250	7250	5945
		ODL mode	100	100	40
	Post Graduate	Regular mode	0	0	0
		ODL mode	0	0	0

#### Mode of evaluation for the proposed programme under distance mode

	Yes or No	Weightage in overall assessment
Assignments	YES	480
Practicals	NO	0
Project	NO	0
Term End Exam	YES	1920

#### Mode of delivery of SLM/SIM (State Yes or No)

Printed material	E-content	Audio/Video	Online Mode
YES	YES	NO	YES

## NAME OF THE PROGRAMME : BACHELOR OF COMPUTER APPLICATIONS

### Details of the Programme Proposed to Be Offered Through Open & Distance Learning Mode

Name of the Programme :	BACHELOR OF COMPUTER APPLICATIONS
Whether nomenclature of proposed Programme is as per UGC norms :	YES
Whether duration of the proposed Programme is as per UGC norms :	YES
Whether minimum eligibility criteria for admission in the proposed Programme is as per UGC norms. :	YES
Name of the Department :	DEPARTMENT OF COMPUTER SCIENCE
Whether complete SLM prepared for full Programme :	YES
Whether SLM approved by Statutory bodies of HEI :	YES
Whether Program Project Report (PPR) prepared for the Programme and approved as per clause 11(2)&(3) of Part III of Regulations :	YES
Upload Document :	<a href="#">View Document</a>
Whether approval obtained from concerned Regulatory Authority, such as AICTE, NCTE etc. for offering the proposed Programme through distance mode. If yes, specify authority and give details :	NO
Upload Document :	<a href="#">View Document</a>
No. of permanent faculty available at Headquarters for Regular classes of proposed Programme :	4
No. of permanent faculty available exclusively for proposed Programme through ODL mode(No. of Professor) :	0
No. of permanent faculty available exclusively for proposed Programme through ODL mode(No. of Associate Professor) :	0
No. of permanent faculty available exclusively for proposed Programme through ODL mode(No. of Assistant Professor) :	6
Whether the proposed Programme is offered under Regular mode also. If yes, since when :	YES
since when :	2006
Whether Choice Based Credit System (CBCS) is being followed for regular mode. :	YES
Whether Choice Based Credit System (CBCS) will be followed for distance mode. :	YES
Full Programme(total) fee including all components as per UGC Norms:	48000
Whether personal contact Programme will be mandatory for the proposed programme under ODL mode. If Yes, specify in hours.:	YES
If Yes, specify in hours :	710
Whether any component of the Programme is offered as MOOCs?:	NO
If yes specify semester, name, weightage :	

### Details of students under the Proposed Programme

Year	Level	Mode of education	Intake capacity	Students admitted	Students Passed
2017-18	Under Graduate	Regular mode	80	80	0
		ODL mode	0	0	0
	Post Graduate	Regular mode	0	0	0
		ODL mode	0	0	0
2016-17	Under Graduate	Regular mode	80	80	26
		ODL mode	0	0	0
	Post Graduate	Regular mode	0	0	0
		ODL mode	0	0	0
2015-16	Under Graduate	Regular mode	80	80	11
		ODL mode	0	0	0
	Post Graduate	Regular mode	0	0	0
		ODL mode	0	0	0

#### Mode of evaluation for the proposed programme under distance mode

	Yes or No	Weightage in overall assessment
Assignments	NO	0
Practicals	YES	550
Project	YES	300
Term End Exam	YES	2030

#### Mode of delivery of SLM/SIM (State Yes or No)

Printed material	E-content	Audio/Video	Online Mode
YES	YES	NO	YES

## NAME OF THE PROGRAMME : BACHELOR OF SCIENCE (INFORMATION TECHNOLOGY)

### Details of the Programme Proposed to Be Offered Through Open & Distance Learning Mode

Name of the Programme :	BACHELOR OF SCIENCE (INFORMATION TECHNOLOGY)
Whether nomenclature of proposed Programme is as per UGC norms :	YES
Whether duration of the proposed Programme is as per UGC norms :	YES
Whether minimum eligibility criteria for admission in the proposed Programme is as per UGC norms. :	YES
Name of the Department :	DEPARTMENT OF COMPUTER SCIENCE
Whether complete SLM prepared for full Programme :	YES
Whether SLM approved by Statutory bodies of HEI :	YES
Whether Program Project Report (PPR) prepared for the Programme and approved as per clause 11(2)&(3) of Part III of Regulations :	YES
Upload Document :	<a href="#">View Document</a>
Whether approval obtained from concerned Regulatory Authority, such as AICTE, NCTE etc. for offering the proposed Programme through distance mode. If yes, specify authority and give details :	NO
Upload Document :	<a href="#">View Document</a>
No. of permanent faculty available at Headquarters for Regular classes of proposed Programme :	4
No. of permanent faculty available exclusively for proposed Programme through ODL mode(No. of Professor) :	0
No. of permanent faculty available exclusively for proposed Programme through ODL mode(No. of Associate Professor) :	0
No. of permanent faculty available exclusively for proposed Programme through ODL mode(No. of Assistant Professor) :	6
Whether the proposed Programme is offered under Regular mode also. If yes, since when :	YES
since when :	2008
Whether Choice Based Credit System (CBCS) is being followed for regular mode. :	YES
Whether Choice Based Credit System (CBCS) will be followed for distance mode. :	YES
Full Programme(total) fee including all components as per UGC Norms:	48000
Whether personal contact Programme will be mandatory for the proposed programme under ODL mode. If Yes, specify in hours.:	YES
If Yes, specify in hours :	710
Whether any component of the Programme is offered as MOOCs?:	NO
If yes specify semester, name, weightage :	

### Details of students under the Proposed Programme

Year	Level	Mode of education	Intake capacity	Students admitted	Students Passed
2017-18	Under Graduate	Regular mode	80	80	12
		ODL mode	0	0	0
	Post Graduate	Regular mode	0	0	0
		ODL mode	0	0	0
2016-17	Under Graduate	Regular mode	80	80	26
		ODL mode	0	0	0
	Post Graduate	Regular mode	0	0	0
		ODL mode	0	0	0
2015-16	Under Graduate	Regular mode	80	80	11
		ODL mode	0	0	0
	Post Graduate	Regular mode	0	0	0
		ODL mode	0	0	0

#### Mode of evaluation for the proposed programme under distance mode

	Yes or No	Weightage in overall assessment
Assignments	NO	0
Practicals	YES	550
Project	YES	300
Term End Exam	YES	1830

#### Mode of delivery of SLM/SIM (State Yes or No)

Printed material	E-content	Audio/Video	Online Mode
YES	YES	NO	YES

## NAME OF THE PROGRAMME : MASTER OF COMMERCE

### Details of the Programme Proposed to Be Offered Through Open & Distance Learning Mode

Name of the Programme :	MASTER OF COMMERCE
Whether nomenclature of proposed Programme is as per UGC norms :	YES
Whether duration of the proposed Programme is as per UGC norms :	YES
Whether minimum eligibility criteria for admission in the proposed Programme is as per UGC norms. :	YES
Name of the Department :	DEPARTMENT OF COMMERCE
Whether complete SLM prepared for full Programme :	YES
Whether SLM approved by Statutory bodies of HEI :	YES
Whether Program Project Report (PPR) prepared for the Programme and approved as per clause 11(2)&(3) of Part III of Regulations :	YES
Upload Document :	<a href="#">View Document</a>
Whether approval obtained from concerned Regulatory Authority, such as AICTE, NCTE etc. for offering the proposed Programme through distance mode. If yes, specify authority and give details :	NO
Upload Document :	<a href="#">View Document</a>
No. of permanent faculty available at Headquarters for Regular classes of proposed Programme :	11
No. of permanent faculty available exclusively for proposed Programme through ODL mode(No. of Professor) :	0
No. of permanent faculty available exclusively for proposed Programme through ODL mode(No. of Associate Professor) :	0
No. of permanent faculty available exclusively for proposed Programme through ODL mode(No. of Assistant Professor) :	1
Whether the proposed Programme is offered under Regular mode also. If yes, since when :	YES
since when :	1948
Whether Choice Based Credit System (CBCS) is being followed for regular mode. :	YES
Whether Choice Based Credit System (CBCS) will be followed for distance mode. :	YES
Full Programme(total) fee including all components as per UGC Norms:	14000
Whether personal contact Programme will be mandatory for the proposed programme under ODL mode. If Yes, specify in hours.:	YES
If Yes, specify in hours :	180
Whether any component of the Programme is offered as MOOCs?:	NO
If yes specify semester, name, weightage :	

### Details of students under the Proposed Programme

Year	Level	Mode of education	Intake capacity	Students admitted	Students Passed
2017-18	Under Graduate	Regular mode	0	0	0
		ODL mode	0	0	0
	Post Graduate	Regular mode	512	512	470
		ODL mode	0	0	213
2016-17	Under Graduate	Regular mode	0	0	0
		ODL mode	0	0	0
	Post Graduate	Regular mode	380	380	287
		ODL mode	3500	2369	387
2015-16	Under Graduate	Regular mode	0	0	0
		ODL mode	0	0	0
	Post Graduate	Regular mode	380	291	287
		ODL mode	3500	3170	357

#### Mode of evaluation for the proposed programme under distance mode

	Yes or No	Weightage in overall assessment
Assignments	YES	400
Practicals	NO	0
Project	NO	0
Term End Exam	YES	1600

#### Mode of delivery of SLM/SIM (State Yes or No)

Printed material	E-content	Audio/Video	Online Mode
YES	YES	NO	YES



## NAME OF THE PROGRAMME : MASTER OF COMPUTER APPLICATIONS

### Details of the Programme Proposed to Be Offered Through Open & Distance Learning Mode

Name of the Programme :	MASTER OF COMPUTER APPLICATIONS
Whether nomenclature of proposed Programme is as per UGC norms :	YES
Whether duration of the proposed Programme is as per UGC norms :	YES
Whether minimum eligibility criteria for admission in the proposed Programme is as per UGC norms. :	YES
Name of the Department :	DEPARTMENT OF COMPUTER SCIENCE
Whether complete SLM prepared for full Programme :	YES
Whether SLM approved by Statutory bodies of HEI :	YES
Whether Program Project Report (PPR) prepared for the Programme and approved as per clause 11(2)&(3) of Part III of Regulations :	YES
Upload Document :	<a href="#">View Document</a>
Whether approval obtained from concerned Regulatory Authority, such as AICTE, NCTE etc. for offering the proposed Programme through distance mode. If yes, specify authority and give details :	NO
Upload Document :	<a href="#">View Document</a>
No. of permanent faculty available at Headquarters for Regular classes of proposed Programme :	4
No. of permanent faculty available exclusively for proposed Programme through ODL mode(No. of Professor) :	0
No. of permanent faculty available exclusively for proposed Programme through ODL mode(No. of Associate Professor) :	0
No. of permanent faculty available exclusively for proposed Programme through ODL mode(No. of Assistant Professor) :	6
Whether the proposed Programme is offered under Regular mode also. If yes, since when :	NO
since when :	
Whether Choice Based Credit System (CBCS) is being followed for regular mode. :	NO
Whether Choice Based Credit System (CBCS) will be followed for distance mode. :	YES
Full Programme(total) fee including all components as per UGC Norms:	66000
Whether personal contact Programme will be mandatory for the proposed programme under ODL mode. If Yes, specify in hours.:	YES
If Yes, specify in hours :	710
Whether any component of the Programme is offered as MOOCs?:	NO
If yes specify semester, name, weightage :	

### Details of students under the Proposed Programme

Year	Level	Mode of education	Intake capacity	Students admitted	Students Passed
2017-18	Under Graduate	Regular mode	0	0	0
		ODL mode	0	0	0
	Post Graduate	Regular mode	0	0	0
		ODL mode	0	0	0
2016-17	Under Graduate	Regular mode	0	0	0
		ODL mode	0	0	0
	Post Graduate	Regular mode	0	0	0
		ODL mode	0	0	0
2015-16	Under Graduate	Regular mode	0	0	0
		ODL mode	0	0	0
	Post Graduate	Regular mode	0	0	0
		ODL mode	0	0	0

#### Mode of evaluation for the proposed programme under distance mode

	Yes or No	Weightage in overall assessment
Assignments	NO	0
Practicals	YES	380
Project	YES	500
Term End Exam	YES	2020

#### Mode of delivery of SLM/SIM (State Yes or No)

Printed material	E-content	Audio/Video	Online Mode
YES	YES	NO	YES

## NAME OF THE PROGRAMME : MASTER OF SCIENCE (INFORMATION TECHNOLOGY)

### Details of the Programme Proposed to Be Offered Through Open & Distance Learning Mode

Name of the Programme :	MASTER OF SCIENCE (INFORMATION TECHNOLOGY)
Whether nomenclature of proposed Programme is as per UGC norms :	YES
Whether duration of the proposed Programme is as per UGC norms :	YES
Whether minimum eligibility criteria for admission in the proposed Programme is as per UGC norms. :	YES
Name of the Department :	DEPARTMENT OF COMPUTER SCIENCE
Whether complete SLM prepared for full Programme :	YES
Whether SLM approved by Statutory bodies of HEI :	YES
Whether Program Project Report (PPR) prepared for the Programme and approved as per clause 11(2)&(3) of Part III of Regulations :	YES
Upload Document :	<a href="#">View Document</a>
Whether approval obtained from concerned Regulatory Authority, such as AICTE, NCTE etc. for offering the proposed Programme through distance mode. If yes, specify authority and give details :	NO
Upload Document :	<a href="#">View Document</a>
No. of permanent faculty available at Headquarters for Regular classes of proposed Programme :	4
No. of permanent faculty available exclusively for proposed Programme through ODL mode(No. of Professor) :	0
No. of permanent faculty available exclusively for proposed Programme through ODL mode(No. of Associate Professor) :	0
No. of permanent faculty available exclusively for proposed Programme through ODL mode(No. of Assistant Professor) :	6
Whether the proposed Programme is offered under Regular mode also. If yes, since when :	YES
since when :	2004
Whether Choice Based Credit System (CBCS) is being followed for regular mode. :	YES
Whether Choice Based Credit System (CBCS) will be followed for distance mode. :	YES
Full Programme(total) fee including all components as per UGC Norms:	46000
Whether personal contact Programme will be mandatory for the proposed programme under ODL mode. If Yes, specify in hours.:	YES
If Yes, specify in hours :	472
Whether any component of the Programme is offered as MOOCs?:	NO
If yes specify semester, name, weightage :	

### Details of students under the Proposed Programme

Year	Level	Mode of education	Intake capacity	Students admitted	Students Passed
2017-18	Under Graduate	Regular mode	0	0	0
		ODL mode	0	0	0
	Post Graduate	Regular mode	30	30	8
		ODL mode	85	85	3
2016-17	Under Graduate	Regular mode	0	0	0
		ODL mode	0	0	0
	Post Graduate	Regular mode	30	30	29
		ODL mode	34	34	10
2015-16	Under Graduate	Regular mode	0	0	0
		ODL mode	0	0	0
	Post Graduate	Regular mode	30	30	18
		ODL mode	43	43	11

#### Mode of evaluation for the proposed programme under distance mode

	Yes or No	Weightage in overall assessment
Assignments	NO	0
Practicals	YES	210
Project	YES	200
Term End Exam	YES	1540

#### Mode of delivery of SLM/SIM (State Yes or No)

Printed material	E-content	Audio/Video	Online Mode
YES	YES	NO	YES

## NAME OF THE PROGRAMME : MASTER OF SCIENCE IN ECONOMICS

### Details of the Programme Proposed to Be Offered Through Open & Distance Learning Mode

Name of the Programme :	MASTER OF SCIENCE IN ECONOMICS
Whether nomenclature of proposed Programme is as per UGC norms :	YES
Whether duration of the proposed Programme is as per UGC norms :	YES
Whether minimum eligibility criteria for admission in the proposed Programme is as per UGC norms. :	YES
Name of the Department :	DEPARTMENT OF ECONOMICS
Whether complete SLM prepared for full Programme :	YES
Whether SLM approved by Statutory bodies of HEI :	YES
Whether Program Project Report (PPR) prepared for the Programme and approved as per clause 11(2)&(3) of Part III of Regulations :	YES
Upload Document :	<a href="#">View Document</a>
Whether approval obtained from concerned Regulatory Authority, such as AICTE, NCTE etc. for offering the proposed Programme through distance mode. If yes, specify authority and give details :	NO
Upload Document :	<a href="#">View Document</a>
No. of permanent faculty available at Headquarters for Regular classes of proposed Programme :	11
No. of permanent faculty available exclusively for proposed Programme through ODL mode(No. of Professor) :	0
No. of permanent faculty available exclusively for proposed Programme through ODL mode(No. of Associate Professor) :	0
No. of permanent faculty available exclusively for proposed Programme through ODL mode(No. of Assistant Professor) :	0
Whether the proposed Programme is offered under Regular mode also. If yes, since when :	YES
since when :	1948
Whether Choice Based Credit System (CBCS) is being followed for regular mode. :	YES
Whether Choice Based Credit System (CBCS) will be followed for distance mode. :	YES
Full Programme(total) fee including all components as per UGC Norms:	14000
Whether personal contact Programme will be mandatory for the proposed programme under ODL mode. If Yes, specify in hours.:	YES
If Yes, specify in hours :	180
Whether any component of the Programme is offered as MOOCs?:	NO
If yes specify semester, name, weightage :	

### Details of students under the Proposed Programme

Year	Level	Mode of education	Intake capacity	Students admitted	Students Passed
2017-18	Under Graduate	Regular mode	0	0	0
		ODL mode	0	0	0
	Post Graduate	Regular mode	125	122	101
		ODL mode	713	713	0
2016-17	Under Graduate	Regular mode	0	0	0
		ODL mode	0	0	0
	Post Graduate	Regular mode	88	88	75
		ODL mode	834	834	98
2015-16	Under Graduate	Regular mode	0	0	0
		ODL mode	0	0	0
	Post Graduate	Regular mode	88	88	108
		ODL mode	1054	1054	74

#### Mode of evaluation for the proposed programme under distance mode

	Yes or No	Weightage in overall assessment
Assignments	YES	320
Practicals	NO	0
Project	NO	0
Term End Exam	YES	1280

#### Mode of delivery of SLM/SIM (State Yes or No)

Printed material	E-content	Audio/Video	Online Mode
YES	YES	NO	YES

## NAME OF THE PROGRAMME : MASTER OF SCIENCE IN MATHEMATICS

### Details of the Programme Proposed to Be Offered Through Open & Distance Learning Mode

Name of the Programme :	MASTER OF SCIENCE IN MATHEMATICS
Whether nomenclature of proposed Programme is as per UGC norms :	YES
Whether duration of the proposed Programme is as per UGC norms :	YES
Whether minimum eligibility criteria for admission in the proposed Programme is as per UGC norms. :	YES
Name of the Department :	DEPARTMENT OF MATHEMATICS
Whether complete SLM prepared for full Programme :	YES
Whether SLM approved by Statutory bodies of HEI :	YES
Whether Program Project Report (PPR) prepared for the Programme and approved as per clause 11(2)&(3) of Part III of Regulations :	YES
Upload Document :	<a href="#">View Document</a>
Whether approval obtained from concerned Regulatory Authority, such as AICTE, NCTE etc. for offering the proposed Programme through distance mode. If yes, specify authority and give details :	NO
Upload Document :	<a href="#">View Document</a>
No. of permanent faculty available at Headquarters for Regular classes of proposed Programme :	15
No. of permanent faculty available exclusively for proposed Programme through ODL mode(No. of Professor) :	0
No. of permanent faculty available exclusively for proposed Programme through ODL mode(No. of Associate Professor) :	0
No. of permanent faculty available exclusively for proposed Programme through ODL mode(No. of Assistant Professor) :	0
Whether the proposed Programme is offered under Regular mode also. If yes, since when :	YES
since when :	1948
Whether Choice Based Credit System (CBCS) is being followed for regular mode. :	YES
Whether Choice Based Credit System (CBCS) will be followed for distance mode. :	YES
Full Programme(total) fee including all components as per UGC Norms:	14000
Whether personal contact Programme will be mandatory for the proposed programme under ODL mode. If Yes, specify in hours.:	YES
If Yes, specify in hours :	180
Whether any component of the Programme is offered as MOOCs?:	NO
If yes specify semester, name, weightage :	

### Details of students under the Proposed Programme

Year	Level	Mode of education	Intake capacity	Students admitted	Students Passed
2017-18	Under Graduate	Regular mode	0	0	0
		ODL mode	0	0	0
	Post Graduate	Regular mode	115	113	100
		ODL mode	0	0	33
2016-17	Under Graduate	Regular mode	0	0	0
		ODL mode	0	0	0
	Post Graduate	Regular mode	80	80	64
		ODL mode	849	849	19
2015-16	Under Graduate	Regular mode	0	0	0
		ODL mode	0	0	0
	Post Graduate	Regular mode	80	80	83
		ODL mode	856	856	51

#### Mode of evaluation for the proposed programme under distance mode

	Yes or No	Weightage in overall assessment
Assignments	YES	400
Practicals	NO	0
Project	NO	0
Term End Exam	YES	1600

#### Mode of delivery of SLM/SIM (State Yes or No)

Printed material	E-content	Audio/Video	Online Mode
YES	YES	NO	YES



## NAME OF THE PROGRAMME : MASTERS OF ARTS IN ASSAMESE

### Details of the Programme Proposed to Be Offered Through Open & Distance Learning Mode

Name of the Programme :	MASTERS OF ARTS IN ASSAMESE
Whether nomenclature of proposed Programme is as per UGC norms :	YES
Whether duration of the proposed Programme is as per UGC norms :	YES
Whether minimum eligibility criteria for admission in the proposed Programme is as per UGC norms. :	YES
Name of the Department :	DEPARTMENT OF ASSAMESE
Whether complete SLM prepared for full Programme :	YES
Whether SLM approved by Statutory bodies of HEI :	YES
Whether Program Project Report (PPR) prepared for the Programme and approved as per clause 11(2)&(3) of Part III of Regulations :	YES
Upload Document :	<a href="#">View Document</a>
Whether approval obtained from concerned Regulatory Authority, such as AICTE, NCTE etc. for offering the proposed Programme through distance mode. If yes, specify authority and give details :	NO
Upload Document :	<a href="#">View Document</a>
No. of permanent faculty available at Headquarters for Regular classes of proposed Programme :	15
No. of permanent faculty available exclusively for proposed Programme through ODL mode(No. of Professor) :	0
No. of permanent faculty available exclusively for proposed Programme through ODL mode(No. of Associate Professor) :	0
No. of permanent faculty available exclusively for proposed Programme through ODL mode(No. of Assistant Professor) :	1
Whether the proposed Programme is offered under Regular mode also. If yes, since when :	YES
since when :	1948
Whether Choice Based Credit System (CBCS) is being followed for regular mode. :	YES
Whether Choice Based Credit System (CBCS) will be followed for distance mode. :	YES
Full Programme(total) fee including all components as per UGC Norms:	14000
Whether personal contact Programme will be mandatory for the proposed programme under ODL mode. If Yes, specify in hours.:	YES
If Yes, specify in hours :	180
Whether any component of the Programme is offered as MOOCs?:	NO
If yes specify semester, name, weightage :	

### Details of students under the Proposed Programme

Year	Level	Mode of education	Intake capacity	Students admitted	Students Passed
2017-18	Under Graduate	Regular mode	0	0	0
		ODL mode	0	0	0
	Post Graduate	Regular mode	660	652	605
		ODL mode	4886	4886	507
2016-17	Under Graduate	Regular mode	0	0	0
		ODL mode	0	0	0
	Post Graduate	Regular mode	578	578	514
		ODL mode	5496	5496	563
2015-16	Under Graduate	Regular mode	0	0	0
		ODL mode	0	0	0
	Post Graduate	Regular mode	578	578	502
		ODL mode	5318	5318	1183

#### Mode of evaluation for the proposed programme under distance mode

	Yes or No	Weightage in overall assessment
Assignments	YES	320
Practicals	NO	0
Project	NO	0
Term End Exam	YES	1280

#### Mode of delivery of SLM/SIM (State Yes or No)

Printed material	E-content	Audio/Video	Online Mode
YES	YES	NO	YES

## NAME OF THE PROGRAMME : MASTERS OF ARTS IN BENGALI

### Details of the Programme Proposed to Be Offered Through Open & Distance Learning Mode

Name of the Programme :	MASTERS OF ARTS IN BENGALI
Whether nomenclature of proposed Programme is as per UGC norms :	YES
Whether duration of the proposed Programme is as per UGC norms :	YES
Whether minimum eligibility criteria for admission in the proposed Programme is as per UGC norms. :	YES
Name of the Department :	DEPARTMENT OF BENGALI
Whether complete SLM prepared for full Programme :	YES
Whether SLM approved by Statutory bodies of HEI :	YES
Whether Program Project Report (PPR) prepared for the Programme and approved as per clause 11(2)&(3) of Part III of Regulations :	YES
Upload Document :	<a href="#">View Document</a>
Whether approval obtained from concerned Regulatory Authority, such as AICTE, NCTE etc. for offering the proposed Programme through distance mode. If yes, specify authority and give details :	NO
Upload Document :	<a href="#">View Document</a>
No. of permanent faculty available at Headquarters for Regular classes of proposed Programme :	5
No. of permanent faculty available exclusively for proposed Programme through ODL mode(No. of Professor) :	0
No. of permanent faculty available exclusively for proposed Programme through ODL mode(No. of Associate Professor) :	0
No. of permanent faculty available exclusively for proposed Programme through ODL mode(No. of Assistant Professor) :	0
Whether the proposed Programme is offered under Regular mode also. If yes, since when :	YES
since when :	1961
Whether Choice Based Credit System (CBCS) is being followed for regular mode. :	YES
Whether Choice Based Credit System (CBCS) will be followed for distance mode. :	YES
Full Programme(total) fee including all components as per UGC Norms:	14000
Whether personal contact Programme will be mandatory for the proposed programme under ODL mode. If Yes, specify in hours.:	YES
If Yes, specify in hours :	180
Whether any component of the Programme is offered as MOOCs?:	NO
If yes specify semester, name, weightage :	

### Details of students under the Proposed Programme

Year	Level	Mode of education	Intake capacity	Students admitted	Students Passed
2017-18	Under Graduate	Regular mode	0	0	0
		ODL mode	0	0	0
	Post Graduate	Regular mode	45	45	35
		ODL mode	562	562	0
2016-17	Under Graduate	Regular mode	0	0	0
		ODL mode	0	0	0
	Post Graduate	Regular mode	45	45	40
		ODL mode	195	195	85
2015-16	Under Graduate	Regular mode	0	0	0
		ODL mode	0	0	0
	Post Graduate	Regular mode	40	40	29
		ODL mode	335	335	51

#### Mode of evaluation for the proposed programme under distance mode

	Yes or No	Weightage in overall assessment
Assignments	YES	320
Practicals	NO	0
Project	NO	0
Term End Exam	YES	1280

#### Mode of delivery of SLM/SIM (State Yes or No)

Printed material	E-content	Audio/Video	Online Mode
YES	YES	NO	YES

## NAME OF THE PROGRAMME : MASTERS OF ARTS IN BODO

### Details of the Programme Proposed to Be Offered Through Open & Distance Learning Mode

Name of the Programme :	MASTERS OF ARTS IN BODO
Whether nomenclature of proposed Programme is as per UGC norms :	YES
Whether duration of the proposed Programme is as per UGC norms :	YES
Whether minimum eligibility criteria for admission in the proposed Programme is as per UGC norms. :	YES
Name of the Department :	DEPARTMENT OF BODO
Whether complete SLM prepared for full Programme :	YES
Whether SLM approved by Statutory bodies of HEI :	YES
Whether Program Project Report (PPR) prepared for the Programme and approved as per clause 11(2)&(3) of Part III of Regulations :	YES
Upload Document :	<a href="#">View Document</a>
Whether approval obtained from concerned Regulatory Authority, such as AICTE, NCTE etc. for offering the proposed Programme through distance mode. If yes, specify authority and give details :	NO
Upload Document :	<a href="#">View Document</a>
No. of permanent faculty available at Headquarters for Regular classes of proposed Programme :	4
No. of permanent faculty available exclusively for proposed Programme through ODL mode(No. of Professor) :	0
No. of permanent faculty available exclusively for proposed Programme through ODL mode(No. of Associate Professor) :	0
No. of permanent faculty available exclusively for proposed Programme through ODL mode(No. of Assistant Professor) :	0
Whether the proposed Programme is offered under Regular mode also. If yes, since when :	YES
since when :	1996
Whether Choice Based Credit System (CBCS) is being followed for regular mode. :	YES
Whether Choice Based Credit System (CBCS) will be followed for distance mode. :	YES
Full Programme(total) fee including all components as per UGC Norms:	14000
Whether personal contact Programme will be mandatory for the proposed programme under ODL mode. If Yes, specify in hours.:	YES
If Yes, specify in hours :	180
Whether any component of the Programme is offered as MOOCs?:	NO
If yes specify semester, name, weightage :	

### Details of students under the Proposed Programme

Year	Level	Mode of education	Intake capacity	Students admitted	Students Passed
2017-18	Under Graduate	Regular mode	0	0	0
		ODL mode	0	0	0
	Post Graduate	Regular mode	45	45	35
		ODL mode	944	944	245
2016-17	Under Graduate	Regular mode	0	0	0
		ODL mode	0	0	0
	Post Graduate	Regular mode	45	45	45
		ODL mode	904	904	487
2015-16	Under Graduate	Regular mode	48500	0	0
		ODL mode	0	0	0
	Post Graduate	Regular mode	45	45	45
		ODL mode	965	965	487

#### Mode of evaluation for the proposed programme under distance mode

	Yes or No	Weightage in overall assessment
Assignments	YES	320
Practicals	NO	0
Project	NO	0
Term End Exam	YES	1280

#### Mode of delivery of SLM/SIM (State Yes or No)

Printed material	E-content	Audio/Video	Online Mode
YES	YES	NO	YES

## NAME OF THE PROGRAMME : MASTERS OF ARTS IN ECONOMICS

### Details of the Programme Proposed to Be Offered Through Open & Distance Learning Mode

Name of the Programme :	MASTERS OF ARTS IN ECONOMICS
Whether nomenclature of proposed Programme is as per UGC norms :	YES
Whether duration of the proposed Programme is as per UGC norms :	YES
Whether minimum eligibility criteria for admission in the proposed Programme is as per UGC norms. :	YES
Name of the Department :	DEPARTMENT OF ECONOMICS
Whether complete SLM prepared for full Programme :	YES
Whether SLM approved by Statutory bodies of HEI :	YES
Whether Program Project Report (PPR) prepared for the Programme and approved as per clause 11(2)&(3) of Part III of Regulations :	YES
Upload Document :	<a href="#">View Document</a>
Whether approval obtained from concerned Regulatory Authority, such as AICTE, NCTE etc. for offering the proposed Programme through distance mode. If yes, specify authority and give details :	NO
Upload Document :	<a href="#">View Document</a>
No. of permanent faculty available at Headquarters for Regular classes of proposed Programme :	11
No. of permanent faculty available exclusively for proposed Programme through ODL mode(No. of Professor) :	0
No. of permanent faculty available exclusively for proposed Programme through ODL mode(No. of Associate Professor) :	0
No. of permanent faculty available exclusively for proposed Programme through ODL mode(No. of Assistant Professor) :	0
Whether the proposed Programme is offered under Regular mode also. If yes, since when :	YES
since when :	1948
Whether Choice Based Credit System (CBCS) is being followed for regular mode. :	YES
Whether Choice Based Credit System (CBCS) will be followed for distance mode. :	YES
Full Programme(total) fee including all components as per UGC Norms:	14000
Whether personal contact Programme will be mandatory for the proposed programme under ODL mode. If Yes, specify in hours.:	YES
If Yes, specify in hours :	180
Whether any component of the Programme is offered as MOOCs?:	NO
If yes specify semester, name, weightage :	

### Details of students under the Proposed Programme

Year	Level	Mode of education	Intake capacity	Students admitted	Students Passed
2017-18	Under Graduate	Regular mode	0	0	0
		ODL mode	0	0	0
	Post Graduate	Regular mode	125	122	101
		ODL mode	713	713	0
2016-17	Under Graduate	Regular mode	0	0	0
		ODL mode	0	0	0
	Post Graduate	Regular mode	88	88	75
		ODL mode	834	834	98
2015-16	Under Graduate	Regular mode	0	0	0
		ODL mode	0	0	0
	Post Graduate	Regular mode	88	88	108
		ODL mode	1054	1054	74

#### Mode of evaluation for the proposed programme under distance mode

	Yes or No	Weightage in overall assessment
Assignments	YES	320
Practicals	NO	0
Project	NO	0
Term End Exam	YES	1280

#### Mode of delivery of SLM/SIM (State Yes or No)

Printed material	E-content	Audio/Video	Online Mode
YES	YES	NO	YES



## NAME OF THE PROGRAMME : MASTERS OF ARTS IN EDUCATION

### Details of the Programme Proposed to Be Offered Through Open & Distance Learning Mode

Name of the Programme :	MASTERS OF ARTS IN EDUCATION
Whether nomenclature of proposed Programme is as per UGC norms :	YES
Whether duration of the proposed Programme is as per UGC norms :	YES
Whether minimum eligibility criteria for admission in the proposed Programme is as per UGC norms. :	YES
Name of the Department :	DEPARTMENT OF EDUCATION
Whether complete SLM prepared for full Programme :	YES
Whether SLM approved by Statutory bodies of HEI :	YES
Whether Program Project Report (PPR) prepared for the Programme and approved as per clause 11(2)&(3) of Part III of Regulations :	YES
Upload Document :	<a href="#">View Document</a>
Whether approval obtained from concerned Regulatory Authority, such as AICTE, NCTE etc. for offering the proposed Programme through distance mode. If yes, specify authority and give details :	NO
Upload Document :	<a href="#">View Document</a>
No. of permanent faculty available at Headquarters for Regular classes of proposed Programme :	9
No. of permanent faculty available exclusively for proposed Programme through ODL mode(No. of Professor) :	0
No. of permanent faculty available exclusively for proposed Programme through ODL mode(No. of Associate Professor) :	0
No. of permanent faculty available exclusively for proposed Programme through ODL mode(No. of Assistant Professor) :	1
Whether the proposed Programme is offered under Regular mode also. If yes, since when :	YES
since when :	1948
Whether Choice Based Credit System (CBCS) is being followed for regular mode. :	YES
Whether Choice Based Credit System (CBCS) will be followed for distance mode. :	YES
Full Programme(total) fee including all components as per UGC Norms:	14000
Whether personal contact Programme will be mandatory for the proposed programme under ODL mode. If Yes, specify in hours.:	YES
If Yes, specify in hours :	180
Whether any component of the Programme is offered as MOOCs?:	NO
If yes specify semester, name, weightage :	

### Details of students under the Proposed Programme

Year	Level	Mode of education	Intake capacity	Students admitted	Students Passed
2017-18	Under Graduate	Regular mode	0	0	0
		ODL mode	0	0	0
	Post Graduate	Regular mode	54	54	52
		ODL mode	0	0	561
2016-17	Under Graduate	Regular mode	0	0	0
		ODL mode	0	0	0
	Post Graduate	Regular mode	54	54	54
		ODL mode	2852	2852	554
2015-16	Under Graduate	Regular mode	0	0	0
		ODL mode	0	0	0
	Post Graduate	Regular mode	54	54	50
		ODL mode	3480	3480	726

#### Mode of evaluation for the proposed programme under distance mode

	Yes or No	Weightage in overall assessment
Assignments	YES	320
Practicals	NO	0
Project	NO	0
Term End Exam	YES	1280

#### Mode of delivery of SLM/SIM (State Yes or No)

Printed material	E-content	Audio/Video	Online Mode
YES	YES	NO	YES

## NAME OF THE PROGRAMME : MASTERS OF ARTS IN ENGLISH

### Details of the Programme Proposed to Be Offered Through Open & Distance Learning Mode

Name of the Programme :	MASTERS OF ARTS IN ENGLISH
Whether nomenclature of proposed Programme is as per UGC norms :	YES
Whether duration of the proposed Programme is as per UGC norms :	YES
Whether minimum eligibility criteria for admission in the proposed Programme is as per UGC norms. :	YES
Name of the Department :	DEPARTMENT OF ENGLISH
Whether complete SLM prepared for full Programme :	YES
Whether SLM approved by Statutory bodies of HEI :	YES
Whether Program Project Report (PPR) prepared for the Programme and approved as per clause 11(2)&(3) of Part III of Regulations :	YES
Upload Document :	<a href="#">View Document</a>
Whether approval obtained from concerned Regulatory Authority, such as AICTE, NCTE etc. for offering the proposed Programme through distance mode. If yes, specify authority and give details :	NO
Upload Document :	<a href="#">View Document</a>
No. of permanent faculty available at Headquarters for Regular classes of proposed Programme :	11
No. of permanent faculty available exclusively for proposed Programme through ODL mode(No. of Professor) :	0
No. of permanent faculty available exclusively for proposed Programme through ODL mode(No. of Associate Professor) :	0
No. of permanent faculty available exclusively for proposed Programme through ODL mode(No. of Assistant Professor) :	1
Whether the proposed Programme is offered under Regular mode also. If yes, since when :	YES
since when :	1955
Whether Choice Based Credit System (CBCS) is being followed for regular mode. :	YES
Whether Choice Based Credit System (CBCS) will be followed for distance mode. :	YES
Full Programme(total) fee including all components as per UGC Norms:	14000
Whether personal contact Programme will be mandatory for the proposed programme under ODL mode. If Yes, specify in hours.:	YES
If Yes, specify in hours :	180
Whether any component of the Programme is offered as MOOCs?:	NO
If yes specify semester, name, weightage :	

### Details of students under the Proposed Programme

Year	Level	Mode of education	Intake capacity	Students admitted	Students Passed
2017-18	Under Graduate	Regular mode	0	0	0
		ODL mode	0	0	0
	Post Graduate	Regular mode	135	134	109
		ODL mode	1308	1308	79
2016-17	Under Graduate	Regular mode	0	0	0
		ODL mode	0	0	0
	Post Graduate	Regular mode	131	131	68
		ODL mode	1192	1192	161
2015-16	Under Graduate	Regular mode	0	0	0
		ODL mode	0	0	0
	Post Graduate	Regular mode	131	131	110
		ODL mode	1624	1624	232

#### Mode of evaluation for the proposed programme under distance mode

	Yes or No	Weightage in overall assessment
Assignments	YES	320
Practicals	NO	0
Project	NO	0
Term End Exam	YES	1280

#### Mode of delivery of SLM/SIM (State Yes or No)

Printed material	E-content	Audio/Video	Online Mode
YES	YES	NO	YES

## NAME OF THE PROGRAMME : MASTERS OF ARTS IN HISTORY

### Details of the Programme Proposed to Be Offered Through Open & Distance Learning Mode

Name of the Programme :	MASTERS OF ARTS IN HISTORY
Whether nomenclature of proposed Programme is as per UGC norms :	YES
Whether duration of the proposed Programme is as per UGC norms :	YES
Whether minimum eligibility criteria for admission in the proposed Programme is as per UGC norms. :	YES
Name of the Department :	DEPARTMENT OF HISTORY
Whether complete SLM prepared for full Programme :	YES
Whether SLM approved by Statutory bodies of HEI :	YES
Whether Program Project Report (PPR) prepared for the Programme and approved as per clause 11(2)&(3) of Part III of Regulations :	YES
Upload Document :	<a href="#">View Document</a>
Whether approval obtained from concerned Regulatory Authority, such as AICTE, NCTE etc. for offering the proposed Programme through distance mode. If yes, specify authority and give details :	NO
Upload Document :	<a href="#">View Document</a>
No. of permanent faculty available at Headquarters for Regular classes of proposed Programme :	10
No. of permanent faculty available exclusively for proposed Programme through ODL mode(No. of Professor) :	0
No. of permanent faculty available exclusively for proposed Programme through ODL mode(No. of Associate Professor) :	0
No. of permanent faculty available exclusively for proposed Programme through ODL mode(No. of Assistant Professor) :	0
Whether the proposed Programme is offered under Regular mode also. If yes, since when :	YES
since when :	1948
Whether Choice Based Credit System (CBCS) is being followed for regular mode. :	YES
Whether Choice Based Credit System (CBCS) will be followed for distance mode. :	YES
Full Programme(total) fee including all components as per UGC Norms:	14000
Whether personal contact Programme will be mandatory for the proposed programme under ODL mode. If Yes, specify in hours.:	YES
If Yes, specify in hours :	180
Whether any component of the Programme is offered as MOOCs?:	NO
If yes specify semester, name, weightage :	

### Details of students under the Proposed Programme

Year	Level	Mode of education	Intake capacity	Students admitted	Students Passed
2017-18	Under Graduate	Regular mode	0	0	0
		ODL mode	0	0	0
	Post Graduate	Regular mode	110	106	89
		ODL mode	633	633	0
2016-17	Under Graduate	Regular mode	0	0	0
		ODL mode	0	0	0
	Post Graduate	Regular mode	85	68	52
		ODL mode	441	441	41
2015-16	Under Graduate	Regular mode	0	0	0
		ODL mode	0	0	0
	Post Graduate	Regular mode	85	85	65
		ODL mode	559	559	55

#### Mode of evaluation for the proposed programme under distance mode

	Yes or No	Weightage in overall assessment
Assignments	YES	320
Practicals	NO	0
Project	NO	0
Term End Exam	YES	1280

#### Mode of delivery of SLM/SIM (State Yes or No)

Printed material	E-content	Audio/Video	Online Mode
YES	YES	NO	YES

## NAME OF THE PROGRAMME : MASTERS OF ARTS IN MASS COMMUNICATION

### Details of the Programme Proposed to Be Offered Through Open & Distance Learning Mode

Name of the Programme :	MASTERS OF ARTS IN MASS COMMUNICATION
Whether nomenclature of proposed Programme is as per UGC norms :	YES
Whether duration of the proposed Programme is as per UGC norms :	YES
Whether minimum eligibility criteria for admission in the proposed Programme is as per UGC norms. :	YES
Name of the Department :	DEPARTMENT OF COMMUNICATION AND JOURNALISM
Whether complete SLM prepared for full Programme :	YES
Whether SLM approved by Statutory bodies of HEI :	YES
Whether Program Project Report (PPR) prepared for the Programme and approved as per clause 11(2)&(3) of Part III of Regulations :	YES
Upload Document :	<a href="#">View Document</a>
Whether approval obtained from concerned Regulatory Authority, such as AICTE, NCTE etc. for offering the proposed Programme through distance mode. If yes, specify authority and give details :	NO
Upload Document :	<a href="#">View Document</a>
No. of permanent faculty available at Headquarters for Regular classes of proposed Programme :	2
No. of permanent faculty available exclusively for proposed Programme through ODL mode(No. of Professor) :	0
No. of permanent faculty available exclusively for proposed Programme through ODL mode(No. of Associate Professor) :	0
No. of permanent faculty available exclusively for proposed Programme through ODL mode(No. of Assistant Professor) :	1
Whether the proposed Programme is offered under Regular mode also. If yes, since when :	YES
since when :	2005
Whether Choice Based Credit System (CBCS) is being followed for regular mode. :	YES
Whether Choice Based Credit System (CBCS) will be followed for distance mode. :	YES
Full Programme(total) fee including all components as per UGC Norms:	14000
Whether personal contact Programme will be mandatory for the proposed programme under ODL mode. If Yes, specify in hours.:	YES
If Yes, specify in hours :	180
Whether any component of the Programme is offered as MOOCs?:	NO
If yes specify semester, name, weightage :	

### Details of students under the Proposed Programme

Year	Level	Mode of education	Intake capacity	Students admitted	Students Passed
2017-18	Under Graduate	Regular mode	0	0	0
		ODL mode	0	0	0
	Post Graduate	Regular mode	36	36	20
		ODL mode	146	146	29
2016-17	Under Graduate	Regular mode	0	0	0
		ODL mode	0	0	0
	Post Graduate	Regular mode	36	36	34
		ODL mode	175	175	38
2015-16	Under Graduate	Regular mode	0	0	0
		ODL mode	0	0	0
	Post Graduate	Regular mode	36	36	32
		ODL mode	210	210	37

#### Mode of evaluation for the proposed programme under distance mode

	Yes or No	Weightage in overall assessment
Assignments	YES	320
Practicals	NO	0
Project	NO	0
Term End Exam	YES	1280

#### Mode of delivery of SLM/SIM (State Yes or No)

Printed material	E-content	Audio/Video	Online Mode
YES	YES	NO	YES



## NAME OF THE PROGRAMME : MASTERS OF ARTS IN MATHEMATICS

### Details of the Programme Proposed to Be Offered Through Open & Distance Learning Mode

Name of the Programme :	MASTERS OF ARTS IN MATHEMATICS
Whether nomenclature of proposed Programme is as per UGC norms :	YES
Whether duration of the proposed Programme is as per UGC norms :	YES
Whether minimum eligibility criteria for admission in the proposed Programme is as per UGC norms. :	YES
Name of the Department :	DEPARTMENT OF MATHEMATICS
Whether complete SLM prepared for full Programme :	YES
Whether SLM approved by Statutory bodies of HEI :	YES
Whether Program Project Report (PPR) prepared for the Programme and approved as per clause 11(2)&(3) of Part III of Regulations :	YES
Upload Document :	<a href="#">View Document</a>
Whether approval obtained from concerned Regulatory Authority, such as AICTE, NCTE etc. for offering the proposed Programme through distance mode. If yes, specify authority and give details :	NO
Upload Document :	<a href="#">View Document</a>
No. of permanent faculty available at Headquarters for Regular classes of proposed Programme :	15
No. of permanent faculty available exclusively for proposed Programme through ODL mode(No. of Professor) :	0
No. of permanent faculty available exclusively for proposed Programme through ODL mode(No. of Associate Professor) :	0
No. of permanent faculty available exclusively for proposed Programme through ODL mode(No. of Assistant Professor) :	0
Whether the proposed Programme is offered under Regular mode also. If yes, since when :	YES
since when :	1948
Whether Choice Based Credit System (CBCS) is being followed for regular mode. :	YES
Whether Choice Based Credit System (CBCS) will be followed for distance mode. :	YES
Full Programme(total) fee including all components as per UGC Norms:	14000
Whether personal contact Programme will be mandatory for the proposed programme under ODL mode. If Yes, specify in hours.:	YES
If Yes, specify in hours :	180
Whether any component of the Programme is offered as MOOCs?:	NO
If yes specify semester, name, weightage :	

### Details of students under the Proposed Programme

Year	Level	Mode of education	Intake capacity	Students admitted	Students Passed
2017-18	Under Graduate	Regular mode	0	0	0
		ODL mode	0	0	0
	Post Graduate	Regular mode	115	113	100
		ODL mode	0	0	0
2016-17	Under Graduate	Regular mode	0	0	0
		ODL mode	0	0	0
	Post Graduate	Regular mode	80	80	64
		ODL mode	849	849	19
2015-16	Under Graduate	Regular mode	0	0	0
		ODL mode	0	0	0
	Post Graduate	Regular mode	80	80	83
		ODL mode	856	856	51

#### Mode of evaluation for the proposed programme under distance mode

	Yes or No	Weightage in overall assessment
Assignments	YES	400
Practicals	NO	0
Project	NO	0
Term End Exam	YES	1600

#### Mode of delivery of SLM/SIM (State Yes or No)

Printed material	E-content	Audio/Video	Online Mode
YES	YES	NO	YES

## NAME OF THE PROGRAMME : MASTERS OF ARTS IN NEPALI

### Details of the Programme Proposed to Be Offered Through Open & Distance Learning Mode

Name of the Programme :	MASTERS OF ARTS IN NEPALI
Whether nomenclature of proposed Programme is as per UGC norms :	YES
Whether duration of the proposed Programme is as per UGC norms :	YES
Whether minimum eligibility criteria for admission in the proposed Programme is as per UGC norms. :	YES
Name of the Department :	DEPARTMENT OF MIL
Whether complete SLM prepared for full Programme :	YES
Whether SLM approved by Statutory bodies of HEI :	YES
Whether Program Project Report (PPR) prepared for the Programme and approved as per clause 11(2)&(3) of Part III of Regulations :	YES
Upload Document :	<a href="#">View Document</a>
Whether approval obtained from concerned Regulatory Authority, such as AICTE, NCTE etc. for offering the proposed Programme through distance mode. If yes, specify authority and give details :	NO
Upload Document :	<a href="#">View Document</a>
No. of permanent faculty available at Headquarters for Regular classes of proposed Programme :	0
No. of permanent faculty available exclusively for proposed Programme through ODL mode(No. of Professor) :	0
No. of permanent faculty available exclusively for proposed Programme through ODL mode(No. of Associate Professor) :	0
No. of permanent faculty available exclusively for proposed Programme through ODL mode(No. of Assistant Professor) :	0
Whether the proposed Programme is offered under Regular mode also. If yes, since when :	NO
since when :	
Whether Choice Based Credit System (CBCS) is being followed for regular mode. :	NO
Whether Choice Based Credit System (CBCS) will be followed for distance mode. :	YES
Full Programme(total) fee including all components as per UGC Norms:	14000
Whether personal contact Programme will be mandatory for the proposed programme under ODL mode. If Yes, specify in hours.:	YES
If Yes, specify in hours :	180
Whether any component of the Programme is offered as MOOCs?:	NO
If yes specify semester, name, weightage :	

### Details of students under the Proposed Programme

Year	Level	Mode of education	Intake capacity	Students admitted	Students Passed
2017-18	Under Graduate	Regular mode	0	0	0
		ODL mode	0	0	0
	Post Graduate	Regular mode	0	0	0
		ODL mode	0	0	0
2016-17	Under Graduate	Regular mode	0	0	0
		ODL mode	0	0	0
	Post Graduate	Regular mode	0	0	0
		ODL mode	38	38	0
2015-16	Under Graduate	Regular mode	0	0	0
		ODL mode	0	0	0
	Post Graduate	Regular mode	0	0	0
		ODL mode	154	154	79

#### Mode of evaluation for the proposed programme under distance mode

	Yes or No	Weightage in overall assessment
Assignments	YES	320
Practicals	NO	0
Project	NO	0
Term End Exam	YES	1280

#### Mode of delivery of SLM/SIM (State Yes or No)

Printed material	E-content	Audio/Video	Online Mode
YES	YES	NO	YES

## NAME OF THE PROGRAMME : MASTERS OF ARTS IN PHILOSOPHY

### Details of the Programme Proposed to Be Offered Through Open & Distance Learning Mode

Name of the Programme :	MASTERS OF ARTS IN PHILOSOPHY
Whether nomenclature of proposed Programme is as per UGC norms :	YES
Whether duration of the proposed Programme is as per UGC norms :	YES
Whether minimum eligibility criteria for admission in the proposed Programme is as per UGC norms. :	YES
Name of the Department :	DEPARTMENT OF PHILOSOPHY
Whether complete SLM prepared for full Programme :	YES
Whether SLM approved by Statutory bodies of HEI :	YES
Whether Program Project Report (PPR) prepared for the Programme and approved as per clause 11(2)&(3) of Part III of Regulations :	YES
Upload Document :	<a href="#">View Document</a>
Whether approval obtained from concerned Regulatory Authority, such as AICTE, NCTE etc. for offering the proposed Programme through distance mode. If yes, specify authority and give details :	NO
Upload Document :	<a href="#">View Document</a>
No. of permanent faculty available at Headquarters for Regular classes of proposed Programme :	6
No. of permanent faculty available exclusively for proposed Programme through ODL mode(No. of Professor) :	0
No. of permanent faculty available exclusively for proposed Programme through ODL mode(No. of Associate Professor) :	0
No. of permanent faculty available exclusively for proposed Programme through ODL mode(No. of Assistant Professor) :	0
Whether the proposed Programme is offered under Regular mode also. If yes, since when :	YES
since when :	1948
Whether Choice Based Credit System (CBCS) is being followed for regular mode. :	YES
Whether Choice Based Credit System (CBCS) will be followed for distance mode. :	YES
Full Programme(total) fee including all components as per UGC Norms:	14000
Whether personal contact Programme will be mandatory for the proposed programme under ODL mode. If Yes, specify in hours.:	YES
If Yes, specify in hours :	180
Whether any component of the Programme is offered as MOOCs?:	NO
If yes specify semester, name, weightage :	

### Details of students under the Proposed Programme

Year	Level	Mode of education	Intake capacity	Students admitted	Students Passed
2017-18	Under Graduate	Regular mode	0	0	0
		ODL mode	0	0	0
	Post Graduate	Regular mode	115	115	62
		ODL mode	0	0	83
2016-17	Under Graduate	Regular mode	0	0	0
		ODL mode	0	0	0
	Post Graduate	Regular mode	115	115	34
		ODL mode	510	510	159
2015-16	Under Graduate	Regular mode	0	0	0
		ODL mode	0	0	0
	Post Graduate	Regular mode	115	115	45
		ODL mode	686	686	159

#### Mode of evaluation for the proposed programme under distance mode

	Yes or No	Weightage in overall assessment
Assignments	YES	320
Practicals	NO	0
Project	NO	0
Term End Exam	YES	1280

#### Mode of delivery of SLM/SIM (State Yes or No)

Printed material	E-content	Audio/Video	Online Mode
YES	YES	NO	YES

## NAME OF THE PROGRAMME : MASTERS OF ARTS IN POLITICAL SCIENCE

### Details of the Programme Proposed to Be Offered Through Open & Distance Learning Mode

Name of the Programme :	MASTERS OF ARTS IN POLITICAL SCIENCE
Whether nomenclature of proposed Programme is as per UGC norms :	YES
Whether duration of the proposed Programme is as per UGC norms :	YES
Whether minimum eligibility criteria for admission in the proposed Programme is as per UGC norms. :	YES
Name of the Department :	DEPARTMENT OF POLITICAL SCIENCE
Whether complete SLM prepared for full Programme :	YES
Whether SLM approved by Statutory bodies of HEI :	YES
Whether Program Project Report (PPR) prepared for the Programme and approved as per clause 11(2)&(3) of Part III of Regulations :	YES
Upload Document :	<a href="#">View Document</a>
Whether approval obtained from concerned Regulatory Authority, such as AICTE, NCTE etc. for offering the proposed Programme through distance mode. If yes, specify authority and give details :	NO
Upload Document :	<a href="#">View Document</a>
No. of permanent faculty available at Headquarters for Regular classes of proposed Programme :	10
No. of permanent faculty available exclusively for proposed Programme through ODL mode(No. of Professor) :	0
No. of permanent faculty available exclusively for proposed Programme through ODL mode(No. of Associate Professor) :	0
No. of permanent faculty available exclusively for proposed Programme through ODL mode(No. of Assistant Professor) :	3
Whether the proposed Programme is offered under Regular mode also. If yes, since when :	YES
since when :	1958
Whether Choice Based Credit System (CBCS) is being followed for regular mode. :	YES
Whether Choice Based Credit System (CBCS) will be followed for distance mode. :	YES
Full Programme(total) fee including all components as per UGC Norms:	14000
Whether personal contact Programme will be mandatory for the proposed programme under ODL mode. If Yes, specify in hours.:	YES
If Yes, specify in hours :	180
Whether any component of the Programme is offered as MOOCs?:	NO
If yes specify semester, name, weightage :	

### Details of students under the Proposed Programme

Year	Level	Mode of education	Intake capacity	Students admitted	Students Passed
2017-18	Under Graduate	Regular mode	0	0	0
		ODL mode	0	0	0
	Post Graduate	Regular mode	75	75	51
		ODL mode	0	0	359
2016-17	Under Graduate	Regular mode	0	0	0
		ODL mode	0	0	0
	Post Graduate	Regular mode	64	64	64
		ODL mode	2291	2291	567
2015-16	Under Graduate	Regular mode	0	0	0
		ODL mode	0	0	0
	Post Graduate	Regular mode	60	60	83
		ODL mode	2695	2695	404

#### Mode of evaluation for the proposed programme under distance mode

	Yes or No	Weightage in overall assessment
Assignments	YES	320
Practicals	NO	0
Project	NO	0
Term End Exam	YES	1280

#### Mode of delivery of SLM/SIM (State Yes or No)

Printed material	E-content	Audio/Video	Online Mode
YES	YES	NO	YES



## NAME OF THE PROGRAMME : MASTERS OF ARTS IN SANSKRIT

### Details of the Programme Proposed to Be Offered Through Open & Distance Learning Mode

Name of the Programme :	MASTERS OF ARTS IN SANSKRIT
Whether nomenclature of proposed Programme is as per UGC norms :	YES
Whether duration of the proposed Programme is as per UGC norms :	YES
Whether minimum eligibility criteria for admission in the proposed Programme is as per UGC norms. :	YES
Name of the Department :	DEPARTMENT OF SANSKRIT
Whether complete SLM prepared for full Programme :	YES
Whether SLM approved by Statutory bodies of HEI :	YES
Whether Program Project Report (PPR) prepared for the Programme and approved as per clause 11(2)&(3) of Part III of Regulations :	YES
Upload Document :	<a href="#">View Document</a>
Whether approval obtained from concerned Regulatory Authority, such as AICTE, NCTE etc. for offering the proposed Programme through distance mode. If yes, specify authority and give details :	NO
Upload Document :	<a href="#">View Document</a>
No. of permanent faculty available at Headquarters for Regular classes of proposed Programme :	13
No. of permanent faculty available exclusively for proposed Programme through ODL mode(No. of Professor) :	0
No. of permanent faculty available exclusively for proposed Programme through ODL mode(No. of Associate Professor) :	0
No. of permanent faculty available exclusively for proposed Programme through ODL mode(No. of Assistant Professor) :	0
Whether the proposed Programme is offered under Regular mode also. If yes, since when :	YES
since when :	1957
Whether Choice Based Credit System (CBCS) is being followed for regular mode. :	YES
Whether Choice Based Credit System (CBCS) will be followed for distance mode. :	YES
Full Programme(total) fee including all components as per UGC Norms:	14000
Whether personal contact Programme will be mandatory for the proposed programme under ODL mode. If Yes, specify in hours.:	YES
If Yes, specify in hours :	180
Whether any component of the Programme is offered as MOOCs?:	NO
If yes specify semester, name, weightage :	

### Details of students under the Proposed Programme

Year	Level	Mode of education	Intake capacity	Students admitted	Students Passed
2017-18	Under Graduate	Regular mode	0	0	0
		ODL mode	0	0	0
	Post Graduate	Regular mode	89	89	59
		ODL mode	0	0	0
2016-17	Under Graduate	Regular mode	0	0	0
		ODL mode	0	0	0
	Post Graduate	Regular mode	89	89	68
		ODL mode	0	0	0
2015-16	Under Graduate	Regular mode	0	0	0
		ODL mode	0	0	0
	Post Graduate	Regular mode	89	89	71
		ODL mode	0	0	0

#### Mode of evaluation for the proposed programme under distance mode

	Yes or No	Weightage in overall assessment
Assignments	YES	320
Practicals	NO	0
Project	NO	0
Term End Exam	YES	1280

#### Mode of delivery of SLM/SIM (State Yes or No)

Printed material	E-content	Audio/Video	Online Mode
YES	YES	NO	YES

## Part C

### Annexures

Copy of Resolution of the HEI for establishment of Distance Education Department :	<a href="#">View Document</a>
Copy of NAAC Accreditation Certificate :	<a href="#">View Document</a>
Copy of Academic Planner for 2018-19 :	<a href="#">View Document</a>
Copy of Affidavit on stamp paper of Rs. 100, notarized and duly signed by the Vice Chancellor/Registrar:	<a href="#">View Document</a>
Copy of approval of Statutory bodies for all PPR:	<a href="#">View Document</a>
Copy of Statutory bodies approval for SLM	<a href="#">View Document</a>
Copy of faculty (Teaching staff) details :	<a href="#">View Document</a>
Copy of administrative staff details :	<a href="#">View Document</a>

Copy of Programme Project Report (PPR) for each programme :

Name of Programme	View PPR
BACHELOR OF ARTS (GENERAL COURSES)	View
BACHELOR OF COMMERCE (GENERAL COURSES)	View
BACHELOR OF COMPUTER APPLICATIONS	View
BACHELOR OF SCIENCE (INFORMATION TECHNOLOGY)	View
MASTER OF COMMERCE	View
MASTER OF COMPUTER APPLICATIONS	View
MASTER OF SCIENCE (INFORMATION TECHNOLOGY)	View
MASTER OF SCIENCE IN ECONOMICS	View
MASTER OF SCIENCE IN MATHEMATICS	View
MASTERS OF ARTS IN ASSAMESE	View
MASTERS OF ARTS IN BENGALI	View
MASTERS OF ARTS IN BODO	View
MASTERS OF ARTS IN ECONOMICS	View
MASTERS OF ARTS IN EDUCATION	View
MASTERS OF ARTS IN ENGLISH	View
MASTERS OF ARTS IN HISTORY	View
MASTERS OF ARTS IN MASS COMMUNICATION	View
MASTERS OF ARTS IN MATHEMATICS	View
MASTERS OF ARTS IN NEPALI	View
MASTERS OF ARTS IN PHILOSOPHY	View
MASTERS OF ARTS IN POLITICAL SCIENCE	View
MASTERS OF ARTS IN SANSKRIT	View

WHETHER APPROVAL OBTAINED FROM CONCERNED REGULATORY AUTHORITY, SUCH AS AICTE, NCTE ETC. FOR OFFERING THE PROPOSED PROGRAMME THROUGH DISTANCE MODE:

PRINT

PRINT ANNEXURES

## INDEX FOR ANNEXURES

Sl. No	Item
1	Act of the HEI (Gauhati University) <span style="float: right;"><i>(Total Pages 25)</i></span>
2	Govt. Notification of establishment of the HEI (Gauhati University) <span style="float: right;"><i>(Total Pages 3)</i></span>
3	Establishment of Distance Education Dept. at HEI (Gauhati University) <span style="float: right;"><i>(Total Pages 3)</i></span>
4	NAAC Accreditation Certificate <span style="float: right;"><i>(Total Pages 5)</i></span>
5	Academic Planner <span style="float: right;"><i>(Total Pages 2)</i></span>
6	Approval of PPR by the Statutory Body of HEI (Gauhati University) <span style="float: right;"><i>(Total Pages 4)</i></span>
7	Approval of SLM by the Statutory Body of HEI (Gauhati University) <span style="float: right;"><i>(Total Pages 4)</i></span>
8	Academic Staff detail [Format-A] <span style="float: right;"><i>(Total Pages 2)</i></span>
9	Administrative Staff detail [Format-B] <span style="float: right;"><i>(Total Page 1)</i></span>
10	Affidavit <span style="float: right;"><i>(Total Pages 3)</i></span>

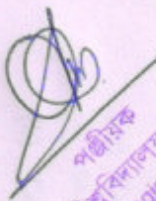
(As amended up to date)

# THE GAUHATI UNIVERSITY ACT, 1947 (As amended up to date)

(Incorporating the Gauhati University Amendment Act of 1949,  
1960, 1964, 1965, 1968, 1969, 1972, 1975, 1976 and 2013)

An

Act to establish and constitute a teaching, residential  
and affiliating University at Gauhati.

  
 পঞ্জীয়ক  
 গুৱাহাটী বিশ্ববিদ্যালয়, গুৱাহাটী-১৪  
 Registrar  
 Gauhati University, Guwahati-14

# THE GAUHATI UNIVERSITY ACT, 1947

(As amended up to date)

(Incorporating the Gauhati University Amendment Act of 1949, 1960, 1964, 1965, 1968, 1969, 1972, 1975, 1976 and 2013 )

An

Act to establish and constitute a teaching, residential and affiliating University at Gauhati.

**Preamble :** Whereas it is expedient to establish and constitute a teaching, residential and affiliating University at Gauhati and to dissolve the Gauhati University Trust Board, registered under the Indian Trust Act, 1882, and to transfer to and vest in the said University all property and rights now vested in the said Trust Board.

It is hereby enacted as follows :

## Short Title & Commencement : 1.

1. This Act may be called the Gauhati University Act, 1947.
2. It shall come into force on such date as the State Government may, by notification in the official Gazette, direct.
3. The Gauhati University Trust Board shall be dissolved and all properties and rights now vested in the said Trust Board shall be transferred to and vest in the said University on such date as this Act may come into force.
4. From the date on which this Act comes into force, the Calcutta University as constituted under the Indian Universities Act of 1904, and the Dacca Board of Intermediate and Secondary Education as appointed by the Government of Bengal in their resolution No. 1011 — Education of 1921, shall cease to exercise their jurisdiction over the educational institutions recognised by the Government of Assam, and the Statutes, Ordinances and Regulations and Rules of the Calcutta University and the Dacca Board of Intermediate and

Secondary Education shall not be operative in so far as they relate to such institutions and the Gauhati University shall exercise authority and jurisdiction over all such educational institutions from the aforesaid date.

**Notes :** By section 5 of the Dibrugarh University Act, 1965, the two districts of Sibsagar and Lakhimpur have been transferred from the jurisdiction of Gauhati University to that of Dibrugarh University. The relevant section runs as follows :

5. (1) Save otherwise provided in this Act, the powers of the University conferred by or under this Act shall extend to the districts of Lakhimpur and Sibsagar and to such other areas and colleges, institutions and other bodies beyond this territorial limit to which any or all of the powers of the University may be extended by it, with the previous approval of the State Government.
- (2) From the date on which this Act comes into force the Gauhati University shall cease to exercise its jurisdiction over all the colleges and institutions affiliated to or recognised by it and lying within the districts of Lakhimpur and Sibsagar, and the Dibrugarh University shall exercise authority and jurisdiction over them from the aforesaid date, as if they were affiliated to, or recognised by the Dibrugarh University from the aforesaid date.

**Definitions - 2 :** In this Act and in the Statutes, unless there is anything repugnant in the subject or context.

- (a) 'Board of Secondary Education' means the Board of Secondary Education, if any, established by Government.
- (aa) 'College' means any College or institution maintained or admitted to privileges by the University.
- (b) 'Council' means the University Council.
- (c) 'Court' means the University Court.
- (cc) 'Doctors of the University' means persons awarded a Doctorate degree by the University.

- (ccc) 'Degree College' means a College affiliated to the University in which instruction is given to the students of the College upto a standard leading to the award of any Bachelors' degree by the University.
- (d) 'Faculty' means a Faculty of the University.
- (e) 'Government' in this Act shall mean the State Government of Assam unless where the Government of Manipur and the Government of Arunachal Pradesh are specifically mentioned in any Section of this Act.'
- (f) 'Hall' means a unit of residence for the students of the University maintained or recognised by the University in accordance with the provisions of this Act.
- (ff) 'Moderation Board' means a Board constituted in the manner as may be prescribed in the statutes for the purpose of scrutinising and moderating the question papers of various examinations held and conducted by the University, from time to time.
- (g) 'Patron of the University' means a person who has made a donation of not less than Rs. 1,00,000/- to the funds of the University and has been declared by the Chancellor to be a patron of the University.
- (h) 'Principal' means the head of a College and of its teaching staff, and includes, where there is no principal, the person for the time being duly appointed to act as Principal, and in the absence of the Principal, a Vice Principal duly appointed as such.
- (hh) 'Professional College' means a College imparting instructions in the professional subjects namely, Law, Medicine, Engineering, Technology, Agriculture, Veterinary, Post-graduate teachers training and such other subjects as may be prescribed- from time to time as professional subjects under the statutes.
- (i) 'Registered Graduate' means a graduate registered under the provisions of this Act.
- (j) 'Statutes', 'Ordinance' and 'Regulations' means, respectively, the Statutes, Ordinances and Regulations of the University made under this Act.

- (k) 'Teachers' means a Professor a Reader or a Lecturer of the University or College whether constituent or affiliated, or any other person imparting instructions or guiding Research and designated as teacher by the University and includes a person recognised as a teacher by the University.
- (l) 'University' means the Gauhati University
- (m) 'University Professor' or 'University Reader' means a Professor or a Reader appointed or recognised as such by the University.

### **Constitution, Succession & Purposes :**

3. (1) The first Chancellor, the first Vice-Chancellor of the University and the first members of the Court, the Executive Council and the Academic Council and all persons who may hereafter become such officers or members, so long as they continue to hold such office or membership, shall constitute the University.
- (2) The University shall have perpetual succession and common seal and shall sue and be sued by the said name.
- (3) The University shall be deemed to have been constituted for the purposes, among others of making provisions for imparting education, for research and for the advancement and dissemination of knowledge in such subjects as the University may deem fit.

**Open to all (4) :** The University shall be open to all persons irrespective of sex, race, creed or class, and it shall not be lawful for the University to adopt or impose any test whatsoever of Religious belief or profession in order to entitle a person to be admitted there to as a teacher or student, or to hold any office therein or to graduate there at or to enjoy or exercise any privilege thereof, except where such test is specially prescribed by the statutes or in respect of any particular benefaction accepted by the University or when such test is made a condition thereof by any testamentary or other instrument creating such benefaction.

**Power of the University - 5 :** The University shall have the following powers, namely —



- (a) To provide for instruction in such branches of learning as the University may think fit, and to make provision for research and for the advancement and dissemination of knowledge.
- (b) To hold examinations and to grant to, and confer degrees and other academic distinctions on, persons who,
  - (i) Have passed a course of study in or prescribed by the University, or
  - (ii) are teachers in educational institutions under conditions laid down in the Ordinances and Regulations and have passed the examination of the University under like conditions.
- (c) to confer honorary degrees or other distinctions, on approved persons in the manner laid down in the Statutes,
- (d) to grant such diplomas to and to provide such lectures and instruction for, persons not being members of the University, as the University may determine,
- (e) to withdraw or cancel Degrees, Diplomas, Certificates or other distinctions granted or conferred,
- (f) to co-operate with other Universities and authorities in such manner and for such purposes as the University may determine,
- (g) to institute any Professorship, Readership Lecturership and any other teaching posts required by the University,
- (h) to appoint or recognise persons as Professors, Readers, or Lecturers, or otherwise as teachers of the University,
- (i) to institute and award fellowship, Scholarships, Exhibitions and prizes in accordance with the Statutes and regulations,
- (j) to maintain Colleges and Halls, to affiliate Degree Colleges and Halls not maintained by the University, and to withdraw such affiliation,
- (k) to demand and receive payments of such fees and other charges as may be authorised by the Ordinances,
- (l) to supervise and control the residence and discipline of students of the University, and to make arrangements for promoting their health and general welfare,

- (m) to receive grants from Government and donations from private individuals or associations, for specific general purposes,
- (n) to make grants from the funds of the University for assistance to extra-mural teaching,
- (o) to make receive, purchase or hold for the purpose of the University any property movable or immovable including any fund, which is or may become vested in the University or placed at its disposal and to grant, demise, alienate, transfer or otherwise dispose of or administer all or any such property or funds for any purpose of the University under this Act including, construction of and buildings, roads, tanks, pipelines or any other structure and also to do all other acts incidental or appertaining thereto.
- (p) To constitute for the benefit of its officers and employees such pensions and provident funds as it may deem fit in such manner and subject to conditions as may be prescribed, and
- (q) To do all such other acts and things, whether incidental to the powers aforesaid or not. as may be requisite in order to further the objects of the University at a Teaching and Examining body, and to cultivate and promote Arts, Sciences and other branches of learning.

**Teaching - 6 :**

- (1) All recognised teaching in connection with the University courses shall be conducted under the control of the Academic Council by Teachers of the University, and shall include lecturing and laboratory work and other teaching conducted in accordance with any syllabus prescribed by the Regulations.
- (2) The authorities responsible for organising such teaching shall be prescribed by the Statutes.
- (3) The courses and curricula shall be prescribed by the Ordinances and, subject thereto, by Regulations.

**Authorities - 7 :** The following shall be the Authorities and officers of the University :

- (i) The Chancellor
- (ii) The Vice-Chancellor,
- (iii) The Rector,
- (iv) The Court
- (v) The Executive Council,
- (vi) The Academic Council,
- (vii) The Faculties,
- (viii) The Standing Finance Committee,
- (ix) The Construction Committee,
- (x) The Selection Committee,
- (xi) The Registrar,
- (xii) The Treasurer, and
- (xiii) Such other Authorities and Officers as may be provided for by the Statutes.

**POWER & DUTIES OF OFFICERS : 8**

- (1) The Governor of Assam shall be Chancellor of the University.
- (2) The Chancellor by virtue of his office shall be the Head of the University and the President of the Court and shall, when present, preside at any Convocation of the University.

**CHANCELLOR :**

- (3) Where power is conferred upon the Chancellor by this Act or by the Statutes to nominate persons to the authorities of the University or other bodies thereof, the Chancellor shall to the extent necessary nominate person to represent the interests of the minorities, Scheduled Tribes and Scheduled Castes and interests not otherwise represented.

*Assam Govt. decision under Section 42 C. (vide Education Deptt. letter No. ECL. 80/74/23 dated 5.1.76) 7 (ii) - The word 'Pro-Chancellor' may be deleted for all purposes.*

- (4) Every proposal to confer an honorary degree shall be subject to the confirmation of the Chancellor.

- (5) The Chancellor shall have the power to cause an inspection to be made by such person or persons as he may direct of the University, its buildings, laboratories and equipments and of every institution maintained by the University and also of the examinations teaching and other work conducted or done by the University and to cause an enquiry to be made in like manner in respect of any matter connected with the University.
- (6) The Chancellor shall in every such case, give notice to the Executive Council of his intention to cause an inspection or enquiry to be made and the Executive Council shall be entitled to appoint a representative who shall have the right to be present and be heard at such inspection or enquiry.
- (7) The Chancellor may address the Vice-Chancellor with reference to the result of such inspection and enquiry and the Vice-Chancellor shall communicate to the Executive Council the views of the Chancellor with such advice as the Chancellor may offer upon the action to be taken thereon.
- (8) The Executive Council shall communicated through the Vice-Chancellor to the Chancellor such action, if any, as it is proposed to take or has been taken upon the result of such inspection or enquiry.
- (9) When the Executive Council does not within a reasonable time, take action to the satisfaction of the Chancellor, the Chancellor may, after considering any explanation furnished or representation made by Executive Council issue such directions as he may think fit and the Executive Council shall be bound to comply with such directions.
- (10) Expenses that may be incurred in connection with such inspection or enquiry and certified as such by the Chancellor, shall be a charge on the University.
- (11) The Chancellor, shall have such other powers as may be conferred on him by or under the provisions of this act.
- (12) The Chancellor as head of the University shall have the power to suspend the activities of the various authorities of the University as

and when circumstances so demand and vest all powers and functions of these authorities in the Chancellor to control the affairs of the authority or authorities so suspended in such manner and for such a period as deemed fit and reasonable by him.

#### **VICE-CHANCELLOR : 8 A (1)**

The Vice-Chancellor shall be appointed by the Chancellor on the recommendation of an Advisory Board constituted by the Chancellor for the purpose and consisting of three members of whom one member shall be elected by the Executive Council, one member shall be nominated by the State Government and one member shall be nominated by the Chancellor. The Chancellor shall appoint one of them as Chairman of the Advisory Board.

- (2) The Advisory Board shall recommend a panel of names of three person to the Chancellor who may appoint one of the persons recommended to be Vice-Chancellor. If the Chancellor does not approve any of the person recommended by the Advisory Board, he may call for a fresh recommendation.
- (3) The Vice-Chancellor shall be a wholetime officer of the University who shall hold office for a period of five years and shall be eligible for re-appointment.
- (4) The Vice-Chancellor shall retire on the date he attains the age of 65 years.
- (5) The emoluments and other terms and conditions of service of the Vice-Chancellor shall be determined by the Chancellor.  
Provided that the salary of the Vice-Chancellor shall not be less than Rs. 2,500 per **menson** including all allowances.
- (6) Whenever there is any temporary vacancy in the office of the Vice-Chancellor by reasons of leave, illness or resignation or other causes, the Chancellor shall make such other arrangement temporarily as he may think fit for exercising the powers and performing the duties of the Vice-Chancellor for such period as deem necessary. The Vice-Chancellor shall determine the emoluments or allowances if any, payable to such a person temporarily appointed to exercise the powers and duties of the Vice-Chancellor.

#### **POWERS & DUTIES OF V.C. : 8 B. (1)**

The Vice-Chancellor shall be the Principal Executive and Academic Officer of the University,' and shall, in the absence of the Chancellor, preside at meetings of the court and any Convocation of the University. He shall be an ex-officio member and Chairman of the Executive Council, the Standing Finance Committee, the Construction Committee, and of the Academic Council and shall be entitled to be present and to speak at any meeting of any authority or other body of the University. When present, he shall preside over all such meetings.

- (2) It shall be the duty of the Vice-Chancellor to ensure that the provisions of this Act, the Statutes, the Ordinances and the Regulations are faithfully observed.
- (3) The Vice-Chancellor shall have power to convene meetings of the Court, the Executive Council, the Academic Council, the Finance Committee, and the Construction Committee.
- (4) In any emergency which, in the opinion of the Vice-Chancellor, requires that immediate action should be taken, the Vice-Chancellor shall take such action as he deems necessary, and shall at the earliest opportunity thereafter report his action to the officer, authority or other body who or which in the ordinary course, would have dealt with the matter.
- (5) When any such action taken by the Vice-Chancellor affects any person in the service of the University, such person shall be entitled to prefer an appeal to the Executive Council through the officer, authority or other body of the University within thirty days from the date on which such action is communicated to him.
- (6) The Vice-Chancellor shall give effect to any order of the Executive Council regarding the appointment, dismissal or suspension of an officer or teacher of the University or regarding the recognition of withdrawal of the recognition of any such teacher and shall exercise general control in the University. He shall be responsible for the discipline of the University.
- (7) The Vice-Chancellor shall exercise such other powers as may be prescribed by the Statutes and Ordinances.

**RECTOR : 8 B**

- (1) The Rector shall be appointed by the Chancellor on the recommendation of the Vice-Chancellor on such emoluments and allowances as may be fixed by the Chancellor. He shall hold office for a term of five years and shall be eligible for re-appointment.
- (2) The Rector shall exercise such powers and perform such duties of the Vice-Chancellor as may, from time to time, be delegated to him by the Vice-Chancellor.

**REGISTRAR : 8 C**

- (1) The Registrar shall be a whole time salaried officer of the University and shall be appointed by the Executive Council on such terms, conditions and remunerations as may be prescribed.
- (2) The term of office of the Registrar shall be for five years but he may be eligible for re-appointment.
- (3) The Registrar shall be the Secretary *ex-officio* of the Court, Executive Council and of the Construction Committee.

Provided that, notwithstanding anything contained in this Act, the Executive Council may, either for special purpose or in general, appoint any other officer of the University as Secretary of any of the said authorities.

- (4) It shall be the duty of the Registrar -
  - (i) To be the custodian of the records, common seal and such other property of the University as the Executive Council shall commit to his charge and to manage such properties ;
  - (ii) To sign and verify all contracts and agreements made on behalf of the University and to act as Secretary of such other Committees as may be prescribed by the Statutes ;
  - (iii) To conduct the official correspondence of the Court and the Executive Council ;
  - (iv) To issue all notices convening meetings of all such committees or Councils or Boards of which he is the Secretary.
  - (v) To arrange for and superintend the examination of the University till such time when the University appoint other officers, if any, for this purpose; and

- (vi) to perform such other work as may, from time to time, be prescribed by the Executive Council.

**TREASURER 8 D :**

- (1) The Treasurer shall be a whole-time salaried officer of the University and shall be appointed by the Executive Council for a period of five years on such terms, conditions and remuneration as may be prescribed. He may be eligible for re-appointment.
- (2) The Treasurer shall exercise general Supervision over the funds of the University and advise in regard to its financial policy.
- (3) Subject to the control of the Executive Council, he shall manage the investments of the University and be responsible for the preparation and presentation of the annual estimates and statements of accounts and for proper maintenance of the accounts.
- (4) Subject to the powers of the executive Council, the Treasurer shall be responsible for ensuring that all moneys are expended for the purposes for which they granted or allotted.
- (5) The Treasurer shall exercise such other powers as may be prescribed by the Statutes and the Ordinances :

Provided that the Chancellor may on the recommendation of the Executive Council in the case of any casual vacancy in the office of the Treasurer, direct that the Registrar shall act as all the powers of the Treasurer, and when any such direction has been made all references to the Treasurer in this Act, the Statutes, the Ordinances and the Regulations shall be deemed to be a references to the Registrar.

**COURT 9 :**

- (1) The Court shall consist of the following persons, namely:

**EX-OFFICIO MEMBERS :**

- (i) The Chancellor
- (ii) The Vice-Chancellor
- (iii) The Rector

- (iv) The Minister of Education of any other State or States, if any, to which the jurisdiction of the University may extend,
- (v) The Registrar
- (vi) The Treasurer
- (vii) The Secretary to the Government of Assam in the Education Department.
- (viii) The Director of Public Instruction, Assam,
- (ix) The Director of Public Instruction of any other State or States, to which the jurisdiction of the University may extend
- (x) The Additional Director of Public Instruction, Assam
- (xi) The Director of Technical Education, Assam
- (xii) The Director of Health Service, Assam
- (xiii) The Director of Agriculture, Assam
- (xiv) The Director of Animal Husbandry and Veterinary, Assam
- (xv) The Principals of Cotton College, Diphu Government College, Assam Engineering College and the Gauhati Medical College.
- (xvi) The Vice-Chancellor of Dibrugarh University and any University in the State.
- (xv) One third of the Principals of Degree Colleges affiliated to the University by election from among themselves in the manner prescribed by the Statutes. In case the number of Degree Colleges affiliated to the University being not divisible by three and found to be more than half, one more College may be included but if it is less than half, it may be ignored,

Assam Govt. decision under section 42C, (vide Education Deptt. Letter No. ECL 80/74/23 dated 5.1.76)

9. (I)

- (xvii) The Principals of Cotton College, Diphu Govt. College, Assam Engineering College and Gauhati Medical College may be excluded as they are automatically members of the Court under clause (xv) of the aforesaid Act.

If the balance is found to be more than  $\frac{1}{2}$ , the number may be raised by one if it is less than  $\frac{1}{2}$ , it may be ignored.

- (xviii) The Principals of the Constituent Colleges
- (xix) 10 persons from the Heads of Departments and Professors of the University being allotted Faculty wise by rotation to be decided by the Executive Council.

#### **OTHER MEMBERS :**

- (xx) Persons not exceeding ten in number nominated by the Chancellor from amongst the donors, each of whom has contributed a sum of rupees five lakhs or more to the University.
- (xxi) Seven persons to be elected by the members of the Assam Legislative Assembly from amongst themselves.
- (xxii) Two members of the Board of Secondary Education, Assam, elected by the aforesaid Board.
- (xxiii) Ten persons of whom at least two shall be from the professional Degree Colleges to be elected by the teachers, other than the Heads of Departments and Professors of the Departments of the University and the Principals of the constituent and affiliated Degree Colleges from amongst themselves.
- (xxiv) Two Registered Graduates elected by the Registered Graduates of the University who are not employees or students of the University or the affiliated Colleges.
- (xxv) Ten persons distinguished in Literature, Law Medicine, Engineering, Technology, Commerce and Public life nominated by the Chancellor.
- (xxvi) Two persons to be nominated by the Chancellor from amongst those whose interests are not otherwise represented.
- (xxvii) (a) Seven representatives to be elected by the Post-Graduate Students of the University from amongst themselves.

Provided that a student to be so elected must have been student of the University for at least one year prior to his election.

Provided further that no student who has taken more than one year in excess of the period prescribed for the course of which he is a student would be eligible for such election.

- (b) Two representatives to be elected by the Law students of the University from amongst themselves.



Provided that a student to be so elected must have been a student of the University for at least one year prior to his election.

Provided further that no student who has taken more than one year in excess of the period prescribed for the course of which he is a student would be eligible for such election.

(2) Save as otherwise provided and except the ex-officio members, all other members shall hold office for a period of three years from the date of their election or nomination, as the case may be :

Provided, however, that no person nominated or elected in his capacity as a member of a particular body or as a holder of a particular appointment shall be a member after he ceases to be a member of that body or holder of that appointment, as the case may be :

Provided further that any member elected or nominated under clause (xxvi) of sub-section (I) shall hold office for a period of one year only from the date of his election or nomination, as the case may be. He shall cease to be a member of the Court on his ceasing to be a student of the University.

- (3) When a person ceases to be a member of the court, he shall cease to be a member of any of the authorities or committees of the University of which he may happen to be a member by virtue of the membership of the Court.
- (4) With the approval of the Court Vice-Chancellor may remove a member, elected under sub-clause (a) and (b) of clause (xxvi) of sub section (I), if he does not fulfil the conditions laid down in the provision therein.

Assam Govt. decision under section 42 C. (vide Education Dept, letter No. ECL 10/74/23 dated 5-1-76).

- 9 (1) (xvii) The Principals of Cotton College, Diphu Govt. College, Assam Engineering College and Gauhati Medical College may be excluded as they are automatically members of the Court under clause (XV) of the aforesaid Act.

If the balance is found to be more than  $\frac{1}{2}$  the member may be raised by one and if is less than  $\frac{1}{2}$ , it may be ignored.

## **MEETING OF THE COURT : 10**

- (1) The Court shall meet at least twice a year on dates to be fixed by the Vice-Chancellor. One of such meetings shall be held in January and shall be called the Annual General meeting. The Court may also meet at such other times as it may, from time to time determine.
- (2) The Vice-Chancellor may, whenever he thinks fit, and shall upon a requisition in writing signed by not less than one-third of the members of the Court, convene a special meeting of the Court.

## **POWERS & DUTIES OF THE COURT : 11**

Subject to the provisions of this Act, the Court shall have the following powers and duties, namely,

- (a) To review, from time to time, the broad policies and programmes, of the University and to suggest measures for the improvements and development of such policies, programmes works and other affairs ;
- (b) To consider the annual report, the annual accounts, the audit report and the statement of the financial estimates, for the ensuing year, to approve the financial estimates, with such comments, if any, to express its views on the annual report and to suggest such measures as it may deem proper on the matters covered by them :
- (c) To approve, with or without modifications, the Statutes submitted by the Executive Council.

Provided that before making any modification to the Statutes submitted by the Executive Council, the Executive Council shall be given an opportunity to consider the modifications proposed by the Court and the Court shall consider the opinion expressed by the Executive Council on such modifications.

## **EXECUTIVE COUNCIL : 12**

12. (1) The Executive Council shall be the Executive body of the University shall consist of the following members.

## **EX-OFFICIO MEMBERS :**

- (i) The Vice-Chancellor,

- (ii) The Rector,
- (iii) The Director of Public Instruction, Assam,
- (iv) The Director of Technical Education, Assam,
- (v) The Director of Health Service, Assam,
- (vi) The Director of Public Instruction, Manipur,
- (vii) The Director of Public Instruction, Arunachal Pradesh,
- (viii) The Chairman, Board of Secondary Education, Assam.

**OTHER MEMBERS :**

- (ix) Two Principals of non-Government affiliated Degree Colleges to be elected from amongst themselves.
  - (x) One Principal of Government affiliated Degree Colleges to be elected from amongst themselves,
  - (xi) Two Heads of Departments, other than Deans of Faculties, of the University who are professors, to be chosen by the Vice-Chancellor by rotation according to seniority for a period of three years.
  - (xii) One Dean of Faculty to be chosen by the Vice-Chancellor from the Dean of Faculties of the University for a Period of three years, by rotation according to Seniority.
  - (xiii) Three members to be elected by the Court from amongst its members at its Annual General Meeting other than employees and students of the University or the affiliated Colleges.
  - (xiv) Two teachers other than a Dean of Faculty of the University and the Principals of the affiliated colleges to be elected by the Academic Council from amongst such teachers who are its members.
  - (xv) There persons of whom at least one shall be a woman to be nominated by the Chancellor, and
  - (xvi) There persons be nominated by the Government
- (2) Save as otherwise provided and except the ex-officio members, all other members shall hold office for a period of three years from the date of their election or nomination, as the case may be :

Provided, however, that no person nominated or elected in his capacity as member of a particular body or as a holder of a particular appointment shall be member after he ceases to be a member of that body or holder of that appointment, as the case may be.

- (3) When a person ceases to be a member of the Executive Council, he shall cease to be a member of any of the authorities of the University of which he may happen to be a member by virtue of his membership of the Executive Council.

**POWERS OF THE EXECUTIVE COUNCIL : 13**

**The Executive Council –**

- (a) Shall hold, control and administer the property and funds of the University and shall appoint a Finance Committee to advise it on matters of finance consisting of six members of whom the Vice-Chancellor shall be the Chairman, the Treasurer shall be the Secretary and the other four members shall be appointed as follows :
  - (i) Two members to be elected by the Executive Council from among its members, and
  - (ii) Two members to be nominated by the Government one from the Finance Department and the other from the Education Department of this Government;
- (b) Shall do all acts appertaining or incidental to the construction of buildings, roads, tanks, pipelines and other structures of the University and for the purpose shall appoint a Construction Committee consisting of seven members of whom the Vice-Chancellor shall be the Chairman, the Registrar shall be the Secretary, the Treasurer, a member and the remaining four members shall be appointed from among the members of the Executive Council with power to co-opt experts as members who shall have no power to vote :

Provided that at least one member of the Committee shall be appointed from amongst the members elected to the Executive Council by the Court :

- (c) Shall determine the form and regulate, the use of the Common Seal of the University ;
- (d) Shall lay before the Government annually a full statement of the financial requirements of the University and the colleges maintained by it ;
- (e) Shall administer funds placed at the disposal of the University for any specific purpose including those given for the purpose of buildings, roads, tanks, pipelines and other structures of the University ;
- (f) Subject to the provisions of this Act and the Statutes shall appoint the officers (other than the Chancellor and the Vice-Chancellor), teachers, the clerical staff and other employees of the University and define their duties and conditions of service and shall provide for the filling up of temporary vacancies ;
- (g) Shall have power to accept, on behalf of the University, bequest, endowments, donations, or transfer of any movable or immovable property ;
- (h) Shall have power subject to Statutes, to recognise or withdraw recognition from a College or Hall not maintained by the University.
- (i) Shall arrange for holding of conducting and publishing the results of the University examination.
- (j) Shall subject to the powers conferred by this Act on the Vice-Chancellor regulate and determine all matters under this Act concerning the University in accordance with this Act, the Statutes and the Ordinances.

Provided that no action shall be taken by the Executive Council in respect to the numbers, qualifications or emoluments of teachers otherwise than in consultation with the Academic Council; and

- (k) Shall exercise all the powers of the University not otherwise provided for.

#### **ACADEMIC COUNCIL - 14 :**

- 14 (1) The Academic Council shall be the academic body of the University and shall, subject to the provisions of this Act, the Statutes and the Ordinances have the control and general regulation of and be responsible for the maintenance of standards of instruction, education, and examination within the University.
- (2) (a) The Academic Council shall consist of the following members.

#### **EX-OFFICIO MEMBERS :**

- (i) The Vice-Chancellor,
- (ii) The Director of Public Instruction,
- (iii) The Director of Technical Education, Assam
- (iv) The Director of Health Services, Assam
- (v) The Deans of Faculties,
- (vi) The Professors of the University,
- (vii) The University Readers who are Heads of Department of Teaching,
- (viii) The Librarian of the University,

#### **OTHER MEMBERS :**

- (ix) Five persons of whom at least one shall be a Principal of a Professional College, elected by the Principals of Colleges, from among themselves.
- (x) Fifteen persons to be elected from among the teachers of the affiliated colleges and of the University of whom at least twelve shall be from the affiliated Colleges.
- (xi) Persons not exceeding three, other than teachers of the University appointed by the Chancellor being persons who by reason of their possessing expert knowledge in subjects named for the purpose by the ex-officio members of the Academic Council are in the opinion of the Chancellor fitted to serve in the Council.
- (xii) Two persons to be elected by the Court, who are not employees or students of the University or the affiliated Colleges and,



- (xiii) One Education Officer of the Board of Secondary Education, Assam to be nominated by the Chairman of the aforesaid Board.
- (b) Save as otherwise provided and except the ex-officio members all other members shall hold office for a period of three years from the date of their election or nomination as the case may be.
- (c) When a person ceases to be a member of the Academic Council he shall cease to be a member of any of the authorities of University of which he may happen to be a member by virtue of his membership of the Academic Council.

#### **POWER OF ACADEMIC COUNCIL : 14**

- A. The Academic Council shall have the following powers, namely :
  - (i) To make proposals to the Executive Council for the Institution of Professorships, Readerships, Lecturerships or other teaching posts, and in regard to the duties and emoluments thereof ;
  - (ii) To Submit to the Executive Council draft Regulations, regarding methods and manner of conducting examinations including setting up of Moderation Boards and to award in accordance with such Regulations, Fellowships, Scholarships, Exhibitions, Medals and other rewards;
  - (iii) To recommend examiners for appointments to be made by the Vice-Chancellor after report from the Faculties concerned;
  - (iv) To control the University Library, to frame Regulations regarding its use, and to appoint a Library Committee under the general control of the Academic Council to manage the affairs of the Library;
  - (v) To assign subjects to the faculties;
  - (vi) To assign teachers to the faculties;
  - (vii) To promote research within the University including the establishment of a Research Council and to require reports on such research from the persons employed thereon;
  - (viii) To provide for the inspection of Colleges and Halls in respect of the instruction and discipline therein and to submit report thereon to the Executive Council;

- (ix) To organise teaching in the University and to control the work of teachers; and
- (x) Such other powers and duties as may be assigned to it under the Statutes.

#### **FACULTIES : 15**

- (1) The University shall include Faculties of Arts, Science, Law, Medicine, Technology, Agriculture, Engineering, Commerce and Indian Fine Arts and such other Faculties as may be prescribed by the Statutes.
- (2) Each Faculty shall, subject to the control of the Academic Council, have charge of the teaching and the courses of study and the research work in such subjects as may be assigned to such Faculty by the Ordinances.
- (3) Each Faculty shall consist of –
  - (i) The Heads of the Departments comprised in the Faculty;
  - (ii) Such teachers of subjects assigned to the Faculty as may be appointed to the faculty by the Academic Council;
  - (iii) Such teachers of subjects not assigned to the Faculty but having, in the opinion of the Academic Council, an important bearing on those subjects, as may be appointed to the Faculty by the Academic Council; and
- (iv) Ten teachers of the affiliated Colleges representing different subjects to be elected from amongst themselves;
 

Provided that a teacher so elected shall hold office for a period of two years from the date of his election.
- (v) Such other persons as may be appointed to the Faculty by the Academic Council on account of their possessing expert knowledge in a subject or subjects assigned to the Faculty.

Provided that total number of members of each Faculty shall not exceed, in the case of the Faculties of Arts and Science, twenty eight and in the case of any other Faculty, 18 (eighteen, except with the sanction of the Chancellor given on the request of the Academic Council.

### **POWERS OF FACULTY 15 (3) (a)**

Subject to the provisions of this Act, each Faculty shall have the following powers, namely –

- (i) To constitute the Committees of Courses and Studies in Departments assigned to it.
  - (ii) To recommend to the academic Council the courses of studies for the different examinations, after consulting the Committees of Courses and Studies;
  - (iii) To recommend to the Academic Council, after consulting the Committees of Courses and Studies, the names of the examiners in subjects assigned to the Faculty.
  - (iv) To recommend to the Academic Council the Conditions for the award of Degrees, Diplomas and other distinctions.
  - (v) Subject to the control of the Academic Council, to organise research in subjects assigned to the Faculty; and
  - (vi) To deal with any other matters referred to by the Academic Council.
4. There shall be a Dean of each Faculty who shall be responsible for the due observance of the Statutes, Ordinances and Regulations relating to the faculty. He shall be the executive Officer of the Faculty and shall preside at its meeting, subject to the provisions of sub-section (I) of section 8 B.
  5. Each Faculty shall comprise such Departments of teaching as may be prescribed by the Ordinances. The Head of every such Department shall be Professor of the Department or, if there is no Professor, the Reader. If there is more than one Professor, or more than one Reader of a Department, the Vice-Chancellor shall appoint to be the Head of the Department such one of the Professors or, if there is no Professor, such one of the Readers as he thinks fit. The Head of the Department shall be responsible to the Dean for the organisation of the teaching in the Department.
  6. The Dean of a Faculty be elected by the Faculty from among the Heads of the Departments of the Faculty and shall hold office for a period of three years.

### **SELECTION COMMITTEE 15 A (1) (a)**

There shall be a Selection Committee for making recommendations to the Executive Council for appointment of Professor, Readers, Lecturers, Registrar, Treasurer, Librarian and other officers of the University as may be provided for by the Statutes consisting of the following members.

- (i) The Vice-Chancellor as Chairman of the Selection Committee.
  - (ii) Three persons not holding any office of profit under the University of whom one nominated by the Chancellor, one to
  - (iii) The Registrar shall be the member Secretary of the Selection Committee except for the Selection Committee of the appointment of Registrar in which case the Vice-Chancellor shall nominate one person as member Secretary in consultation with the Executive Council.
- (b) In making recommendations for the appointment of Professors of the University, the Selection Committee shall co-opt the Head of the Department concerned, if he is a Professor, one Professor of the Department to be nominated by the Vice-Chancellor and two persons not in the services of the University to be nominated by the Executive Council out of a panel of not less than five names of persons recommended by the Academic Council, who have special knowledge of the subject for which the Professor is to be selected.
  - (c) In making recommendations for the appointment of Readers or Lecturers and other teachers of the University, the Selection Committee shall co-opt the Head of the Department concerned, one Professor of the Department to be nominated by the Vice-Chancellor and two persons to be nominated by the Executive Council out of a panel of not less than five names of persons recommended by the Academic Council being persons not connected with the University, who have special knowledge of or interest in the subject for which the Reader or Lecturer is to be selected.

Provided that where the Executive Council proposes to make an appointment otherwise than in order of merit arranged by the Selection Committee the post of Professors, Readers or Lecturers it shall record its reasons in writing and submit them to the Chancellor

who may approve the proposal or return it to the Executive Council for reconsideration. After reconsideration, if the Executive Council desires to pursue its original proposal, it shall refer the matter again to the Chancellor for his decision which shall be final.

Provided further that, where a Selection Committee recommends to the Executive Council the name of one person only and that person is not acceptable to the Executive Council, the Executive Council shall record its reasons in writing for not accepting the recommendation and direct the Registrar to advertise the vacancy again and convene a meeting of the Selection Committee for making fresh recommendation, and in so doing communicate to every member of the Selection Committee the reasons recorded as above.

- (d) Where an appointment is to be made to a temporary vacancy of Teachers of the University, the appointment shall be made, if vacancy is for a period of one year or more, on the recommendation of the Selection Committee in accordance with the provisions of the preceding sub-sections and no ad-hoc appointment shall be made by the Executive Council.
- (2) If a member of the Selection Committee is unable to attend, he may send his opinion in writing to the Vice-Chancellor and such opinion shall be taken into consideration by the Committee in making its recommendations.

Explanation — For the purpose of this Section the co opted members will be deemed to be members of the Selection Committee for the purpose for which they are co-opted.

- (3) If the Executive Council does not accept any of the recommendations of the Selection Committee it shall refer the matter to the Chancellor, stating clearly the reasons for not agreeing with the Selection Committee, and the decision given by the Chancellor thereon shall be final.
- (4) The Executive Council shall constitute one or more Committees for making recommendations to the Executive Council for appointment to other administrative posts and may prescribe by Ordinance the procedure and methods to be followed in making such recommendations.

## STUDENTS ADVISORY COUNCIL 15 B (1)

There shall be a students' Advisory Council which shall consist of the following members, namely ;

- (i) One Chairman to be nominated by the Vice-Chancellor from amongst the teachers of the University.
  - (ii) The Director of students Welfare ex-officio Treasurer,
  - (iii) President, Vice-President and Secretary of the Post-Graduate Students' Union.
  - (iv) President and Secretary of the University Law Students' Union.
  - (v) 10 students from ten affiliated Degree College to be selected by the Executive Council by rotation in the manner to be prescribed by the statutes.
  - (vi) One student from each teaching faculty of the University to be elected as prescribed by the Statutes.
  - (vii) Five students one from each of the five activities mentioned below who have shown outstanding performances in the following activities to be nominated by the Vice-Chancellor, namely :
    - (1) Sports
    - (2) National Service Schemes
    - (3) National Cadet Corps
    - (4) Cultural activities
    - (5) National Discipline Scheme
  - (viii) Four lady Students to be nominated by the Vice-Chancellor.
  - (ix) The Directors of Sports and Physical Education, if any.
  - (x) The members of the Students' Advisory Council shall elect from amongst themselves the Secretary of the Council.
- (2) The term of office of the members of the Students' Advisory Council other than ex-officio members shall be one year.
- (3) The quorum to constitute a meeting of the Students' Advisory Council, the rules of procedures and conduct of business to be followed at a meeting, the period within which a meeting shall be called and such other matter shall be prescribed by the Statutes :

Provided that no student shall be eligible to be or continue to be a member of the Students' Advisory Council unless he is enrolled as a student or after he attains the age of twentyfive years. A student member shall cease to be such member if he fails to pass at the next University Examination.

- (4) The functions of the Students' Advisory Council shall be as follows namely :
  - (i) To make recommendations to the Executive Council and the Academic Council in the matters effecting the students corporate life of the University in so far as it concerns the students and the Co-curricular and extra-curricular activities in the University and the Degree Colleges affiliated to the University.
  - (ii) All rules effecting discipline, welfare, sports, Literary, Management of Hostels, students Home, extension work, social work, students' health National Service Scheme. N.C.C. etc. shall be placed before the Students' Advisory Council for its views before any decision is taken by the Executive Council.
  - (iii) The Vice-Chancellor or any authority of the University may ask for the views of the Students' Advisory Council on any matter concerning the Welfare of students.
  - (iv) The Chairman of the Students' Advisory Council shall be the Authority to decide whether a matter does or does not concern the students.
  - (v) The Students' Advisory Council shall frame its own rules of business and shall submit the same to the Executive Council for consideration and approval.

#### **OTHER BODIES : 16**

The constitution, powers and duties of such other Authorities as may be declared by the Statutes shall be provided for in the manner prescribed by the Statutes.

#### **BOARDS : 17**

- (1) The University shall include a Residence, Health and Discipline Board and such other Boards as may be prescribed by the Statutes.

- (2) The constitution, powers and duties of the Residence, Health and Discipline Board and of all other Boards of the University shall be prescribed by the Ordinances.

#### **HIGH SCHOOL : 18**

The University shall exercise no authority over High Schools of the State or other schools of the State except in so far as it may accept or not except the State School Leaving Certificate or any other certificate as equivalent of the Matriculation in regard to the standard attained and to the subjects presented.

Provided that the University shall have jurisdiction over the High Schools and High Madrasas in Assam till such time as all schools in Assam are brought under a separate Board of Secondary Education.

#### **MATRIC : 19**

The University shall have the right to hold a Matriculation Examination for the admission of the students to the University or to its affiliated colleges without regard to any school Examinations held by the Government or any other authority.

Provided that no student shall be required to appear in the Matriculation Examination if he has passed the final examination conducted by the Board of Secondary Education.

#### **AUDIT OF ACCOUNT : 20**

- (1) The accounts of the University shall, once at least in every year and at the intervals of not more than fifteen months, be audited by the Examiner, Local Accounts, Assam.
- (2) The accounts when audited shall be published in the Official Gazette and a copy of the accounts together with the Report of the Examiner, Local Accounts, shall be submitted to the Chancellor.

#### **STATUTES : 21**

Subject to the provisions of this Act, the Statutes may provide for all any of the following matters, namely :

- (a) The conferment of honorary Degrees;
- (b) The Institution of Fellowships, Scholarship, Exhibitions and prizes;
- (c) The terms of office, the method of appointment and the conditions of service of the officers of the University;
- (d) The designation and the powers of the officers of the University;
- (e) The constitution, powers and duties of the authorities of the University;
- (f) The institution of Colleges and Halls and their maintenance;
- (g) The condition for affiliation by the Executive Council of Colleges and Halls not maintained by the University and for withdrawals of such affiliation in consultation with the Government.

Provided that no statute relating to the management of Colleges and Halls and condition of services of employees, shall apply to the Government Colleges and Government Aided Colleges in respect of which the respective Government of Assam, Manipur and Arunachal Pradesh under whose territorial jurisdiction the Colleges are situated, shall make necessary rules in consultation with the University, No new Degree Colleges shall be given permission or affiliation by the University without the prior concurrence of the respective Government of Assam, Manipur and Arunachal Pradesh, Permission and affiliation of new Pre-University College in Manipur and Arunachal Pradesh may be given by the University with the prior concurrence of the respective Government of Manipur and Arunachal Pradesh and that the Executive Council shall have no jurisdiction to permit and affiliate new Pre-University class or College within the State of Assam.

Provided further that the Executive Council shall have jurisdiction over affiliation of existing Pre-University Section of Degree Colleges and existing Pre-University Colleges having Pre-University Examinations till within the State of Assam and conduct the Pre-University Examinations till such time the Government, by Notification in the Official Gazette, appoint and vest all such powers of the Executive Council to the "Board of Secondary Education, Assam".

- (h) the consultation of Pension, Insurance and Provident Funds for the benefit of the Officers, Teachers, Electrical Staff and servants of the University.
- (i) The maintenance of a register of registered graduates; and
- (j) All matters which by this Act are to be or may be prescribed by the Statutes.

#### **STATUTES HOW MADE : 22. (1)**

Subject to the provisions of this Act and with the approval of the Court, the Executive Council may make Statutes for the purpose of carrying out the provisions of this Act, and in respect of all matters after which are required to be or may be provided for by Statutes.

- (2) The draft Statutes or draft amendments may be approved or amended or rejected by the Court in the manner hereinafter provided.

Provided that no draft Statutes or draft amendments to Statutes with financial implication shall be amended without further reference to the Executive Council.

- (3) Every draft of Statutes proposed by the Executive Council shall be submitted to the Court for consideration. Such draft shall be considered by the Court at its next meeting. The Court may pass the Statute or may amend it or may return the Statute to the Executive Council for re-consideration.
- (4) Any draft of a Statute proposed by the Executive Council and rejected by the Court shall be submitted to the Chancellor who may refer in back to the Court for reconsideration.
- (5) Every Statute passed by the Court shall be submitted to the Chancellor who may give or withhold his consent or refer it back to the Court for reconsideration.
- (6) A Statute passed by the Court shall have no validity until it has been assented to by the Chancellor.
- (7) Any member of the Court may propose to the Executive Council the draft of any Statutes; and the Executive Council shall submit such proposed draft to the Court with its comments.



## ORDINANCES : 23

Subject to the provisions of this Act, and the Statutes, the Executive Council may frame ordinances to provide for all or any of the following matters, namely.

- (a) The admission of students to the University and their enrolment as such.
- (b) The courses of study to be laid down for all degrees and diplomas of the University;
- (c) The conditions under which the students shall be admitted to the degree and diploma courses and the examinations of the University and shall be eligible for the Degrees and Diplomas.
- (d) The conditions of residence of the student of the University.
- (e) The affiliations of Colleges and recognition of the Hostels
- (f) The qualifying attendance required in the various courses.
- (g) The extension of University teaching in any suitable centre within the State by means of University extension lectures or others.
- (h) The emoluments and conditions of service of teachers of the University.
- (i) The fees to be charged for study in the University and for admission to the examinations, degrees and diplomas of the University.
- (j) The formation of Departments of teaching in the Faculties.
- (k) The constitution powers and duties of the Boards of the University.
- (l) The conduct of examinations; and
- (m) All matters which by this Act or the Statutes are to be or may be provided by the Ordinances.

## ORDINANCES HOW MADE : 24 (1)

Save as otherwise provided, ordinances shall be framed by the Executive Council :

### Provided that :

- (i) No Ordinance shall be made effecting the conditions of residence of students, except after consultation with the Residence, Health and Discipline Board, and

- (ii) No ordinance shall be made —
  - (a) Affecting the admission or enrolment of students or prescribing examinations to be recognised as equivalent to the University examinations or prescribing the further qualifications mentioned in subsection (2) of section 28 for admission to the Degree Courses of the University, or
  - (b) Affecting the conditions, mode of appointment or duties examiners or the conduct or standard of examinations or any course of study, unless a draft of such Ordinance has been proposed by the Academic Council.
- (2) The Executive Council shall not have power to amend any draft proposed by the Academic Council under the provision of subsection (1) but may reject it or return it to the Academic Council for reconsideration either in whole or in part, together with any amendment which the Executive Council may suggest.
- (3) Such of the draft Ordinances proposed by the Academic Council as are rejected by the Executive Council under sub-section (2) shall be placed by the Executive Council with its comments before the Chancellor whose decisions shall be final.

## REGULATIONS : 25 (1)

The authorities of the University may make Regulations consistent with this Act, the Statutes and the Ordinances –

- (a) Laying down the procedure to be observed at their meeting and the number required to form a quorum.
  - (b) Providing for all the matters which by this Act, the Statutes and the Ordinances are to be prescribed by Regulations and
  - (c) Providing for all other matters solely concerning such authorities and not provided for by this Act, the Statutes and the Ordinances.
- (2) Every authority of the University shall make Regulations Providing for the giving of notice to the members of such authority, of the dates of meeting and the business to be considered at the meetings, and for the keeping of record of the proceedings of the meetings.
- (3) The Executive Council may direct the amendment, in such manner as it may specify, of and Regulation under this section or the annulment of any Regulation made under sub-section (1).

## **COLLEGES : 26**

- (1) The Colleges shall be such as may be named in the Statutes.
- (2) The conditions of residence in the Colleges shall be prescribed by the Ordinances, and every College shall be subject to inspection by any member of Residence, Health and Discipline Board authorised in this behalf by the Board and by any Officer of the University authorised in this behalf by the Executive Council.

## **HALLS : 27**

- (1) The Halls shall be such as may be maintained by the University or approved or recognised by the Executive Council on such grounds and conditions as may be prescribed by the Ordinances.
- (2) The Wardens and the Superintending staff of the Halls be appointed in the manner prescribed by the Statutes.
- (3) The conditions of residence in the Halls shall be prescribed by the Ordinances and every Hall shall be subject to inspection by any member of the Residence, Health and Discipline Board and by any Officer of the University authorised in this behalf by the Executive Council.
- (4) The Executive Council shall have power to suspend or withdraw the recognition of any Hall which is not conducted in accordance with the conditions prescribed by the Ordinances.

## **ADMISSION TO COURSES : 28**

- (1) Admission of students to the University shall be made by an Admission Committee (including at least one principal) appointed for that purpose by the Academic Council.
- (2) Students shall not be eligible for admission to a course of study for degree unless they have passed the Intermediate Examination of an Indian University incorporated or constituted by any law for the time being in force, or an examination recognised in accordance with the provisions of this section as equivalent to such examination and possesses such further qualifications, if any as may be prescribed by the Ordinances. Any such qualification may be tested by examinations;

Provided that, during a period of five years from the commencement of this Act and such further period as the Chancellor may direct, any students who has passed the Matriculation Examination of any such University or any examination recognised in accordance with the provisions of this section as equivalent thereto, and possesses such further qualifications as may be prescribed by the Ordinance, may be deemed eligible for admission to the University. any such qualifications may be tested by examinations.

## **EXAMINATIONS : 29**

- (1) Subject to the provisions of this Act, and of the Statutes, all arrangements for conduct of examinations shall be made by the Academic Council in such manner as may be prescribed by this Act and the Ordinances.
- (2) If, during the course of the examinations, any examiner is for any cause incapable of acting as such, the Vice-Chancellor shall appoint an examiner to fill the vacancy and shall report the appointment to the Faculty concerned and Academic Council.
- (3) At least one examiner who is not a teacher or other person in the service of the University or a College, shall be appointed for each subject included in a Department of teaching and forming part of the Course which is required nor a University Degree.
- (4) The Academic Council shall appoint Examination Committees consisting of members of its own body or of other persons or of both, as it thinks fit, to moderate examination questions to moderate and prepare the results of the examinations and to report such results to the Executive Council through the Academic Council for publication.

## **ANNUAL REPORT : 30**

The Annual Report of the University shall be prepared under the direction of the Executive Council and shall be submitted to the Court on or before such date as may be prescribed by the Statutes and shall be considered by the Court as its annual meeting. The Court may pass resolutions and communicate the same to the Executive Council.

## **ANNUAL ACCOUNTS : 31**

- (1) The annual accounts and balance sheet of the University shall be prepared under the direction of the Executive Council and shall be submitted to the Chancellor for the purpose of audit.
- (2) The accounts when audited shall be published by the Executive Council in the Assam Gazette, and copies thereof shall, together with copies of the audit report, if any, be submitted to the Court and the Chancellor. The Executive Council shall also submit to the Court, on or before such date as may be prescribed by the Statutes, a statement of the Financial estimates for the ensuing year.
- (3) The annual accounts and the financial estimates shall be considered by the Court at its annual meeting, and the Court may pass resolutions thereon and communicate the same to the Executive Council.

## **EXPLANATIONS & REMOVAL FROM COURT OR E.C. 32**

- (1) If a member of the Court or the Executive Council of the University remains absent without sufficient reason from the two successive meetings of the Executive Council, as the case may be the Chancellor may call upon that member to offer within a reasonable time such explanations as he may desire to offer.
- (2) If a member of the Court or the Executive Council when called upon by the Chancellor to offer explanation fails to offer any explanation or gives an explanation which, in the opinion of the Chancellor, is unsatisfactory, the Chancellor may remove such member from office.

## **DISPUTE ON MATTERS OF ELECTION OR APPOINTMENT TO AUTHORITIES ETC. 33**

If any question arises whether any person has been duly elected or appointed as, or is entitled to be, a member of any authority or other body of the University, the matter shall be referred to the Chancellor whose decision thereon shall be final.

## **PROCEEDINGS : 34**

No act of proceeding of any authority or other body of the University shall be invalidated merely by reason of the existence of a vacancy or vacancies among its members.

## **APPEAL : 35**

An appeal in respect of a dispute arising out of a contract between the University and any Officer or Teacher of the University shall be preferred in the case of a dispute between an Officer or Teacher and an authority of the University other than the Executive Council, to the Executive Council and in respect of a dispute between an Officer or Teacher and the Executive Council, to the Chancellor. as the case may be, may either dispose of the appeal or may refer it to a Board of Arbitration. The constitution of any terms of reference to the Board of Arbitration shall be such as may be prescribed by the Statute. The decision of the Board of Arbitration shall be final and no suit shall lie in any Civil Court in respect of the matters decided by the Board.

## **PENSIONS, INSURANCE AND PROVIDENT FUNDS : 36**

The University shall constitute, for the benefit of its all employees, in such manner and subject to such conditions as may be prescribed by the Statutes, such Pensions, Insurance and Provident Funds as it may deem fit.

- (2) Where such a Provident Fund has been so constituted, the Government may, notwithstanding anything contained in the Provident Fund Act, 1925, by notification in the Official Gazette, declare that the provisions of the Contributory Provident Fund Rules (Assam) 1936, shall apply to such Provident Fund of the University as if it were a Government Provident Fund.

## **RECURRING GRANTS : 37**

The Government shall, for the purpose of this Act, contribute annually to the University a sum of not less than forty lakhs of rupees to meet the recurring charges of the University. All contribution, made under this section shall be charged to the revenues of the State.



### **SPECIAL PROVISION : 38**

If any difficulty arises with respect to the establishment of the University or in connection with the first meeting of any authority of the University or in connection with the holding of the first examinations of the University and publishing results thereof or otherwise in first giving effect to the provisions of this Act, the State Government may, at any time before all the authorities of the University have been constituted by order make any appointment or do anything, consistent so far as may be with the provisions of this Act and the Statutes, which appears to it necessary or expedient for the purpose of removing the difficulty and every such order shall have effect as if such appointment or action had been made or taken in the manner provided in this Act.

Deleted 39, 40 & 41 (deleted by the Amendment Act of 1960)

### **INSPECTION BY STATE GOVT. : 42**

- (1) (a) The State Government shall have for reasons to be recorded in writing the right to cause an inspection to be made, by such person or persons as it may direct, of the University, its buildings, laboratories, libraries, museums, press establishment, workshop and equipment and of any institution maintained by the University and of all activities than purely academic activities of the University and to cause an enquiry to be made into the income, expenditure, assets and liabilities of the University.
- (b) The State Government shall in every case give notice to the University of its intention to cause inspection or enquiry to be made.
- (2) The State Government shall communicate to the Executive Council its views with reference to the results of such inspection or enquiry and may, after ascertaining the opinion of the Court and the Executive Council thereon, advise the University upon the action to be taken.
- (3) The Executive Council shall report to the State Government the action, if any, which is proposed to be taken or has been taken to give effect to the advice of the State Government. Such report shall be submitted with the opinion of the Court thereon within such time as the State Government may direct.

- (4) The State Government may, after considering the report referred to in sub-section (3) advise the University to take such further action, if any, as in the opinion of the State Government is necessary, and the Executive Council and the Court shall take or cause such action to be taken within the time specified in such advice in that behalf.

### **SUSPENSION OF POWERS : 42**

42. A (1) If at any time it appears to be necessary and expedient in the opinion of the State Government, the State Government may with the prior consultation with the Chancellor by a notification published in the Official Gazette, suspend all or any of the powers of the University as prescribed in section 5 of the Gauhati University Act and other powers as may be ancillary to such powers of management, functions of such authorities or offices including holding conduct and superintendence of and arrangement and appointment of any person or authority in connection with any or more examinations or publication of the result of any such examination or examinations or to any matter incidental thereto for such period as may be specified in the notification and may be exercised by the State Government if and when necessary during such period, in such manner and through such officers or authority as may be considered fit by the State Government.
- (2) The provisions of the Statutes, Ordinance and Regulations framed under this Act relating to any one or more preceding sub-section may be amended for any of the purpose mentioned therein in such manner as may be decided by the State Government with the prior consultation with the Chancellor and shall take effect accordingly for the purposes of exercising the powers under the preceding sub-section.
- (3) The State Government may constitute an Advisory Committee consisting of at least 3 persons who, in the opinion of the State Government are eminent educators for advising the State Government in the matter of discharging the powers, duties, functions and responsibilities in respect of which such powers are taken over by the State Government under sub-section (1) of this Section.

- (4) All actions taken under the preceding sub-sections and all examinations held and all results of any such examinations published and all other actions taken under this Section shall be deemed to have been taken, held or published in accordance with the provisions of this Act and shall take effect accordingly.
- (5) If for exercising the powers under the preceding sub-section any difficulty arises in giving effect to any one or more of the Statutes, Ordinances and Regulations framed there under the State Government may in consultation with the Chancellor by order remove such difficulty as may appear to be necessary for the purpose of exercising those powers.

**SAVING G.U. (AMENDMENT) ACT, 1975) : 42**

42, B. Notwithstanding anything contained in this Act any decision given, order made, anything done any action taken or any proceedings commenced under any of the provisions of the Act or Rules, Statutes, Regulations in force immediately before the commencement of this shall, in so far as they are not inconsistent with the provision of this Act, continue in force and shall be deemed to have been given, made, done or taken, commenced under the provision of this Act.

INTERPRETATION, [G.U. (Amendment) ACT, 1975]

42, C. If any dispute arises as to the interpretation of any of the provisions of this Act, the interpretation given by the State Government shall be final and binding to all concerned.

**TRANSITORY PROVISIONS : 43**

43, Notwithstanding anything contained in this Act.

- (1) The Vice-Chancellor appointed under the provisions of the Principal Act and exercising any powers and functions immediately before the commencement of this Act shall continue to held office as such and exercise such powers and functions, not inconsistent with the provisions of this Act, till the expiration of his term of Vice-Chancellor under the provisions of the Principal Act.
- (2) All Committees except the Development Committee, Boards and other Bodies constituted and all acts done or purported to have been done in exercise of the powers given by and under the

provisions of the Statutes set out in the Schedule with all modifications thereof to the Principal Act shall be deemed to have been constituted or done, as the case may be, under Statutes made by the appropriate authority of the University.

- (3) The Court, the Executive Council and the Academic Council constituted under the provisions of the Principal Act, and exercising any functions immediately before the commencement of this Act shall continue to exercise such functions until the corresponding Court are constituted in accordance with the provisions of the Principal Act, [as amended by this Act, (1960)].

Provided that for the purpose of such constitution of the Court, the Executive Council and the Academic Council the State Government may appoint for such constitution a date in consultation with the Chancellor and the Vice-Chancellor not later than this Act (1960).

- (4) The *Development Committee* Constituted and exercising any functions under the provisions of the Principal Act immediately before the commencement of this Act 1960 shall continue to exercise such function until the Committee is constituted under the provisions of the Principal act as amended by this Act (1960) and until it makes over charge to the Executive Council for the time being functioning under the provisions of the Principal Act as amended by this Act (1960).
- (5) All debts and obligations incurred, all contracts entered into, all matters and things engaged to be done by with or for the Development Committee in exercise of its duties and powers before the commencement of Gauhati University amendment Act, 1960 shall upon such commencement be deemed to have been incurred, entered into, or engaged to be done by, with or for the University; and all suits and other legal proceeding instituted or which might but for the dissolution of the Development Committee may be continued or instituted by or against the University.

**Note :** The section 43 was added by the Gauhati University (Amendment) Act of 1960, but is of transitory nature. The following transitory sections of the Gauhati University (Amendment) Act, 1955 may also be noted :

## TRANSITORY PROVISION :

“16, Notwithstanding anything contained in this Act. -

- (1) The arrangements made by the Chancellor for carrying on the duties of the Vice-Chancellor under the provisions of the Principal Act shall continue till a Vice-Chancellor is appointed under the provisions of the Principal Act as amended by this Act.
- (2) Untill the constitution of the Court and the Executive Council respectively Under sections 9 and 12 of the Principal Act as amended by this Act, the Court and the Executive Council constituted under the provisions of the Principal Act and functioning immediately before the commencement of this Act shall be deemed to be the Court and the Executive Council constituted under the provisions of the Principal Act and functioning immediately before the commencement of this Act shall be deemed to be the Court and the Executive Council under these sections and shall continue to function as such :

Provided that the Government shall appoint a date not later than six months from the date of commencement of this Act of this constitution of the Court and the Executive Council under the provisions of the Principal Act as amended by this Act.

17. (1) The Gauhati University (Second Amendment) Ordinance; 1965 repealing the Gauhati University (Amendment) Ordinance of 1965 is hereby repealed.
- (2) Notwithstanding such repeal anything done or any action taken under the Ordinances as repealed shall be deemed to have been done or taken under this Act as if this Act had commenced in Nineteenth day of July, 1965 (the date of coming into force of the Gauhati University (Amendment) Ordinance, 1965).

## GOVERNMENT OF ASSAM

ORDERS BY THE GOVERNOR  
LEGISLATIVE DEPARTMENT

### NOTIFICATION

*The 26th September 1978*

No. LGL. 219/78/23 The following Ordinance made and promulgated by the Governor of Assam is published for general information.

### ASSAM ORDINANCE NO. II OF 1978 THE GAUHATI UNIVERSITY (AMENDMENT) ORDINANCE, 1978.

### AN ORDINANCE FURTHER TO AMEND THE GAUHATI UNIVERSITY ACT, 1947

PREAMBLE, Whereas it is expedient further to amend the Gauhati University Act. 1947, hereinafter called the Principal Act, in the manner here appearing;

(Assam Act XVI of 1947)

And whereas the Legislature of the state of Assam is not in session;

And whereas the Governor of Assam is satisfied that circumstances exist render it necessary for him to take imediate action;

Now, therefore, in exercise of the powers conferred by Clause (1) of Article 213 of the Constitution of India, the Governor of Assam is pleased to promulgate in the Twenty-ninth year of the Republic of India the following Ordinance, namely :

### SHORT TITLE AND COMMENCEMENT :

- (1) This Ordinance may be called the Gauhati University (Amendment) Ordinance, 1978.
- (2) It shall come into force with immediate effect.

**AMENDMENT OF SECTION 21 OF ASSAM  
ACT XVI OF 1947.**

- (1) In the first proviso, towards the end, the portion beginning with the words “No new Degree Colleges” and ending with the words “within the State of Assam” shall be substituted by the words. No new Pre University or Degree shall be given permission or affiliation or no such college shall be given permission or affiliation by the University to introduce new subject or faculty without prior concurrence of the respective Government of Assam, Manipur or Arunachal Pradesh”;
- (ii) The second proviso shall be substituted by the following; namely – “Provision further that the respective State Government of Assam, Manipur or Arunachal Pradesh may as any time vest the existing powers of the Executive Council of the University of conducting Pre-University Examination in the Board of Secondary Education, if any of the State with effect from such date as may be notified by the State Government concerned”.

**L. P. Singh**

Dated the 25th September, 1978

Governor of Assam

পঞ্জীভুক্ত নম্বৰ ৭৬৮/৯৭

Registered No. 768/97

অসম  ৰাজপত্ৰ

**THE ASSAM GAZETTE**

অসাধাৰণ

EXTRAORDINARY

প্ৰাপ্ত কৰ্তৃত্বৰ দ্বাৰা প্ৰকাশিত

PUBLISHED BY THE AUTHORITY

নং 215 দিশপুৰ, বৃহস্পতিবাৰ, 30 মে, 2013 9 জেঠ, 1935 (শক)

No. 215 Dispur, Thursday, 30th May, 2013, 9th Jaistha, 1935 (S.E.)

GOVERNMENT OF ASSAM

ORDERS BY THE GOVERNOR

LEGISLATIVE DEPARTMENT :: LEGISLATIVE BRANCH

**NOTIFICATION**

The 30th May, 2013

No. LGL.133/2012/5- The following Act of Assam Legislative Assembly which received the assent of the Governor is hereby published for general information

Assam Act No. XIII of 2013

(Received the assent of the Governor on 20th May, 2013)

THE GAUHATI UNIVERSITY (AMENDMENT) ACT, 2013

## AN ACT

Preamble	further to amend the Gauhati University Act, 1947 Whereas is expedient further to amend the Gauhati University Act, 1947, herein after referred to as the principal Act, in the manner herein after appearing	Assam Act No. XVI of 1947
	It is hereby enacted in the Sixty-fourth year of the Republic of India, as follows :	
Amendment of Section 36 Insertion of Section 36A	1. (1) This Act may be called the Gauhati University (Amendment) Act, 2013. (2) It shall have the like extent as the Principal Act.  (3) It shall come into force at once.  2. In the Principal Act, in section 36, in the marginal note and in sub-section (1) the word and punctuation mark 'pension', shall be deleted.  3. In the principal Act, after section 36, the following new section 36A shall be inserted, namely :	
Pension and Family Pension	36A (1) The existing permanent employees of the University, both teaching and non- teaching who have entered service before 1-2-2005, shall be eligible for pension on their retirement from the service of the University with effect from the 1st day of April, 2013.	

Provided that these employees of the University who entered service before 1-2-2005 and who have expired before coming into force of this Act shall be entitled to receive family pension under the provision of this Act.

Provided further that those employees of the University who have entered service on or after 1-2-2005 shall be covered under the new Pension Scheme introduced by the State Government.

(2) The University shall regulate the matter regarding implementation and payment of pension and family pension to their employees by such Authority as may determined by the University.

Provided that granting and eligibility of pension shall be guided by the Assam Service (Pension) Rules, 1969.

(3) Pension under this section shall include Superannuation pension and Family pension only and does not include Gratuity

Insertion of new section 44  
4. In the Principal Act, after section 43, the following new section 44 shall be inserted, namely.

'University to maintain teaching and non-teaching staff ratio

44. (1) The University shall establish and maintain the teaching and non - teaching staff ratio at 1 : 1.5 progressively. In order to establish this teaching and non-teaching staff ratio the University shall not appoint any non-teaching employee afresh against sanctioned vacant post and also shall not initiate for re-employment of any retired persons upon their retirement without taking prior approval of the State Government.

(2) The University shall not take any decision or adopt any new rule or scheme which may involve further outflow of fund from the State Exchequer.'

MOHD. ABDUL HAQUE  
Commissioner and Secretary to the Government of Assam,  
Legislative Department.



# THE GAUHATI UNIVERSITY ACT, 1947\*


(Assam Act XVI of 1947)

## CONTENTS

### Preamble

### Section

1. Short title and commencement.
2. Definitions.
3. Constitution, succession and purposes.
4. University open to all classes, castes and creeds.
5. Powers of the University.
6. Teaching of the University.
7. Authorities and officers of the University.
8. The Chancellor
- 8-A. The Vice-Chancellor.
- 8-B. Powers and duties of the Vice-Chancellor.
- 8-BA. Rector.
- 8-C. The Registrar.
- 8-D. The Treasurer.
9. The Court.
10. Administration.
11. Powers and duties of the Court.
12. The Executive Council.
13. Powers and duties of the Executive Council.
14. The Academic Council.

  
পঞ্জীয়ক  
অসম বিশ্ববিদ্যালয়, গুৱাহাটী-১৬  
Registrar  
Gauhati University, Guwahati-14

- 14-A. Powers of the Academic Council.
- 15. The Faculties.
- 15-A. Selection Committee.
- 15-B. Student's Advisory Council.
- 16. Other authorities of the University.
- 17. The University Boards.
- 18. Authority over High Schools.
- 19. Matriculation Examination.
- 20. Audit of Accounts.
- 21. Statutes.
- 22. Statutes.
- 23. Ordinances.
- 24. Ordinances how made.
- 25. Regulations.
- 26. Colleges.
- 28. Admission in University Courses.
- 29. Examinations.
- 30. Annual Report.
- 31. Annual Account.
- 32. Removal of Members of the Court and Executive Council for continued absence.
- 33. Disputes as to constitution of University Authorities and Bodies.
- 34. Proceedings not invalidated by vacancies.
- 35. Arbitration.
- 36. Pension and Provident Fund.
- 37. Annual contribution from Government.
- 38. Removal of difficulties.



39. Development Committee and its duties.
40. Powers of Development Committees.
  
41. The Estimate and Audit of Account of the Development Committee.
42. Power of State Government for inspection.
- 42-A. Suspension of the powers of the University by the State Government.
- 42-B.
- 42-C. Interpretation.
43. Saving.

\* Published in the "Assam Gazette" of the 22<sup>nd</sup> October, 1947.

GAUHATI UNIVERSITY  
GUWAHATI-14.

PSC  
7/4/98

M. C. Sarma

NOTIFICATION

No. M/98/16 Date: 3.4.98

It is notified for information of all concerned that the Vice-Chancellor is pleased to constitute the Post-Graduate Correspondence School Board of the University with the following members for a period of 3(three) years with effect from the date of Notification or till the remain in University Service whichever is earlier.

(PGCSB)

- |     |   |                         |
|-----|---|-------------------------|
| 1.  | Prof. B.P. Chetia                         | Hony. Director          |
| 2.  | Prof. Srinath Baruah (Economics)          | Principal Co-Ordinator  |
| 3.  | Dr. K. Das (Russian Language)             | Asstt. Co-Ordinator     |
| 4.  | Joint Controller of Examinations          | Examinations Supervisor |
| 5.  | Dr. (Mrs) Sakiya Khan (Economics)         | Member                  |
| 6.  | Sri Dipankar Benerjee (History)           | "                       |
| 7.  | Mrs. Aparna Bhattacharyya (English)       | "                       |
| 8.  | Dr. (Mrs) Alaka Sarma (Political Science) | "                       |
| 9.  | Dr. (Mrs) Dipti Chukon (Assamese)         | "                       |
| 10. | Dr. I. K. Choudhury (Bengali)             | "                       |
| 11. | Sri Pradip K. Jain (MBA)                  | "                       |
| 12. | Sri Padma Lochan Hazarika (Commerce)      | "                       |
| 13. | Dr. Girish Sarma (Philosophy)             | "                       |
| 14. | Dr. (Ms.) Kuntala Patra (Mathematics)     | "                       |
| 15. | Dr. Thanoswar Sarma (Sanskrit)            | "                       |
| 16. | Sri Dilip Kumar Medhi (Hindi)             | "                       |
| 17. | Sri Jagat Swargiary (Education)           | "                       |
| 18. | Academic Registrar, G.U.                  | "                       |
| 19. | Dy. Treasurer, G.U.                       | "                       |

- |     |                                    |               |
|-----|------------------------------------|---------------|
| 20. | Dr. Rovipil Dev Gorman             | English       |
| 21. | Prof. Anuradha Dutta               | Political Sci |
| 22. | Dr. M. P. Bezbaruah                | Economics     |
| 23. | Prof. Saiten Bharali               | Assamese      |
| 24. | Prof. Nandoram Das                 | Mathematics   |
| 25. | Dr. Priyam Goswami                 | History       |
| 26. | Prof. Subrat Sarma                 | Philosophy    |
| 27. | Prof. S. Sekhar                    | Commerce      |
| 28. | <del>Registrar</del> Registrar III |               |

M. C. SARMA,  
Registrar,  
Gauhati University, Guwahati-14



# POST GRADUATE CORRESPONDENCE SCHOOL GAUHATI UNIVERSITY

Gopinath Bordoloi Nagar, Guwahati - 781014, Assam

Website : www.pgcsгу.org

Tel: (0361)2673728, 2676791, 2676804

Fax : (0361) 257388

Dr. Kandarpa Das

E-Mail : kandarpa4@rediffmail.com; director@pgcsгу.org

Director

Memo No. 1

PGCS/Dir/2008/8/9529-81

Date: 29/3/08

The Academic Registrar  
Gauhati University

Sub: Recommendation of the Board of Management, PGCS, GU

Sir,

This is to inform you that a meeting of the Board of Management of the Post Graduate Correspondence School, Gauhati University was held on March 25, 2008 to make recommendation to the Academic Council regarding change of PGCS nomenclature. I am forwarding herewith the minutes and recommendations of the meeting. Kindly place the matter before the next meeting of the Academic Council for its kind approval.

With regards

Yours faithfully

(Kandarpa Das)

  
Registrar  
Gauhati University, Guwahati-78

- |  |                            |
|--|----------------------------|
| 1. Director  | - Chairman                 |
| 2. Head of concerned academic department           | - Member                   |
| 3. Coordinator of concerned programme              | - Member                   |
| 4. One Professor of the concerned department       | - to be co-opted as member |
| 5. PGCS faculty members of the concerned programme | - Member                   |

  
(Kandarpa Das)  
Director, PGCS



**POST GRADUATE CORRESPONDENCE SCHOOL, GAUHATI UNIVERSITY**  
**Minutes of the Board of Management meeting held on 25-03-2008**

**Members Present:**

1. Prof. Hemanta Kumar Baruah, Dean, Faculty of Science
2. Prof. Umesh Deka, Dean, Faculty of Arts
3. Prof. A. K. Bhagabati, Registrar, GU
4. Dr. J. Dutta, Academic Registrar
5. Sri B. Chakraborty, Treasurer, GU
6. Prof. Priyam Goswami
7. Prof. Kuntala Patra
8. Prof. Manisha Baruah
9. Sri Abhijit Bora
10. Dr. Bilkis Bano
11. Dr. Uttara Debi
12. Dr. Manoj Kumar Choudhury
13. Dr. Achyut Sarma
14. Dr. A. R. Dutta
15. Dr. Sikhari Sarma
16. Sri Ridip Dev Choudhury
17. Sri K. Alom Borbora
18. Sri Apurba Kumar Deka
19. Sri Prasenjit Das
20. Dr. Kandarpa Das, Director, PGCS


**Resolution No. 1**

The Director, PGCS placed before the members a proposal to change the present nomenclature of the Post Graduate Correspondence School, Gauhati University into a more up to date one. The correspondence education which began its mission in India in the sixties has transformed itself into distance & open learning along with the rest of the world. Over the last ten years the PGCS also has been practicing not correspondence education but distance and open education in reality. Therefore, the name of the Institution should reflect its real activities. Moreover, the Distance Education Council, New Delhi has been advising PGCS to change its present nomenclature with a more modern name. In view of the above, the Board after threadbare discussion resolved to recommend to the Academic Council to change the nomenclature of the Post Graduate Correspondence School, Gauhati University as **"INSTITUTE OF DISTANCE AND OPEN LEARNING, GAUHATI UNIVERSITY" (IDOL, GU)** with immediate effect.

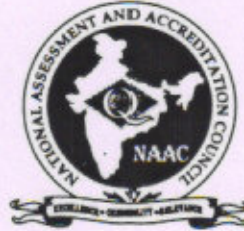
**Resolution No. 2**

The Board of Management, PGCS also resolved to recommend to the Academic Council for constitution of a separate Board of Studies to make recommendation to the Academic Council regarding curriculum, evaluation and other academic matters of the Post Graduate Correspondence School with the following members:

- |  |                            |
|--|----------------------------|
| 1. Director, PGCS, GU                              | - Chairman                 |
| 2. Head of the concerned academic department       | - Member                   |
| 3. Coordinator of the concerned programme          | - Member                   |
| 4. One Professor of the concerned department       | - to be co-opted as member |
| 5. PGCS faculty members of the concerned programme | - Member                   |

  
(Kandarpa Das)  
Director, PGCS





## **NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL**

An Autonomous Institution of the University Grants Commission  
Ministry of Human Resource Development, Government of India  
P. O. Box 1075, Nagarbhavi, Bangalore-560 072, India.  
Phone: +91-80-23005100, 23210261 - 65, Fax: +91-80-23210268/23210270

### Provisional Certificate of Accreditation

*The Executive Committee of the  
National Assessment and Accreditation Council*

*on the recommendation of the duly appointed*

*Peer Team is pleased to declare the*

*Gauhati University*

*Gopinath Bardoloi Nagar, Guwahati, Assam as*

*Accredited*

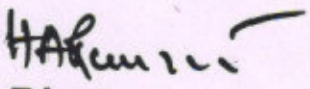
*with CGPA of 2.91 on four point scale*

*at B grade*

*valid up to March 27, 2015*

  
পঞ্জীয়ক  
গোহাটী বিশ্ববিদ্যালয়, গোহাটী-১৪  
Registrar  
Gauhati University, Guwahati-14

**EC Date : March 28, 2010**

  
**Director**

## Home page of Gauhati University



APPLICATION STATUS  
**IIQA APPROVED**

approved on 16 Dec 2017



PAYMENT STATUS  
**PAID**

paid on 30 Nov 2017



LAST LOGIN DETAILS  
**28 Apr 2018**

From: 47.29.222.250



CLARIFICATION

No Clarification

## Important Dates

For Universities

Last Date for SSR Submission : 28-02-2018

## Alerts and Notification

The application for 3rd cycle of accreditation by NAAC was submitted by Gauhati University in Dec, 2017 / Jan 2018.

Certified that this page is the screenshot of the relevant webpage confirming the application submission status of Gauhati University.

  
28/4/18  
DIRECTOR, GUIDOL  
DIRECTOR  
IDOL, GAUHATI UNIVERSITY

  
28/4/18  
REGISTRAR, G.U.  
পরিচালক  
গুৱাহাটী বিশ্ববিদ্যালয়, গুৱাহাটী-১৪  
Registrar  
Gauhati University, Guwahati-14

**This is to inform that the SSR submitted by you for NAAC accreditation is in the**



*Data Verification and Validation (DVV) process. During this process, the DVV team may ask clarification regarding the data claim made in your SSR. The data templates for extended profile are available in the NAAC website. You may please download the same and fill in the templates. Please host this filled-in templates on your institutional website (you may protect the file with password if desired). Upon the prompt of DVV clarifications, share the link of the filled-in templates with the DVV team in reply (with password, if any) to the clarification.*

- *Online Payment facility is enabled for SSR(Self Study Report) Payment*
- *Please upload student details in the prescribed format for Student Satisfaction Survey. Click [Here](https://assessmentonline.naac.gov.in/public/index.php/hei/conduct_survey) to Visit the page (https://assessmentonline.naac.gov.in/public/index.php/hei/conduct\_survey)*

---

### Institution Details

TRACK ID: ASUNGN10051


Institution Type	University
Current Cycle	Cycle 3
Previous Cycle	Cycle 2
Previous Grade	B

Copyright © 2017 naac.gov.in (<http://www.naac.gov.in/>). All rights reserved.

### Assessment Timeline of Gauhati University

06 July 2017


 You applied for registration ⌚ 6:33 PM

 NAAC Team verified your email and accepted registration ⌚ 2:36 PM

21 July 2017

 You started preparing IIQA ⌚ 2:41 PM

30 November 2017

 You completed and submitted IIQA for verification ⌚ 6:40 PM

18 December 2017


 NAAC Team verified and approved your IIQA ⌚ 2:45 PM

SSR link has been opened for preparation

16 January 2018

 You completed and submitted SSR for verification ⌚ 6:15 PM

Ⓞ Certified that this is the screen-shot of Assessment Timeline/Progress of application for 3rd cycle of NAAC accreditation submitted by Gauhati University.

  
28/1/18  
DIRECTOR  
GAUHATI UNIVERSITY  
DIRECTOR, GUIDOL

  
28/1/18  
REGISTRAR  
GAUHATI UNIVERSITY  
Gauhati University, Guwahati-781005



**Additional Note in connection with Application submitted by Gauhati University  
Institute of Distance and Open Learning (GUIDOL) for Recognition of  
HEI/Programme under UGC (ODL) Regulations, 2018**

**Part A: (Step 1)**

NAAC Accreditation "valid upto" dropdown menu contains year from 2016 onwards, but in case of Gauhati University, NAAC accreditation was valid upto 2015 (please refer Annexure at the part C of the application form) and the process of NAAC assessment and accreditation for Cycle 3 is going on. Being out of options, we have indicated 2016 as year to which, the last accreditation of Gauhati University was valid. **This may please be treated as 2015.** G.U. has in the meantime submitted fresh application to NAAC for accreditation. The application was submitted in Dec 2017/January 2018 and visit of the peer team is scheduled in May 2018.

**Part A: (Step 4)**

Master of Computer Applications (MCA) is not currently offered in regular mode of Gauhati University, though similar programmes are in offered by different regular department in this University in regular mode. M.Sc (Computer Science), M.Sc (Information Technology) & M.Tech (IT) are offered through regular department and the syllabi are quite similar to the MCA programme that has been proposed to offer.


**Part A (Step 5)**

In the format provided for entering the data on Learner Support Centres (LSC), there is a point namely "Whether the College/Institute is Private or Govt. (Where LSC is established)". In our case, there are 5 (five) Learner Support Centres which are situated at public funded Colleges which are neither fully Government nor fully Private. Therefore, the status is filled up as "Non Provincialised". The names of the Colleges are given below.

1. Rangia T. T. College, Rangia
2. Barpeta B.T. College, Barpeta
3. Dhamdhama Anchalic College, Nalbari
4. Thamna Anchalic College, Thmana
5. Murazar College, Nagaon

In addition to the above, the details on faculty positions could not be incorporated in the online application form.

- I. Assistant Professor in Economics (Interview was held on 14.09.2017, recruitment will be done soon)
- II. Academic Consultants in Philosophy, Bodo, History and Mathematics are advertised and to be recruited soon.

  
28/4/2018  
**DIRECTOR, GUIDOL**  
DIRECTOR  
IDOL, GAUHATI UNIVERSITY

  
28/4/18  
**REGISTRAR, GU**  
পঞ্জীয়ক  
স্বাধীনতা বিশ্ববিদ্যালয়, গুৱাহাটী-১৬  
Registrar  
Gauhati University, Guwahati-14



**ACADEMIC CALENDAR**  
**Gauhati University Institute of Distance and Open Learning**  
**Guwahati- 781014, Assam**

<b>ADMISSION</b>			
<b>SEMESTER (TRADITIONAL PROGRAMME)</b>			
A	1	Fresh	July-September
	2	Continuation	July-September
<b>SEMESTER (IT PROGRAMMES)</b>			
B	1	Fresh	July-September
	2	Continuation	Odd Semester (July-September) Even Semester (January-February)
<b>ADMISSION TEST FOR M.Sc. IT PROGRAMME</b>			
C	August		
<b>ANNUAL PROGRAMMES</b>			
D	1	Fresh	July-September
	2	Continuation	July- September
<b>DISTRIBUTION OF SLM</b>			
<b>SEMESTER/ANNUAL (TRADITIONAL PROGRAMMES)</b>			
A	1	Fresh	July-October
	2	Continuation	July-October
<b>SEMESTER (IT PROGRAMMES)</b>			
B	1	Odd Semester	July-October
	2	Even Semester	Jan-March
<b>CONTACT CLASSES</b>			
<b>SEMESTER (TRADITIONAL PROGRAMMES)</b>			
A	1	Odd Semester	September-December
	2	Even Semester	March-June
<b>SEMESTER (IT PROGRAMMES)</b>			
B	1	Odd Semester	September-December
	2	Even Semester	March-June
<b>ANNUAL PROGRAMME</b>			
C	1	Previous	December-May
	2	Final	December-May
<b>EXAMINATION : TERM END</b>			
<b>SEMESTER (TRADITIONAL/IT)</b>			
A	1	Previous	July-August (All Sundays)
	2	Final	July-August (All Sundays)
<b>ANNUAL</b>			
August-September (All Sundays)			
B	Schedule may change as per directive of the controller of Examination, GU/Govt. of Assam		







**GAUHATI UNIVERSITY  
MEETING OF THE EXECUTIVE COUNCIL**

**Proceedings of the 7<sup>th</sup> Meeting (Emergent) of the Executive Council of Gauhati  
University of the Year 2017 on 15.09.2017 at G.U. Guest House Conference  
Room**

**Any Other Business:**

- vi. **Matter regarding the approval of the list of PPR ( Programme Project Report) of 29 programmes and list of SLM (Self Learning Materials) to be offered in 'Distance Mode' :**

The Council discussed the matter regarding the approval of the list of PPR ( Programme Project Report) of 29 programmes to be offered in 'Distance Mode' and list of SLM (Self Learning Materials) in light of the Minutes of the Advisory Board Meeting of Gauhati University Institute of Distance and Open Learning held on 14.09.2017 and resolved the following:

**Resolution No. R/EC-07/2017/62(vi)**

Resolved that the list of PPR ( Programme Project Report) of 29 programmes (List -I) to be offered in 'Distance Mode' and list of SLM (Self Learning Materials) prepared for each programme (List-II) by the Gauhati University Institute of distance and Open Learning (GUIDOL) be approved.

**(S.K. Nath)  
Registrar & Ex-officio Secretary  
Executive Council**

**(Mridul Hazarika)  
Vice-Chancellor & Chairman  
Executive Council**



**GAUHATI UNIVERSITY**  
**INSTITUTE OF DISTANCE AND OPEN LEARNING**

**Minutes of the Advisory Board Meeting held on 14.09.2017**

**Venue: VC's Conference Room, Gauhati University**

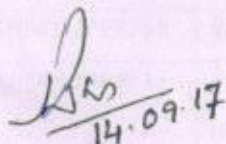
**Members present:**

1. Dr. Mridul Hazarika, Vice Chancellor, GU, Chairperson
2. Prof. Hari Prasad Sarma, Rector, Gauhati University
3. Prof. P.J. Das, Director, GUIDOL
4. Prof. Bhaskarijyoti Bora, Dean, Faculty of Commerce, G. U.
5. Dr. Suresh Kumar Nath, Registrar, GU
6. Mr. Dwijendra Nath Sarma, Finance Officer, GU
7. Dr. Ridip Dev Choudhury, Assistant Professor, GUIDOL
8. Mr. Goutam Sarma, Assistant Director (Evaluation)
9. Sri Gitartha Goswami, Assistant Director (Admin), GUIDOL.

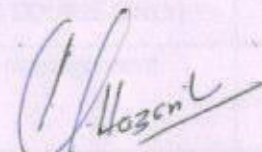
**The following decisions / resolutions were adopted at the meeting**

The list of PPR (Programme Project Report) of 29 programmes (List-I) to be offered in 'Distance Mode' and list of SLM's (Self Learning Materials) prepared for each programme (List-II) by Gauhati University was placed in the meeting.

The Advisory Board of Gauhati University IDOL approved the PPR's and SLM's and resolved to forward the detailed PPR's and SLM's to the Gauhati University Executive Council for its approval.

  
14.09.17

(Prof. Pranab Jyoti Das)  
Director, GUIDOL



(Dr. Mridul Hazarika)  
Vice Chancellor, GU

**GAUHATI UNIVERSITY**  
**INSTITUTE OF DISTANCE AND OPEN LEARNING**

**(LIST-I)**

**STATEMENT OF PPR (PROGRAMME PROJECT REPORT)**

<b>Sl. No.</b>	<b>PPR ID</b>	<b>Name of the Programme</b>	<b>No. of Page</b>
1	GU/GUIDOL/PPR/01	Masters of Arts (M.A.) in Assamese	25
2	GU/GUIDOL/PPR/02	Masters of Arts (M.A.) in English	21
3	GU/GUIDOL/PPR/03	Masters of Arts in Economics/Master of Science in Economics	28
4	GU/GUIDOL/PPR/04	Masters of Arts (M.A.) in History	36
5	GU/GUIDOL/PPR/05	Master of Arts in Political Science	19
6	GU/GUIDOL/PPR/06	Masters of Arts in Mathematics / Master of Science in Mathematics	38
7	GU/GUIDOL/PPR/07	Master of Commerce (M.Com)	41
8	GU/GUIDOL/PPR/08	Masters of Arts (M.A.) in Philosophy	26
9	GU/GUIDOL/PPR/09	Masters of Arts (M.A.) in Bengali	13
10	GU/GUIDOL/PPR/10	Masters of Arts (M.A.) in Bodo	15
11	GU/GUIDOL/PPR/14	Post Graduate Diploma in Computer Application (PGDCA)	18
12	GU/GUIDOL/PPR/15	Masters of Arts (M.A.) in Mass Communication	38
13	GU/GUIDOL/PPR/19	Master of Science (M.Sc.) in Information Technology (M.Sc-IT)	25
14	GU/GUIDOL/PPR/21	Master of Computer Application (MCA)	29
15	GU/GUIDOL/PPR/22	Masters of Arts (M.A.) in Nepali	21
16	GU/GUIDOL/PPR/23	Bachelor of Computer Application (BCA)	28
17	GU/GUIDOL/PPR/24	B.Sc. in Information Technology (B.Sc.-IT)	28
18	GU/GUIDOL/PPR/38	Masters of Arts (M.A.) in Education	22
19	GU/GUIDOL/PPR/39	Master of Arts (M.A.) in Sanskrit	34
20	GU/GUIDOL/PPR/18	Post Graduate Diploma in Banking & Financial Services (PGDBFS)	12

Sl. No.	PPR ID	Name of the Programme	No. of Page
21	GU/GUIDOL/PPR/13	Post Graduate Diploma in Business Management (PGDBM)	13
22	GU/GUIDOL/PPR/16	Post Graduate Diploma in Financial Management (PGDFM)	12
23	GU/GUIDOL/PPR/12	Post Graduate Diploma in Human Resource Management (PGDHRM)	13
24	GU/GUIDOL/PPR/17	Post Graduate Diploma in Insurance Management (PGDIM)	13
25	GU/GUIDOL/PPR/11	Post Graduate Diploma in Sales & Marketing Management (PGDSMM)	14
26	GU/GUIDOL/PPR/51	Three years Bachelor of Commerce (B.Com.) [General or Pass course only]	5
27	GU/GUIDOL/PPR/50	Three Years Bachelor of Arts (B.A.) [General or Pass course only]	5



পঞ্জীয়ক  
 গুৱাহাটী বিশ্ববিদ্যালয়, গুৱাহাটী-১৪  
 Registrar  
 Gauhati University, Guwahati-14





**GAUHATI UNIVERSITY  
MEETING OF THE EXECUTIVE COUNCIL**

**Proceedings of the 7<sup>th</sup> Meeting (Emergent) of the Executive Council of Gauhati  
University of the Year 2017 on 15.09.2017 at G.U. Guest House Conference  
Room**

**Any Other Business:**

- vi. **Matter regarding the approval of the list of PPR ( Programme Project Report) of 29 programmes and list of SLM (Self Learning Materials) to be offered in 'Distance Mode' :**

The Council discussed the matter regarding the approval of the list of PPR ( Programme Project Report) of 29 programmes to be offered in 'Distance Mode' and list of SLM (Self Learning Materials) in light of the Minutes of the Advisory Board Meeting of Gauhati University Institute of Distance and Open Learning held on 14.09.2017 and resolved the following:

**Resolution No. R/EC-07/2017/62(vi)**

Resolved that the list of PPR ( Programme Project Report) of 29 programmes (List -I) to be offered in 'Distance Mode' and list of SLM (Self Learning Materials) prepared for each programme (List-II) by the Gauhati University Institute of distance and Open Learning (GUIDOL) be approved.

**(S.K. Nath)  
Registrar & Ex-officio Secretary  
Executive Council**

**(Mridul Hazarika)  
Vice-Chancellor & Chairman  
Executive Council**



**GAUHATI UNIVERSITY**  
**INSTITUTE OF DISTANCE AND OPEN LEARNING**

**Minutes of the Advisory Board Meeting held on 14.09.2017**

**Venue: VC's Conference Room, Gauhati University**

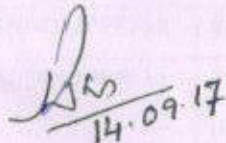
**Members present:**

1. Dr. Mridul Hazarika, Vice Chancellor, GU, Chairperson
2. Prof. Hari Prasad Sarma, Rector, Gauhati University
3. Prof. P.J. Das, Director, GUIDOL
4. Prof. Bhaskarijyoti Bora, Dean, Faculty of Commerce, G. U.
5. Dr. Suresh Kumar Nath, Registrar, GU
6. Mr. Dwijendra Nath Sarma, Finance Officer, GU
7. Dr. Ridip Dev Choudhury, Assistant Professor, GUIDOL
8. Mr. Goutam Sarma, Assistant Director (Evaluation)
9. Sri Gitartha Goswami, Assistant Director (Admin), GUIDOL.

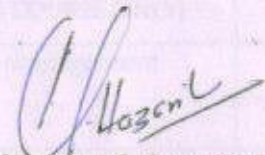
**The following decisions / resolutions were adopted at the meeting**

The list of PPR (Programme Project Report) of 29 programmes (List-I) to be offered in 'Distance Mode' and list of SLM's (Self Learning Materials) prepared for each programme (List-II) by Gauhati University was placed in the meeting.

The Advisory Board of Gauhati University IDOL approved the PPR's and SLM's and resolved to forward the detailed PPR's and SLM's to the Gauhati University Executive Council for its approval.

  
14.09.17

(Prof. Pranab Jyoti Das)  
Director, GUIDOL



(Dr. Mridul Hazarika)  
Vice Chancellor, GU



**GAUHATI UNIVERSITY**  
**INSTITUTE OF DISTANCE AND OPEN LEARNING**

**(LIST-II)**  
**STATEMENT OF SLM (Self Learning Materials)**

Sl No	SLM ID	Programme	No of SLM
1.	GU/GUIDOL/SLM/01	M.A. in ASSAMESE	26
2.	GU/GUIDOL/SLM/02	M.A. in ENGLISH	20
3.	GU/GUIDOL/SLM/03	M.A./M.Sc in ECONOMICS	18
4.	GU/GUIDOL/SLM/04	M.A. in HISTORY	20
5.	GU/GUIDOL/SLM/05	M.A. in POLITICAL SCIENCE	16
6.	GU/GUIDOL/SLM/06	M.A./M.Sc in MATHEMATICS	24
7.	GU/GUIDOL/SLM/07	M.Com (COMMERCE)	25
8.	GU/GUIDOL/SLM/08	M.A. in PHILOSOPHY	16
9.	GU/GUIDOL/SLM/09	M.A. in BENGALI	16
10.	GU/GUIDOL/SLM/10	M.A. in BODO	16
11.	GU/GUIDOL/SLM/15	M.A. in MASS COMMUNICATION	10
12.	GU/GUIDOL/SLM/19	M.Sc in IT	18
13.	GU/GUIDOL/SLM/21	MASTER IN COMPUTER APPLICATION (MCA)	23
14.	GU/GUIDOL/SLM/22	M.A. in NEPALI	16
15.	GU/GUIDOL/SLM/38	M.A. in EDUCATION	22
16.	GU/GUIDOL/SLM/39	M.A. in SANSKRIT	32
17.	GU/GUIDOL/SLM/23	BACHELOR IN COMPUTER APPLICATION (BCA)	22
18.	GU/GUIDOL/SLM/24	B.Sc in INFORMATION TECHNOLOGY ( B.Sc-IT)	22
19.	GU/GUIDOL/SLM/50	BACHELOR OF ARTS ( GENERAL OR PASS COURSE ONLY)	22
20.	GU/GUIDOL/SLM/51	BACHELOR OF COMMERCE ( GENERAL OR PASS COURSE ONLY)	22
21.	GU/GUIDOL/SLM/11	Post Graduate Diploma in Sales and Marketing Management (PGDSMM)	6
22.	GU/GUIDOL/SLM/12	Post Graduate Diploma in Human Resource Management (PGDHRM)	6
23.	GU/GUIDOL/SLM/13	Post Graduate Diploma in Business Management (PGDBM)	6



GAUHATI UNIVERSITY

24.	GU/GUIDOL/SLM/14	Post Graduate Diploma in Computer Application (PGDCA)	6
25.	GU/GUIDOL/SLM/16	Post Graduate Diploma in Finance Management (PGDFM)	6
26.	GU/GUIDOL/SLM/17	Post Graduate Diploma in Insurance Management (PGDIM)	6
27.	GU/GUIDOL/SLM/18	Post Graduate Diploma in Banking and Finance Services (PGDBFS)	6

*Approved in the GUIDOL Advisory Board meeting*

*[Signature]*  
14-09-17

*[Signature]*  
14-09-17


DIRECTOR  
GUIDOL, GAUHATI UNIVERSITY

পঞ্জীয়ক  
গোহাটী বিশ্ববিদ্যালয়, গোহাটী-১৪  
Registrar  
Gauhati University, Guwahati-14

**FORMAT - A**  
**Format for providing details of teaching staff (faculty) engaged for ODL**  
**Programmes on full time and dedicated basis**

**Academic Staff**

Sr. No	Name of the permanent academic staff	Designation	Name of ODL programme	Appointment letter reference number and date	Working at (Headquarter/Regional Centre/Study Centre)
1	Dr. Apurba Kumar Deka	Assistant Professor	M.A. in Assamese B.A. (General)	PGCS/GenEst/13/2008/4001-4008 dated 28.01.2008	Headquarter
2	Dr. Ridip Dev Choudhury	Assistant Professor	M.Sc IT, MCA, BCA, B.Sc-IT, PGDCA	PGCS/GenEst/13/2008/4001-4008 dated 28.01.2008	Headquarter
3	Dr. Khurshid A Borbora	Assistant Professor	M.Sc IT, MCA, BCA, B.Sc-IT, PGDCA	PGCS/GenEst/13/2008/4001-4008 dated 28.01.2008	Headquarter
4	Dr. Barnalee Choudhury	Assistant Professor	M.A. in Political Science, BA (General)	IDOL/Officer-Counselor/26/2008/522-25 dated 29.05.2008	Headquarter
5	Dr. Swapnanil Gogoi	Assistant Professor	M.Sc IT, MCA, BCA, B.Sc-IT, PGDCA	IDOL/GenEst/13/2009/6229-6233 dated 19.11.09	Headquarter
6	Ms. Pallavi Saikia	Assistant Professor	M.Sc IT, MCA, BCA, B.Sc-IT, PGDCA	GU/IDOL/AC/1/2016/0077-84 dated 04.04.2016	Headquarter
7	Mr. Hemanta Kalita	Assistant Professor	M.Sc IT, MCA, BCA, B.Sc-IT, PGDCA	GU/IDOL/AC/1/2016/0019-26 dated 04.04.2016	Headquarter
8	Dr. Rita Chakraborty	Assistant Professor	M.Sc IT, MCA, BCA, B.Sc-IT, PGDCA	GU/IDOL/AC/1/2016/0002-10 dated 04.04.2016	Headquarter
9	Ms. Jonaki Dutta	Assistant Professor	M.A. in Political Science, BA (General)	GU/IDOL/AC/1/2016/0035-42 dated 04.04.2016	Headquarter

  
 Registrar  
 Gauhati University, Guwahati-14



Sr. No	Name of the permanent academic staff	Designation	Name of ODL programme	Appointment letter reference number and date	Working at (Headquarter/Regional Centre/Study Centre)
10	Dr. Chayanika Sarma	Assistant Professor	M.A. in Political Science, BA (General)	GU/IDOL/AC/1/2016/0001-08 dated 04.04.2016	Headquarter
11	Dr. Manoja Kumar Nayak	Assistant Professor	M.A. in Education, BA (General)	GU/IDOL/AC/1/2016/2979-2986 dated 21.03.2016	Headquarter
12	Mr. Rajen Chetry	Assistant Professor	M.Com, B.Com (General), PGDBM, PGDHRM, PGDBFS, PGDFM, PGDSMM, PGDIM	GU/IDOL/AC/1/2016/2987-2994 dated 21.03.2016	Headquarter
13	Mr. Alakesh Das	Assistant Professor	M.A. in Mass Communication, PGDJMC	GU/IDOL/AC/1/2016/3002-3009 dated 21.03.2016	Headquarter
14	Mr. Dalim Ch. Das	Assistant Professor	M.A. in English, BA (General)	GU/IDOL/AC/1/2014/1128-1134 dated 09.06.2014	Headquarter

  
 পঞ্জীয়ক  
 গুৱাহাটী বিশ্ববিদ্যালয়, গুৱাহাটী-১৪  
 Registrar  
 Gauhati University, Guwahati-14

**FORMAT - B**

**Format for providing details of administrative staff engaged for ODL programmes on full time and dedicated basis**

**Administrative Staff**

Sr. No	Name of the Administrative Staff	Designation	Appointment order	Works at (Headquarter/Regional Centre/Study Centre)
1	Mr. Gitartha Goswami	Assistant Director	GU/Estt/OCR/IDOL/10/67-67 dated 21.06.2010	Headquarter
2	Mr. Goutam Sarma	Assistant Director (Evaluation)	GU/Estt/OCR/IDOL/Asstt.Direc/2013/1591 dated 14.05.2013	Headquarter
3	Mr. Dipankar Saikia	Editor (Study Materials)	GU/Estt/OCR/IDOL/Asstt.Direc/2013/1598 dated 14.05.2013	Headquarter
4	Mr. Chandan Saikia	System Analyst	GU/Estt/OCR/IDOL/10/2017/1898 dated 03.07.2017	Headquarter
5	Dr. Rabindra Sarma	P.A. to the Director	IDOL/12(A)/2015/2054-58 dated 04.03.2015	Headquarter
6	Mr. Ratul Bora	O/S, General Service & Maintenance	PGCS/13/2004/8915-8926 dated 19.07.2004	Headquarter
7	Mr. Manab Kashyap	O/S, Accounts	PGCS/13/2004/8915-8926 dated 19.07.2004	Headquarter
8	Mr. Tarun Baishya	O/S, Study Materials	PGCS/13/2004/8915-8926 dated 19.07.2004	Headquarter

  
Registrar  
Gauhati University, Guwahati-14





असम ASSAM

D 211110

Sl. No... 136..... Date 26/4/18

INSTRUMENT NOTORISED



### AFFIDAVIT

I, DR. MRIDUL HAZARIKA Vice Chancellor of Gauhati University do hereby solemnly affirm and declare as under.

1. That our university namely GAUHATI UNIVERSITY wish to apply for the recognition of programmes to be offered under Open and Distance Learning mode with effect from the academic session 2018-19 beginning in July, 2018.
2. I have fully understood the clauses, terms and conditions as stipulated in the University Grants Commission (Open and Distance Learning) Regulations, 2017 along with two amendments thereon notified on 11.10.2017 and 06.02.2018.
3. That university has submitted the proposal as per the University Grants Commission (Open and Distance Learning) Regulations, 2017 and its amendments as mentioned in para 2 above.

*Laxmi Sharma*  
NOTARY  
Laxmi Sharma  
Regd. No. KAM 19

26 APR 2018

*Mridul Hazarika*  
Vice Chancellor  
GAUHATI UNIVERSITY  
GUWAHATI-781014

4. That university has submitted the proposal ONLINE through the designated portal and is also submitting duly certified three hard copies of the same proposal along with all the annexures, within the specified period, to UGC.
5. That university is eligible in all respect to apply for offering education through open and distance learning mode as per UGC (ODL) Regulations, 2017 and its amendments as mentioned in para 2 above.
6. It is also declared that academic and instructional facilities at its Regional Centres and Learning Support Centres (Study Centres) meet all the conditions of UGC (ODL) Regulations, 2017, its amendments as mentioned in para 2 above and guidelines issued from time to time, and are commensurate with the number of academic programmes and learner's strength thereto. It is also declared that these are as per the other applicable Regulations of UGC.
7. That the University has been offering education through open and distance learning mode with the approval of UGC/erstwhile DEC and has not violated any of the terms and conditions as stipulated in the approval / recognition letter No. F. No. 3-1/2016 (DEB-V) dated 12 September, 2016 and norms issued by the relevant/concerned statutory bodies from time to time.
8. That the university shall scrupulously abide by UGC (ODL) Regulations, 2017 and its amendments as mentioned in para 2 above while imparting education through open and distance learning mode after getting the approval of UGC.
9. That all the information given by the university in the proposal submitted to UGC is complete, true and correct.
10. That I am fully aware of the consequences, if the University fails to abide by UGC (ODL) Regulations, 2017 and its amendments as mentioned in para 2 above.

Vice-Chancellor  
GAUHATI UNIVERSITY  
GUWAHATI-781014



*L. Sharma*  
NOTARY  
Laxmi Sharma  
Regd. No. KAM 19  
26 APR 2018



11. That I am fully aware that in case any information, documentary evidence submitted/produced by the University is found to be false or fake at a later stage or in case of any violation, the recognition of University shall be withdrawn and UGC may also take other punitive measures mentioned in UGC (ODL) Regulations, 2017 and its amendments a mentioned in para 2 above. I am also fully aware that it is the sole responsibility of the University for the career consequences of students, if any, arising out of the same.



*Arindam Hazarika*

26 APR 2018

DEPONENT  
Solemnly Affirmed & Identified  
Before me on Identification  
Vice-Chancellor  
GAUHATI UNIVERSITY  
GUWAHATI-781014

Verification:

*L. Sharma*  
Laxmi Sharma  
Notary, Kamrup (M)  
Regd. No. KAM 19  
26 APR 2018

I, the above named deponent do hereby verify on April 26, 2018 at GUWAHATI that the contents mentioned above are correct and true statements.

Identified by  
*Poninela Sarma*  
Adv. Ghye

*Arindam Hazarika*



DEPONENT  
Vice-Chancellor  
GAUHATI UNIVERSITY  
GUWAHATI-781014

Solemnly Affirmed & Identified  
Before me on Identification

*L. Sharma*  
Laxmi Sharma  
Notary, Kamrup (M)  
Regd. No. KAM 19

*L. Sharma*  
NOTARY  
Laxmi Sharma  
Regd. No. KAM 19

20 APR 2018

26 APR 2018

## PPR INDEX

SI No	PPR ID	Name of the Programme	No of Pages
1	GU/GUIDOL/PPR/50	Bachelor of Arts (B.A.) [General Course]	5
2	GU/GUIDOL/PPR/51	Bachelor of Commerce (B.Com.) [General Course]	5
3	GU/GUIDOL/PPR/23	Bachelor of Computer Application (BCA)	28
4	GU/GUIDOL/PPR/24	Bachelor of Science (Information Technology)	28
5	GU/GUIDOL/PPR/07	Master of Commerce (M.Com)	41
6	GU/GUIDOL/PPR/21	Master of Computer Application (MCA)	29
7	GU/GUIDOL/PPR/19	Master of Science (M.Sc.) in Information Technology (M.Sc-IT)	25
8	GU/GUIDOL/PPR/03	Master of Science in Economics	28
9	GU/GUIDOL/PPR/06	Master of Science in Mathematics	38
10	GU/GUIDOL/PPR/01	Masters of Arts in Assamese	25
11	GU/GUIDOL/PPR/09	Masters of Arts in Bengali	13
12	GU/GUIDOL/PPR/10	Masters of Arts in Bodo	15
13	GU/GUIDOL/PPR/03	Masters of Arts in Economics	28
14	GU/GUIDOL/PPR/38	Masters of Arts in Education	22
15	GU/GUIDOL/PPR/02	Masters of Arts in English	21
16	GU/GUIDOL/PPR/04	Masters of Arts in History	36
17	GU/GUIDOL/PPR/15	Masters of Arts in Mass Communication	38
18	GU/GUIDOL/PPR/06	Masters of Arts in Mathematics	38
19	GU/GUIDOL/PPR/22	Masters of Arts in Nepali	21
20	GU/GUIDOL/PPR/08	Masters of Arts in Philosophy	26
21	GU/GUIDOL/PPR/05	Masters of Arts in Political Science	19
22	GU/GUIDOL/PPR/39	Masters of Arts in Sanskrit	34

**GAUHATI UNIVERSITY**  
**INSTITUTE OF DISTANCE AND OPEN LEARNING (GUIDOL)**

**PROGRAMME PROJECT REPORT (PPR)**

**PPR ID :** GU/GUIDOL/PPR/50 (Total no. pages : 5 )

**Programme:** Three Years Bachelor of Arts (B.A.) [General or Pass course only]

**1. Programme mission and objective:**

The mission of the Programme is “to enable learners to learn and retain a broad base of knowledge in the various domains of Social Sciences.” In the ODL mode, the Gauhati University Institute of distance and open learning (IDOL) proposes to offer BA programme in all the undergraduate courses offered by Gauhati University in the regular mode in the affiliated colleges. More specifically the subjects offered will be a combination of three subjects from amongst Assamese (Elective), Bodo, Bengali, Political Science, Education, History, Economics, Philosophy, Sanskrit, Hindi, sociology. Additionally the learners shall have to appear Assamese and other vernacular language in lieu of as well as Communicative English for one semester. No Major courses shall be offered at present.

***Objectives of the Programme:***

- *To give learners a broad based and multidisciplinary academic foundation;*
- *To offer learners wide knowledge in the humanities and Social Sciences for better job opportunities.*
- *To enable the learners to develop social analytical skills and participate in liberating peoples and communities from all forms of bondage.*
- *To acquaint learners who wish to teach, and handle social responsibilities in private and public enterprises.*



## **2. Relevance of the programme with HEI's mission and goals:**

Gauhati University was established in 1948 with a mission to revitalize educational leadership, to set the standard for the production and dissemination of knowledge as well as to become an effective instrument of change in the society.

Keeping in view the motto of "*Education For All*", Bachelor of Arts (B.A.) to be offered through ODL mode is very much relevant to the HEI's mission and goals as it aims to provide quality education to those aspiring candidates who are deprived of higher education due to the limited number of intake in the conventional mode of education in the Universities. Moreover, to keep the quality intact the curriculum and syllabus has been designed at par with the conventional mode keeping in mind the specific needs and acceptability of the learners in the ODL mode and in keeping with the aims and objectives of the University. All the under graduate courses are offered by Gauhati University.

## **3. Nature and target group of learners:**

- (1) those deprived of admission in the regular mode due to limited intake capacity.
- (2) those employed in various organizations who desire to pursue higher education as a passion or as a means for movement up the promotional ladder.
- (3) drop outs primarily due to social , financial and economic compulsions as well as demographic factors.
- (5) Rural population of any age and those living in remote areas where higher education institutes are not easily accessible.
- (4) job seekers.

## **4. Appropriateness of the programme to be conducted in the ODL mode for acquiring specific skills and competence-**

The Bachelor Programme in Arts to be offered through ODL mode will have certain learning outcomes. This programme will help the learners-

- To improve literacy , specially among the rural poor.
- To rid under privileged society of social evils.
- Capacity building among the rural population.
- To enable the under privileged to appreciate multicultural perspectives.

- To understand the history that discipline approaches to organizing knowledge.
- To apply skills and knowledge in an internship experience.

## 5. Instructional Design:

- Curriculum Design:** The curriculum is designed by a committee comprising experts from the parent department of the HEI and IDOL, keeping in view the needs of the diverse groups of learners. To start with the syllabus that is in vogue in the regular courses will be adopted, however study self study material shall be made available to the learners.
- Detailed Syllabus:** As per the under graduate course offered in the regular mode by Gauhati University.
- Duration of the Program:** Minimum 3 (three) years. However, the learners are required to complete the course within 5 (five) years from the date of admission.
- Instructional Delivery Mechanism:** The semester system introduced by gauhati university shall be followed .The programme shall be delivered in 6 (six) semesters with the opportunity to choose optional courses offered. The learners shall be provided with the printed SLM which covers almost all the contents in the syllabus. Counselling classes shall be held in various affiliated study centres. The progress of the learners shall be evaluated by Internal Assessment and Term end/semester end examination. Examination rules shall be as per the rules and regulations adopted by Gauhati University.
- Faculty:** Gauhati University institute of distance and Open learning ( GUIDOL) shall not enroll students for the undergraduate courses and admissions will be left to the recognized study centres consequently, GUIDOL has no plans of organizing contact classes and other facilities offered under the ODL mode. As such GUIDOL has no plan to recruit permanent, part time or contractual faculty for the purpose. Arranging contact classes shall be the responsibility of the recognized centers that is the affiliated colleges
- Media:** Print Media, ICT based content, content delivered through e-learning portal

- g) Student Support Service:** Existing library and other existing facilities for education in distance mode shall be made available to interested under graduate learners also . Further, in order to successfully execute the programme, a wide range of support services are provided to the ODL learners, both Post graduate and Under graduate learners. The various support services are listed as below-
- i) Network of Study Centres: To assist its learner IDOL has established 96 study centres throughout the State of Assam but within the territorial jurisdiction of Gauhati University.
  - ii) State of the art Library with around 7 thousand collections of materials which includes books, journals, magazines, CD and DVDs.
  - iii) E-Learning Portal: [www.bodhidroom.guidol.in](http://www.bodhidroom.guidol.in) the first of its kind in the entire North east region of India.
  - iv) Dynamic Website [www.idolgu.in](http://www.idolgu.in) : Gauhati University has a dedicated dynamic website for ODL learners where one can get all the information regarding its programmes, up-coming events, examination results etc.
  - v) Community FM Radio: Gauhati University has its own Community radio station named as “Radio Luit 90.8 FM” and operates daily from 8AM to 8PM. The Community Radio station shall be extensively used to broadcast radio talks on various courses daily. The broadcast contents are designed as per the requirements by teaching staff of both the ODL Institute as well as the parent department. Experts are outsourced if the need arises.

## **6. Procedure for Admissions, Curriculum transaction and Evaluation-**

**Admission-** The admission process starts from August and ends by the end of September every year. The minimum eligibility for BA programme is 10+2 from any recognized Board. The proposed fees for admission is Rs 4000.00 (Four Thousand only) per year.

**Curriculum transaction- Activity Planner:** The exercise of preparing an activity planner will be the responsibility of the affiliated under graduate colleges and the nodal person shall be the Principal of the college as well as the Coordinator approved by the Gauhati University IDOL advisory committee.

**Evaluation-** Each course/paper shall carry 80% weightage for the term-end examinations and 20% for internal evaluation in the form of Home Assignments/internal examinations.

In order to pass/clear a course/paper in a subject, a candidate must secure minimum 30% Marks in each course/paper. All examinations are conducted by the Controller of Examinations as per examination Rules and Regulations of the Gauhati University.

**7. Library Resource:**

College library ( affiliated study Centres) shall be available to the students under ODL mode and this arrangement has already been communicated to each study centre.

**8. Estimated cost of the Programme:**

The total estimated cost of introducing the programme cannot be estimated as intake of students in different centres cannot be ascertained. However , a rough estimate may include , the preparation and printing and outsourcing of SLM.

**9. Quality assurance Mechanism and Expected Programme outcome:**

As it is well known , all college have as established IQAC , which is responsible for assessing and monitoring the quality of the under graduate courses in close cooperation with the IDOL headquarters at gauhati University.

**10.** A monitoring mechanism at the Gauhati University has already been established at the Gauhati University for the Post graduate courses . The Quality Assurance Cell includes the Deans of the different Faculty, Nominated Heads of the Arts Departments, Executive Council members, administrative staff and teaching staff of the institute.

**11. Course Benchmark Statement:** Please refer to para 4 above. Further, learners will be equipped for professional competence and employability.



**GAUHATI UNIVERSITY**  
**INSTITUTE OF DISTANCE AND OPEN LEARNING (GUIDOL)**

**PROGRAMME PROJECT REPORT (PPR)**

**PPR ID :** GU/GUIDOL/PPR/51 (*Total no. pages : 5* )

**Programme:** Three years Bachelor of Commerce (B.Com.) [General or Pass course only]

**1. Programme mission and objective:**

The mission of the Programme is "to enable learners to learn and retain a broad base of knowledge in the various domains of Social Sciences." In the ODL mode, the Gauhati University Institute of distance and open learning ( IDOL) proposes to offer B.Com programme as offered by Gauhati University in the regular mode in the affiliated colleges. More specifically the subjects offered will be a combination of three subjects of the Commerce stream including banking and management. Additionally the learners shall have to appear Assamese and other vernacular language in lieu of as well as Communicative English for one semester. No Major courses shall be offered at present.

***Objectives of the Programme:***

- *To give learners a broad based and multidisciplinary academic foundation;*
- *To offer learners wide knowledge in the humanities and Social Sciences for better job opportunities.*
- *To enable the learners to develop social analytical skills and participate in liberating peoples and communities from all forms of bondage.*
- *To acquaint learners who wish to teach, and handle social responsibilities in private and public enterprises.*

**2. Relevance of the programme with HEI's mission and goals:**

Gauhati University was established in 1948 with a mission to revitalize educational leadership, to set the standard for the production and dissemination of knowledge as well as to become an effective instrument of change in the society.



পঞ্জীয়ক  
গুৱাহাটী বিশ্ববিদ্যালয়, গুৱাহাটী-১৪  
Registrar  
Gauhati University, Guwahati-14



Keeping in view the motto of “*Education For All*”, Bachelor of Commerce (B.Com.) to be offered through ODL mode is very much relevant to the HEI’s mission and goals as it aims to provide quality education to those aspiring candidates who are deprived of higher education due to the limited number of intake in the conventional mode of education in the Universities. Moreover, to keep the quality intact the curriculum and syllabus has been designed at par with the conventional mode keeping in mind the specific needs and acceptability of the learners in the ODL mode and in keeping with the aims and objectives of the University. All the under graduate courses are offered by Gauhati University

### **3. Nature and target group of learners:**

- (1) those deprived of admission in the regular mode due to limited intake capacity.
- (2) those employed in various organizations who desire to pursue higher education as a passion or as a means for movement up the promotional ladder.
- (3) drop outs primarily due to social, financial and economic compulsions as well as demographic factors.
- (5) Rural population of any age and those living in remote areas where higher education institutes are not easily accessible.
- (4) job seekers.

### **4. Appropriateness of the programme to be conducted in the ODL mode for acquiring specific skills and competence-**

The Bachelor Programme in Commerce to be offered through ODL mode will have certain learning outcomes. This programme will help the learners-

- To improve literacy , specially among the rural poor.
- To rid under privileged society of social evils .
- Capacity building among the rural population .
- To enable the under privilege to appreciate multicultural perspectives.
- To understand the history that discipline approaches to organizing knowledge.
- To apply skills and knowledge of entrepreneurship.

## 5. Instructional Design:

- a) **Curriculum Design:** The curriculum is designed by a committee comprising experts from the parent department of the HEI and IDOL, keeping in view the needs of the diverse groups of learners. **To start with the syllabus that is being followed in the regular courses will be adopted, however self Study material shall be made available to the learners.**
- b) **Detailed Syllabus:** As per the Under graduate course offered in the regular mode by Gauhati University.
- c) **Duration of the Program:** Minimum 3 (three) years. However, the learners are required to complete the course within 5 (five) years from the date of admission.
- d) **Instructional Delivery Mechanism:** The semester system introduced by gauhati university shall be followed .The programme shall be delivered in 6 (six) semesters with the opportunity to choose optional courses offered. The learners shall be provided with the printed SLM which covers almost all the contents in the syllabus. Counseling class shall be held in various affiliated study centres. The progress of the learners shall be evaluated by Internal Assessment and Term end/semester end examination. Examination rules shall be as per the rules and regulation adopted by Gauhati University.
- e) **Faculty:** Gauhati University Institute of Distance and Open Learning ( GUIDOL) shall not enroll students for the undergraduate B.Com courses and admissions will be left to the recognized study centres consequently, GUIDOL has no plans of organizing contact classes and other facilities offered under the ODL mode. As such GUIDOL has no plan to recruit permanent, part time or contractual faculty for the purpose. Arranging contact classes shall be the responsibility of the recognized centers that is the affiliated colleges
- f) **Media:** Print Media
- g) **Student Support Service:** Existing library and other existing facilities for education in distance mode shall be made available to interested B.Com learners also . Further, in order to successfully execute the programme, a wide range of support services are

provided to the ODL learners, both Post graduate and Under graduate learners . The various support services are listed as below-

- (i) **Network of Study Centres:** To assist its learner IDOL has established 96 study centres throughout the State of Assam but within the territorial jurisdiction of Gauhati University.
- (ii) **State of the art Library** with around 7 thousand collections of materials which includes books, journals, magazines, CD and DVDs.
- (iii) **E-Learning Portal:** [www.bodhidroom.guidol.in](http://www.bodhidroom.guidol.in) the first of its kind in the entire North east region of India.
- (iv) **Dynamic Website** [www.idolgu.in](http://www.idolgu.in) : Gauhati University has a dedicated dynamic website for ODL learners where one can get all the information regarding its programmes, up-coming events, examination results etc.
- (v) **Community FM Radio:** Gauhati University has its own Community radio station named as “Radio Luit 90.8 FM” and operates daily from 8AM to 8PM. The Community Radio station shall be extensively used to broadcasts radio talks on various courses daily. The broadcast contents are designed as per the requirements by teaching staff of both the ODL Institute as well as the parent department. Experts are outsourced if the need arises.

## **6. Procedure for Admissions, Curriculum transaction and Evaluation-**

**Admission-** The admission process starts from August and ends by the end of September every year. The minimum eligibility for BA programme is 10+2 from any recognized Board. The proposed fees for admission is Rs 5000.00 (Five Thousand only) per year.

**Curriculum Transaction-** Activity Planner: The exercise of preparing an activity planner will be the responsibility of the affiliated under graduate colleges and the nodal person shall be the Principal of the college as well as the Coordinator approved by the Gauhati University IDOL advisory committee.

**Evaluation-** Each course/paper shall carry 80% weightage for the term-end examinations and 20% for internal evaluation in the form of Home Assignments/internal examinations.

In order to pass/clear a course/paper in a subject, a candidate must secure minimum 30% Marks in each course/paper. All examinations are conducted by the Controller of Examinations as per examination Rules and Regulations of the Gauhati University.

7. **Library Resource:** College library ( affiliated study Centres) shall be available to the students under ODL mode and this arrangement has already been communicated to each study centre.
8. **Estimated cost of the Programme:** The total estimated cost of introducing the programme cannot be estimated as intake of students in different centres cannot be ascertained. However, a rough estimate may include , the preparation and printing and outsourcing of SLM.
9. **Quality assurance Mechanism and Expected Programme outcome:** As it is well known, all colleges have as established IQAC, which is responsible for assessing and monitoring the quality of the under graduate courses in close cooperation with the IDOL headquarters at Gauhati University.
10. A monitoring mechanism at the Gauhati University has already been established at the Gauhati University for the Post Graduate Programme. The Quality Assurance Cell includes the Deans of the different Faculty, Nominated Heads of the Arts Departments, Executive Council members, administrative staff and teaching staff of the institute.
11. **Course Benchmark Statement:** Please refer to para 4 above. Further, learners will be equipped for professional competence and employability.

**GAUHATI UNIVERSITY**  
**INSTITUTE OF DISTANCE AND OPEN LEARNING**

**Programme Project Report (PPR)**

**PPR ID :** GU/GUIDOL/PPR/23 (Total no. pages : 28 )

**Programme:** Bachelor of Computer Application (BCA)

**1. Programme Mission and Objective:**

The mission of the Programme is "to provide quality higher education, develop technical and managerial skills that enable learners to understand the impact of technological changes and also appreciate the usage of Computer Science and Information Technology in academics, business and industry."

**Objectives of the Programme:**

- to open a channel of admission for computing programme for learners, who are interested in taking Computer Science/Information Technology as a career,
- to provide a substantial understanding of concepts in key areas of computer science,
- to develop and promote technical skills needed to design, implement and test solutions in the field of Computer Science/Information Technology,
- to help learners acquire professional competence in developing software and its design and implementation.

**2. Relevance of the Programme with HEI's Mission and Goals:**

Gauhati University was established in 1948 with a mission to revitalize educational leadership, to set the standard for the production and dissemination of knowledge as well as to become an effective instrument of change in the society. With this aim in view, the department of computer Science, Gauhati University was established in the year 1985 with an objective to produce computer science and IT professionals for software industries, research and educational institutions and other organizations in India and abroad, so as to enhance employment and association of the new generation in these fields and related areas. The courses and programmes in the colleges (affiliated to Gauhati University) under the computer science department are

পত্ৰীয়ক

স্বাক্ষৰ কৰা  
কৰ্মচাৰী বিশ্ববিদ্যালয়, গুৱাহাটী-১৪

Registrar

Gauhati University, Guwahati-14

- Major Course in Computer Science
- General Course in Computer Science
- Vocational Course in Computer Application
- Vocational course in Information Technology
- BCA
- BSc-IT
- PGDCA
- Certificate Course in Computer Application(Six Months)

Keeping in view the motto of “*Quality Higher Education For All*”, Bachelor of Computer Application (BCA) to be offered through ODL mode is very much relevant to the HEI’s mission and goals as it aims to provide quality higher education in computer science and information technology to those aspiring candidates who are deprived of higher education due to various serious and unavoidable circumstances. Moreover, to keep the quality intact the curriculum and syllabus has been designed at par with the conventional mode keeping in mind the specific needs and acceptability of the learners in the ODL mode and in keeping with the aims and objectives of Gauhati University.

### **3. Nature and Target Group of Learners:**

Our target group includes:

- (1) those who are deprived of admission in the conventional mode due to limited intake capacity,
- (2) those employed in various organizations who desire to pursue higher education as a passion or as a means for movement up the promotional ladder ,
- (3) drop-outs primarily due to social , financial and economic compulsions as well as demographic factors,
- (4) job seekers.

### **4. Appropriateness of the Programme to be Conducted in the ODL Mode for Acquiring Specific Skills and Competence:**

The BCA programme to be offered through ODL mode will have certain learning outcomes. This programme will help the learners

- to function effectively in this dynamic technological era,
- to enhance and develop their technical knowledge for understanding and finding solution to the real world problems,

- in designing databases and managing them, and to acquire sound knowledge in software engineering and web-based applications,
- by giving educational opportunity to go for Master's Programme at any other university/institute,
- to make themselves fit to embrace the future developments and retaining professional relevance.

## 5. Instructional Design:

- Curriculum Design:** The curriculum is designed by a committee comprising experts from the parent department and ODL mode of Gauhati University, keeping in view the needs of the diverse class of learners.
- Detailed Syllabus:** Please refer to Enclosure-I.
- Duration of the Programme:** Minimum 3(three) years. However, the learners are required to complete the programme within 6 (six) years from the date of admission.
- Instructional Delivery Mechanism:** The programme will be delivered in 6 (six) semesters. The learners will be provided with the printed SLM which covers almost all the contents in the syllabus (*Enclosure-III*). Counselling/regular classes for both theory and practical will be held in various affiliated study centres. Telephonic Counselling and providing online learning resource will also be a part of instructional delivery mechanism. The progress of the learners will be assessed periodically. At the end of each semester, learners' performance will be evaluated by Term/Semester-end examination.
- Faculty:**
  - Full Time**
    1. Dr. Ridip Dev Choudhury, MSc (Comp. Sc), PhD – Course Coordinator cum Assistant Professor, GUIDOL
    2. Dr. Khurshid Alam Borbora, M.Sc. (Comp. Sc), PhD - Assistant Professor, GUIDOL
    3. Mr. Swapnanil Gogoi, M.Sc. (Comp. Sc.) - Assistant Professor, GUIDOL
    4. Mrs. Pallavi Saikia, M.Sc. (Comp. Sc.) - Assistant Professor, GUIDOL
    5. Mr. Hemanta Kalita, M.Sc. (IT), M.Tech. - Assistant Professor, GUIDOL
    6. Mrs. Rita Chakraborty, M.Sc. (IT) - Assistant Professor, GUIDOL

- ii. Resource persons are drawn from amongst teachers of affiliated colleges, researchers, faculty members of the Department of HEI and from corporate sector for this programme.

f) **Media:** Print Media, ICT enabled tools, Multi-Media and e-Learning Portal.

g) **Student Support Services:** In order to successfully execute this programme, there are a wide range of support services. The various support services are listed as below:

- i. **Network of Study Centres:** To assist its learners in ODL mode the University has established 96 study centres (list enclosed) throughout the State of Assam and but within its territorial jurisdiction.

- ii. **State of the art Library:** with around 7 thousand collections of materials which includes books, journals, magazines, CD and DVDs.

- iii. **E- Learning Portal:** [www.bodhidroom.guidol.in](http://www.bodhidroom.guidol.in) the first of its kind in the entire North east region of India. This portal provides the following services to the learners:

- Online enrolment of students
- Independent Discussion Forum for every course
- Independent News Forum for every course
- Online interaction facility with faculty members
- Online interaction among the students making the scope of collaborative learning
- Interaction through chatting of all users of all courses who are online
- Separate Chat Room for individual course
- **Message My Teacher:** When a student logged on to Bodhidroom, after enrolling himself/herself to a course, he/she will see the names of the virtual class teachers. Student can directly send offline messages to the teachers. When the teacher is logged on, he will receive an alert of incoming messages. Then he can reply to the message.
- Online Study Material
- Old Examination Question Papers



- iv. **Dynamic Website (www.idolgu.in):** For ODL learners, the University have a separate website, www.idolgu.in, where one can get all the information regarding ODL programmes, up-coming events, examination results etc.
- v. **Computerised Admission Process with Provision of Online Admissions:** The whole system of admissions and examinations are managed using professional software which gives instant online access to learners and can be accessed through www.idolgu.in.
- vi. **Flexible Walk in Group Counselling (FWGC):** Regular group and individual counselling will be held in the headquarter complex during all working days. Learners may walk-in to the designated counselling room and meet their teachers to clarify their doubts.
- vii. **Personal Contact Programme (PCP):** In addition to the Study Materials, useful Personal Contact Programmes will be held at various affiliated study centres, which will enable the students to clarify their confusions and ease their difficulty while going through it. Qualified faculty members of affiliated study centres will help out the attending students by providing necessary tips and Guidelines during the interactive sessions. These sessions are also meant to give the students a chance to meet the teachers personally and discuss their problems.
- viii. **Community FM Radio:** Gauhati University has its own Community radio station named as “Radio Luit 90.8 FM” and operates daily from 8AM to 8PM. The Community Radio station shall be extensively used to broadcasts radio talks on various courses daily. The broadcast contents are designed as per the requirements by teaching staff of both the ODL institute as well as the parent department. Experts are outsourced if the need arises.

#### **6. Procedure for Admissions, Curriculum Transaction and Evaluation:**

**Admission:** The admission process shall start from August and end by the end of September every year. The learner can go for either offline or online admission process. To get admission to this programme, a student must have passed 10+2 in any stream or should complete 3 years Polytechnic Diploma. The proposed fee for admission is Rs 8000.00 (Eight Thousand only) per semester. Financial Assistance is provided to the learners belong to SC/ST and OBC category in the form of scholarship. A Few learners

belonging to the economically deprived section as well as the physically challenged category are provided free ship on the recommendation of the Vice-Chancellor

**Curriculum Transaction-** The curriculum will be transacted throughout the year as per the following activity planner:

- Regular Counseling/Classes/Practicals will be carried out for minimum of 4 (four) months per semester.
  - a) For odd semesters classes will start from the month of March and end by June every year and
  - b) For even semesters classes will start from the month of October and end by January every year.
- Regarding the classes related to theory and practical courses/papers,
  - a) one theory class, of one hour duration, for each course/paper will be conducted in a week.
  - b) one practical class, of two hours duration, for each course/paper with practical component will be conducted in a week.
- For slow-learners, few remedial classes/counseling will be conducted as necessary.

**Evaluation:** Each course/paper will carry 100% weightage for the term/semester-end examinations. In order to pass/clear a course/paper, a candidate must secure minimum 35% marks in case of theory course/paper and 40% marks in practical as well as in the final project. All examinations are conducted by the Controller of Examinations as per Rules and Regulations of Gauhati University.

#### **7. Requirement of the laboratory support and Library Resources:**

The University has a State of the Art Central Library with rich collections of materials which includes books, journals, magazines, CD and DVDs, and is accessible to the ODL learners as well. Moreover, the Institute has its own Library where various books, journals and magazines are available.

Gauhati University being a member of UGC-Infonet Digital Library Consortium (<http://www.inflibnet.ac.in/econ/index.php>) which provides current as well as archival access to more than 5000 core and peer-reviewed journals and nine bibliographic databases from 23 publishers and aggregators in different disciplines. The ODL learners

can access the e-resources of UGC-Infonet Digital Library Consortium from the Gauhati University campus.

For conducting theory and practical classes, there are 2 (two) Digital Classrooms and 2 (two) Computer Laboratories with the following facilities available at HQ:

	<b>Item</b>	<b>Quantity</b>
<b>Computer Lab 1</b>	Desktop Computer	55
	LCD Overhead Projector	1
	Document Scanner with Overhead Projector	1
	40 inch LED TV for parallel display with the LCD projector	1
	Smart Board	1
	Sound System with Lapel Connectivity	1 Set
	Split AC	4
	LAN Connectivity	
	Internet Connectivity provided by NKN	
<b>Computer Lab 2</b>	Desktop Computer	22
	55 inch LED TV used for projection	1
	Split AC	2
	LAN Connectivity	
	Internet Connectivity provided by NKN	
<b>Digital Classroom 1</b>	Intake Capacity	64
	LCD Projector	1
	Sound System with Lapel Connectivity	1 Set
	Podium	1
	Split AC	3
	LAN Connectivity	
	Internet Connectivity provided by NKN	
<b>Digital Classroom 2</b>	Intake Capacity	100
	LCD Projector	1
	Sound System with Lapel Connectivity	1 Set
	Podium	1
	Split AC	4
	LAN Connectivity	
	Internet Connectivity provided by NKN	

*It is also mandatory for all Study Centres offering BCA and related programmes to have similar facilities.*

**8. Estimated cost of the Programme:** total estimated cost of the programme is approximately Rs. 55 Lakhs which includes preparation and printing of SLMs, remuneration of the Resource persons, establishment cost and overheads. The estimate is evaluated considering the unit expenses of Rs.2.5 Lakhs per paper /1000 students for the entire duration of three years.

**9. Quality assurance Mechanism and Expected Programme outcome:**

- **Quality assurance Mechanism:** GUIDOL has an Internal Quality Assurance Cell constituted by the statutory body of the HEI. Members of the Cell are drawn from among the Deans of the different Faculty, Heads of the respective departments, Executive Council members, administrative staff and teaching staff of the institute.
- **Expected Programme outcome:** The expected programme outcome is reflected in the Course Benchmark Statement, which is stated as below:

**Course Benchmark Statement:** Bachelor Degree in Computer Application shall be awarded to those learners who demonstrate:

- essential knowledge in each functional area of Computer Science and Information Technology,
- technical knowledge for understanding and finding solution to the real world problems,
- professional competence in developing software and in its design and implementation,
- concept of new software technologies and extend their theoretical knowledge in specific areas of interest in academia and the industry.

## **Enclosure-I**

### ***Syllabus***

#### **SEMESTER-I**

<b>Course No</b>	<b>Paper Name</b>	<b>Credit</b>
ITOL-111	Fundamentals of Computer	3
ITOL-112	Digital Systems	3
ITOL-113	Communicative English	2
ITOL-114	Mathematics –I	3
ITOL-119	Laboratory (DOS and UNIX commands and Office Automation)	4

#### **SEMESTER -II**

<b>Course No</b>	<b>Paper Name</b>	<b>Credit</b>
ITOL-121	Introduction to Programming using C	3
ITOL-122	Environmental Studies	3
ITOL-123	Mathematics II	3
ITOL-126	Computer Based Accounting and Financial Management	3
ITOL-129	Laboratory (ITOL-121)	4

#### **SEMESTER -III**

<b>Course No</b>	<b>Paper Name</b>	<b>Credit</b>
ITOL-124/211	Computer Organization and Architecture	3
ITOL-212	Data Structure using C	3
ITOL-213	Operating System	3

ITOL-214	System Analysis & Design	3
ITOL-218	Laboratory(ITOL-212)	4

**SEMESTER- IV**

<b>Course No</b>	<b>Paper Name</b>	<b>Credit</b>
ITOL-226	Numerical Analysis	3
ITOL-223	Database Management System	3
ITOL-224	Computer Network & Internet	3
ITOL-225	OOP using C++	3
ITOL-228	Laboratory (ITOL-223+ ITOL-225)	4

**SEMESTER-V**

<b>Course No</b>	<b>Paper Name</b>	<b>Credit</b>
ITOL-311	Computer Hardware & System Administration	2
ITOL-312	Programming in JAVA	3
ITOL-313	Web Technology	2
ITOL-314	E Commerce	3
ITOL-318	Laboratory(ITOL-311)	2
ITOL-319	Laboratory(ITOL-312+ ITOL-313)	4

## SEMESTER VI

Course No	Paper Name	Credit
	Elective – I	3
	Elective – II	3
ITOL-325	Project	6

### **Courses for Electives:**

ITOL-501: Artificial Intelligence

ITOL-502: Data Mining

ITOL-503: E-Learning Technologies

ITOL-504: Object Oriented Design using UML

ITOL-505: Software Engineering

ITOL-506: Advanced Web Technology

### **Detail Syllabus:**

#### **SEMESTER – I**

#### **ITOL-111: FUNDAMENTALS OF COMPUTER**

**Full Marks: 100**

What is Computer and its History, Generation of Computers, Classification of Computers; Components of a Digital Computer: CPU, Memory, I/O devices; Storage Devices, Backup System and its use.

What is Computer Software and its need, Types of Computer Softwares; Computer languages, Generation of Computer Languages, Classification of Computer Languages; Computer Viruses.

### **ITOL-112: DIGITAL SYSTEMS**

**Full Marks:100**

Digital Computers and Digital Systems, Binary Numbers, Number Base Conversion, Octal and Hexadecimal Numbers, Complements, Binary Codes, Binary Storage and Registers, Binary Logic, Integrated Circuits

Boolean Operators, Boolean Algebra and its Rules, Dual and Complement of Boolean Expression, Sum of Product and Product of Sum, Conversion between Boolean Expression and Truth Table, Boolean Expression and their Simplification by Algebraic Method, Karnaugh Map.

Half Adder, Full Adder. Decoder, Encoder, Multiplexer, Demultiplexer.

Flip-Flops and its different types and Registers.

### **ITOL-113: COMMUNICATIVE ENGLISH**

**Full Marks:100**

Scope and Meaning of Communication; Essentials of Good Communication- Listening and Reading Skills, Difference between the Spoken and the Written Form, Verbal and Non-Verbal Communications, Gestures and Body Language, Formal and Informal Communication; Levels of Communication - Upward/Downward/Horizontal Communication, Barriers of Communication.

Mechanisms of Effective Oral Communication- How to Speak a Language clearly, fluently and naturally; Pronunciation, Difference between Spelling and Pronunciation, Everyday Conversation (with elders, friends, strangers etc.); Group Discussion and Facing an Interview Board; Public Speaking(Addressing a Meeting, Debate etc.), Practical Exercises.

Mechanisms of Effective Written Communication – Punctuation, Sequencing of Ideas, Building Paragraph/Body, a Good Introduction and Conclusion; Word Buildings, Making Sentences from Phrases and Idioms; Writing and Presentation of Reports; Writing Notes, Memos and Short Notes; Writing Letters for Business and Office Use; Writing Complaints; Placing Orders ; Summery Writing.

Extensive Oral and Written Examples of various kinds of English used in the field of Science and Technology.



## **ITOL-114: MATHEMATICS –I**

**Full Marks: 100**

### **Sets, Relations and Functions**

Sets, relations, properties of binary relations, closures of relation, equivalence relations, equivalence classes and partitions. Partial ordering relations and lattices. Functions, one to one and onto, principles of mathematical induction.

### **Sequence and Series**

Sequence of Real Numbers, Bounded Sequences, Convergent and Non-Convergent Sequences, Uniqueness of the Limit and Bounds of a Convergent Sequence, Cauchy Sequence, Cauchy's General Principle of Convergence (proof of the necessary part only), Subsequences, Convergence and Divergence of Monotonic Increasing and Decreasing Sequences, Algebraic Operations on Limit (statements of the theorems without proof), Infinite Series, Statements of Basic Properties of Infinite Series (without proof). Absolute and Conditional Convergence, Some useful test for Convergence and Divergence: Comparison Test, D'Alemberts Ratio Test.

### **Matrices**

Row and column operations, vectors and matrices, partitioning of matrices, representing relations using matrices, Determinant of a square matrix, minor, cofactor, the Cayley Hamilton theorem, inverse of a matrix, product form of inverse. Rank of a matrix. Solutions of simultaneous linear equations, existence of solutions, solution by Gaussian elimination, Eigen values and Eigen vectors.

### **Trigonometry**

Geometrical Representation of Complex Numbers- the Argand Plane, Polar Form of a Complex Number, Modulus, Amplitude and their various properties, De Moivre's Theorem and its Application, Expansion of  $\cos(x)$ ,  $\sin(x)$  and  $\tan(x)$  in Positive Integral Powers of  $x$

## **ITOL-119: Laboratory (DOS and UNIX commands and Office Automation)**

**Full Marks:100**

DOS commands

UNIX commands

MS-Word, MS-PowerPoint, MS-Excel, MS-access

## SEMESTER – II

### ITOL-121: Introduction to Programming using C

**Full Marks:100**

Algorithm, Flowchart, Pseudo Code.

Structure of a C program, Tokens, Storage Classes (Automatic, External, Static, Register), Variables, Constants and Identifiers, Syntax and Semantics Error.

Data types, Initialization of Variable during Declarations, Operators in C and their Precedence.

Conditional Statements: if, if-else, switch Iterative Statements: while, do-while, for

Other Statements: break, continue, goto, return

What is Arrays, One Dimensional Array and Two-Dimensional Array, Declaration of Arrays, Operations on Arrays.

Function: Function Declaration and Definition, Parameters, Actual Parameter, Formal Parameter. Calling a Function: Call by Value, Call by Address. Passing an Array to a Function, Recursive Function.

What is Pointer, Declaration of Pointer Variables, Operations using Pointer Variables.

Structure and Union, Declaration, Operations using Structure.

### ITOL-122: ENVIRONMENTAL STUDIES

**Full Marks:100**

#### **The Multidisciplinary nature of environmental studies**

Definition, Scope and Importance, Need for Public Awareness.

#### **Natural Resources**

Renewable and Non-Renewable Resources, Natural Resources and Associated Problems (Forest Resources, Water Resources, Mineral Resources, Food Resources, Energy Resources, Land Resources), Role of an Individual in Conservation of Natural Resources.

#### **Ecosystems**

Definition , Structure and Function of and Ecosystem, Producers, Consumers and Decomposers , Energy Flow in the System , Ecological Succession , Food Chains, Food Webs and Ecological Pyramids and its types, Characteristic Features, Structure and Function of the different Ecosystem(Forest Ecosystem, Grassland Ecosystem, Desert Ecosystem, Aquatic Ecosystem: Ponds, Streams, Lakes, Rivers, Oceans, Estuaries etc.)

### **Biodiversity and its conservation**

Definition, Genetics, Species and Ecosystem Diversities, Bio-geographical Classification of India, Value of biodiversity ( consumptive use, productive use, social, ethical, aesthetic and option values) , Biodiversity at global, national and local level, India as a mega-diversity nation, Hot-spots of biodiversity ,Threats to biodiversity( habitat loss, poaching of wild life, man-wild-life conflicts) , Endangered and endemic species of India.

Conservation of biodiversity (In-situ and ex-situ conservation of biodiversity)

### **Environmental pollution**

Definition, Causes, effects and control measure of different environmental pollution (air pollution, water pollution, soil pollution, marine pollution, noise pollution, thermal pollution, nuclear pollution).Solid waste management (Causes, effects and control measures of urban and industrial waste).Role of individual in prevention of pollution, Pollution case studies.

Disaster management (floods, earthquake, cyclone and landslides).

### **Social issues and the Environment:**

Urban problems related to energy, Water conservation, rain water harvesting, watershed management, Resettlement and rehabilitation of people, its problem and concern, case studies.

Environmental ethics (issues and possible solutions, Climate change, global warming, acid rain, ozone layer depletion, nuclear accidents and holocaust, case studies), Waste land reclamation, Consumerism and waste product, Environment protection acts.

Air (prevention and control of pollution) acts, Wild life protection act, Forest conservation act, Issues involved in enforcement of environmental legislation, public awareness.

### **Human population and the environment**

Population growth, variation among nations, Population explosion- family welfare programme, Environment and human health, Human rights, Value education, HIV/ AIDS Women and child welfare, Role of information technology in environment and human health, Case studies

## **ITOL-123: MATHEMATICS – II**

**Full Marks:100**

### **Mathematical Statistics:**

Collection of data, frequency distribution, measures of central tendency Mean, Media Mode, Mean Deviation, Standard Deviation and Dispersion, Skewness .Basic concept of Probability, Properties of probability, conditional probability. Baye's Theorem,Concepts

on Discrete and Continuous random variables and Binomial distribution , Poisson distribution and Normal distribution and its properties.

### **Differential Calculus**

Concept of Limits, Continuity and Differentiability, Differentiation, Rolle's Theorem and its Applications, Lagrange's Mean Value Theorem and its Applications and Taylor's Theorem. Partial Derivatives, Indeterminate Forms, Maxima and Minima for single and two Variables, Lagrange's Multiplier.

### **Integral Calculus**

Elementary Methods and Properties of Integration, Definite Integrals and its Properties, Concept of Indefinite Integral, Application of Integral Calculus(length, area, volume), Idea of Multiple Integrals Fourier Series.

## **ITOL-126: Computer Based Accounting and Financial Management**

**Full marks: 100**

### **Accounting:**

Definition, function, uses, objectives, limitations. Double entry system of accounting, introduction of basic books of accounts of sole proprietary concern, control accounts for debtors and creditors, closing of books of accounts and preparations of trial balance. Capital and revenue items. Application of computers in accounting. Meaning and Nature of Financial Accounting, Scope of Financial Accounting, Financial Accounting & Management Accounting, Accounting procedure used for recording cash, Bank and journal transactions using appreciate vouchers, Introduction to ledger accounting, Cash Book, Journal and bank account . Trading Profit and Loss account and balance sheet.

### **Financial statement analysis:**

Ratio analysis, Funds flow analysis, concepts, uses, Preparation of funds flow statement, simple problem, Cash flow analysis, Concepts, uses, preparation of cash flow statement, simple problem.

### **Costing :**

Nature, importance and basic principles, budget and budgetary control, nature and scope, importance, method of finalization of master budget and functional budgets. Nature ,scope and importance of marginal and standard costing.

Break-even analysis. Its uses and limitations, construction of break even chart , practical application of marginal costing. Computation and analysis of variances with reference to material cost, labour cost and overhead cost. Interpretation of the variances.

**Inventory valuation :**

Objectives, Introduction to FIFO, LIFO & Weighted Average method of inventory valuation, Valuation of inventory on balance sheet date, inventory accounting and control, Introduction to stocks & shares, Concept of cost of capital, introduction, importance, explicit & implicit cost, Measurement of cost of capital, cost of debt. Theory of working capital: Nature and concepts

**ITOL-129: PRACTICAL-II****Full Marks:100****SEMESTER -III****ITOL-124/211: COMPUTER ORGANIZATION AND ARCHITECTURE****Full Marks:100**

Functional Units of a Computer, Basic Instructions, Interconnection of Functional Units, Bus Structure, Memory Locations, Memory Addresses, Memory Operations, Instruction and Instruction Sequencing (Straight Line Sequencing and Branching), Addressing Modes, Introduction to Assembly Language, Stack, Subroutine, I/O instructions.

Introduction, Inter Register Transfer, Arithmetic Micro-operation, Logic Micro-operation, Shift Micro-operation, Conditional Control Statements, Fixed Point Binary Data, Instruction Code, Design of a Simple Computer.

Processor organization, Design of Arithmetic and Logic Circuit, Status Register, Design of Accumulator.

Hardwired Control, Micro-programmed Control Block Diagram, Symbolic Micro-program, Micro-programmed CPU Organization.

Program Controlled I/O, Interrupts: enabling and disabling interrupts, handling interrupts from multiple sources (priority control), DMA. Structure and Working of Hard Disk, CDROM, Printer.

Semiconductor Memory, SRAM, DRAM, ROM and their Speed, Size and Cost; Cache Memory, Mapping Functions, Replacement Algorithms.

**ITOL-212: DATA STRUCTURE USING C****Full Marks: 100****Introduction:**

Concept of Data and Data Types, Abstract data type

**Arrays :**

Definition , Types, memory representation, address translation functions for one & Two dimensional arrays, Different operations.

**Linked Structure:**

Singly linked list, Differences between linked list and arrays, doubly linked list, circular link list, insertion, deletion and traversal of elements in different linked lists.

**Stacks and Queues**

Definition of Stack and Queue, implementation of stack and queue using array and linked list structure, application of stack and queues, postfix conversion and evaluation of arithmetic expressions, priority queue

**Binary trees:**

Tree, Definition of binary tree and properties, memory representation, Binary search tree (construction, insertion, deletion and search), Trees traversal algorithms : Preorder, Postorder and Inorder(recursive and non-recursive), Breadth First Search, Depth First Search, Balanced trees, Threaded trees

**Searching** :Linear and binary search algorithms, performance and complexity, Hashing

**Sorting**:Different sorting algorithms and its performances and complexities (Bubble sort, insertion sort, selection sort, radix sort, merge sort, quick sort, heap sort)

**File Structure**:Sequential, Index sequential file structure

**ITOL-213: OPERATING SYSTEM****Full Marks:100****Introduction:**

What is an operating system, batch systems, single user and multi user system, multiprogramming, time-sharing systems, personal computer systems, parallel systems or multiprocessing, distributed systems, real-time systems.

**Processes Management:**

Process, Thread, design issues of thread, user space thread and kernel space thread. Usage of thread. Process states, Implementation of process:- process table, Race condition, Critical-Section, mutual exclusion.

Process scheduling, preemptive and non preemptive scheduling. Scheduling Algorithms, Goals of scheduling algorithms

What is Deadlocks, System Model, Deadlock Characterization, Methods for Handling Deadlocks, Deadlock Prevention, Deadlock Avoidance, Deadlock Detection and Recovery.

**Memory management:**

Allocation, Address binding (relocation), and protection, Swapping, paging, segmentation

Virtual memory - logical versus physical address space, paging, page fault, page table and its entries, demand paging, multi level page table.

**File system:**

Definition, file naming, file types(directory, regular, device), sequential access and random access files, file attributes, operations on file, free space management, directory management, path name(relative and absolute), operation on directories, mounting, contiguous allocation linked list allocation, FAT, i-nodes, directories in UNIX

**I/O management:**

Basic principles and overall structure of I/O management subsystem, Device controllers, block I/O, character I/O, DMA and interrupt driven I/O, interrupt handlers, device driver, device independent I/O software and user space I/O software.

**ITOL-214: System Analysis & Design**

**Full Marks:100**

Concept of System, Characteristics, Elements and Types of a System, The System Development Life Cycle, Considerations for Candidate System. System Analysis, The Role of System Analyst. System Planning and Initial Investigation, Information Gathering and Information Gathering Tools.

Structured Analysis, Data Flow Diagram(DFD), Data Dictionary, Decision Tree, Pseudo Codes, Decision Tables, System Performance Definition, Feasibility Study, Cost/Benefit Analysis.

The Process and Stages of System Design, Design Methodologies, Development Activities. Input Design, Output Design, Types of Forms, Basics of Form Design, Layout Considerations and Forms Control.

File Structure, File Organization, System Testing and its Requirement, Trends in Testing, Training and Documentation.

Implementation and Maintenance of Software, Post Implementation review. Selection of Hardware and Software, System Security, Disaster Recovery Planning.

**ITOL-218: Laboratory (ITOL-212)**

**Full Marks:100**

## SEMESTER –IV

### **ITOL-223: DATABASE MANAGEMENT SYSTEM**

**Full Marks:100**

#### **Introduction:**

What is DataBase, Differences between Traditional File Approach and DataBase, Components of Data Base system, Advantages of DBMS, DBMS architecture, Data independence, ANSI/SPARC 3 level architecture.

#### **Data Model:**

Network data model, hierarchical data model

#### **Relational Models:**

Entity, attribute, tuple, relationship , Fundamental integrity rules: entity integrity, referential integrity, Relational algebra

#### **Structured Query Language (SQL):**

DDL, DML, DCL

#### **Data modeling:**

E-R model concept

**Database design:**Functional dependencies, different types of keys, Normalization (1NF, 2NF, 3NF, BCNF), multivalued and join dependencies, 4NF and 5NF, Domain key normal form.

#### **Data Base transaction:**

Database concurrency, ACID properties, database backup and recovery

### **ITOL-224: Computer Network & Internet**

**Full Marks:100**

#### **Computer Network**

Uses of computer networks, Types of computer networks: LAN, MAN, WAN etc., Networks topologies, Layered architecture. Interface and services, Connection-oriented and connectionless service, The relationship of services to protocol,

The OSI reference model, The TCP/IP reference model, Different inter-connecting devices: repeaters, hubs, bridges, switches, routers and gateways.

Physical layer: Guided and wireless transmission media, Satellite communication and their relative merits and demerits

Data link Layer: Functions of data link layer, framing error control flow control

Network Layer: Functions of network layer, Virtual circuit vs. datagram subnet, Routing, Internet protocol (IP)



Transport Layer: Basic functionality of transport layer, TCP and UDP protocol

Application Layer: Domain Name Service (DNS), electronic mail, ftp, telnet, www, http, URL

### **Internet**

#### **Overview**

History of Internet, Internet services: telnet, e-mail – Definition, use, Equipments required for an Internet Connection, Opening an e-mail account, Reading and Writing e-mail.

Web browser, Components of a Web Browser, Web page, home page, web site, URL, introduction to e-commerce, Surfing the Internet., Search Engine, uploading and downloading.

### **ITOL-225: OOP Using C++**

**Full Marks:100**

Principles of object-oriented programming:-Object-Oriented Programming Paradigm, Basic Concepts of Object- Oriented Programming, Benefits of OOPs, Object-Oriented Languages, Applications of OOP.

Structure of C++ Program, Tokens, expressions and control structures:-Introduction, Tokens, Keywords, Identifiers Basic Data types, User Defined Data Types, Derived Data Types, Symbolic Constants, Type Compatibility, Declaration of Variables, Dynamic Initialization of Variables, Reference Variables, Operators in C++, C++ Statements, Operator Precedence, Control Structures.

Classes and objects:- Specifying a Class, Defining Member Functions, Making an Outside Function Inline, Nesting of Member Functions, Private Member Function, Arrays within a Class, Memory Allocation for Objects, Static Data Member, Static Member Functions, Arrays of Objects, Object as Function Arguments. Constructors and destructors:- Introduction, Constructors, Parameterized Constructors, Multiple Constructors with Default Arguments, Dynamic Initialization of Objects, Copy Constructors, Dynamic Constructors, Destructor.

Functions in c++:- The Main Function, Function Prototyping, Call by Reference, Return by Reference, Inline Functions, Default Argument, Const. Arguments, Function Overloading, Friend and Virtual Function.

Operator overloading and type conversions :-Introduction, Defining Operator Overloading, Overloading Unary Operators, Overloading Binary Operators Using Friends, Manipulation of strings using Operators, Rules for Overloading Operators, Type conversions.

Inheritance: extending classes Introduction, Defining Derived Classes, Single Inheritance, Making a Private Member Inheritable, Multilevel Inheritance, Multiple Inheritance, Hierarchical Inheritance, Hybrid Inheritance. Pointers, virtual functions and polymorphism: - Compile time Polymorphism, run time polymorphism, Pointers to Objects, This Pointer, and Pointers to Derived Classes, Virtual Functions.

### **ITOL-226: Numerical Analysis**

**Full Marks:100**

#### **Representation of numbers:**

Floating point representation, single and double precision, round off errors and truncation errors.

#### **Solution of non-linear equation:**

Bisection method, Newtons method, Regula Falsi method, secant method, fixed point algorithm.

#### **Solution of simultaneous linear equation:**

Basic elimination method, Gaussian elimination method, Gauss Jordan method, method of successive approximation.

**Ordinary differential equation:**Euler's method, Runge Kutta method

**Interpolation:**Newton's interpolation, Lagrange's interpolation

**Numerical integration:**Trapezoidal rule, Simpson rule, Newton's Cotes method.

### **ITOL-228: Laboratory (IT-223+ IT-225)**

**Full Marks:100**

### **SEMESTER-V**

#### **ITOL-311: Computer Hardware & System Administration Full Marks: 50**

**UNIT I:** Evolution of computer system, Modern computer, Classification of computer, Personal Computer hardware: Monitor, Keyboard, Mouse, Scanner, printer, speaker

**UNIT II:** Hard Disk Drive: logical structure and file system, FAT, NTFS. Hard disk tools: Disk cleanup, error checking, defragmentation, scanning for virus, formatting, installing additional HDD. New trends in HDD. Floppy Disk Drive

**UNIT III:** Optical Media, CDROM, theory of operation, drive speed, buffer, cache, CD-r, CD-RW, DVD ROM, DVD technology, preventive maintenance for DVD and CD drives, New Technologies. Driver installation, Writing and cleaning Cd and DVD.

**UNIT IV:** Processor: Intel processor family. Latest trends in processor, Motherboard, Sockets and slots, power connectors. Peripheral connectors. Bus slots, USB, pin connectors. Different kinds of motherboards. RAM, different kinds of RAM. RAM upgradation.

**UNIT V:** SMPS. BIOS. Network Interface Card, network cabling, I/O Box, Switches, RJ 45 connectors, Patch panel, Patch cord, racks, IP address.

Major components of the Linux operating systems. File system, setting user and group ownership of files and directories and access permissions, basic commands for starting and stopping processes, basic process attributes and their role in access control, mounting and unmounting file systems and partitions.

Linux system monitoring and logging. Examining the list of running processes on the system and understand the data presented there. Monitoring memory usage and disk space usage on the system. Customizing system log configuration.

The rules governing IP address classes and netmasks, Configuring the resolver library to arrange for TCP/IP name service, Bringing interfaces up and down, and set their IP addresses and netmasks,

**Books:**

1. Red Hat Linux: Proffitt: PHI
2. UNIX Network Programming- Vol-I and Vol-II: Stevens: PHI
3. Introduction to System Administration: IBM series: PHI

**ITOL-312: Programming in Java**

**Full Marks:100**

Introduction to Java - Features of Java - Object Oriented Concepts - Lexical Issues - Data Types - Variables - Arrays - Operators - Control Statements.

Classes - Objects - Constructors - Overloading method - Access Control- Static and fixed methods - Inner Classes - String Class - Inheritance - Overriding methods - Using super-Abstract class.

Packages - Access Protection - Importing Packages - interfaces - Exception Handling - Throw and Throws - Thread - Synchronization - Messaging - Runnable Interface - Inter thread Communication - Deadlock - Suspending, Resuming and stopping threads - Multithreading.

I/O Streams - File Streams - Applets - String Objects - String Buffer - Char Array - Java Utilities - Code Documentation.

Networks basics - Socket Programming - Proxy Servers - TCP/IP Sockets - Net Address - URL - Datagrams - Working with windows using AWT Classes - AWT Controls - Layout Managers and Menus.

### **ITOL-313: WEB TECHNOLOGY**

**Full Marks:50**

#### **Overview**

History of Internet, Internet services: telnet, e-mail, ftp, WWW. Equipments required for an Internet Connection, Opening an e-mail account, Reading and Writing e-mail., ftp, www

URL, Surfing the Internet., Search Engine, uploading and downloading.

#### **Web Browsers:**

functions and working principle of web browsers; plug-ins & helper applications; conceptual architecture of typical web browsers (like Mozilla).

#### **Introduction to Client/Server Computing:**

client-server computing basics; types of Client/Server systems; middleware; N-tired systems: 2-tier/3-tier/4-tier systems; Fat Clients versus Fat Servers.

#### **Web Servers:**

Web services and web server functionality; web server composition; Conceptual architecture of a typical web server (like Apache).

#### **Introduction to HTML**

Hypertext Markup Language (HTML), Writing a web page in HTML, Different Tags, hyperlinks, tables, text formatting in web pages, Using graphics and multimedia in web pages; image maps., Use of frames and forms.

#### **Client-Side Scripting**

A brief introduction of client side scripting, different types of client side scripting language. Case study with Javascript [ Constants, variables, operators, expressions, statements. Use of user-defined and built-in functions, Client-side Form validation using JavaScript, Using properties and methods of built-in objects.]

#### **Server-Side Scripting**

A brief introduction of server side scripting, different types of server side scripting languages. Difference between client side and server side scripting.

## **ITOL-314: E Commerce**

**Full Marks:100**

**E-Commerce** – Concept, E-Commerce practice v/s traditional practices, Benefits of E-Commerce to organisation, consumers and society. Limitations of E-Commerce.

**Types of E-Commerce** : B2C, B2B, C2C, P2P. Major Business to Consumer (B2C) Business Models : Portal, E-tailer, Content Provider, Transaction Broker, Market Creator, Service Provider, Community Provider. Applications in B2C – E-Banking, E-Trading, E-Auction ( Introduction and overview of these concepts)

**Application in B2B** : Major Business to Business B2B Business Models – E distributor, B2B Service Provider, Matchmaker. Benefits of B2B on procurement, Just in Time Delivery. Consumer to Consumer (C2C) Business Models, Peer to Peer (P2 P) Business Models.

**Building an E-Commerce Website:** Planning- The systems developments life cycle, System Analysis- Identify Business Objectives, System functionality and Information requirements. System Design- Hardware and Software Platforms. Building the System- Inhouse v/s Outsourcing. Hosting, Testing the system, implementation and Maintenance.

**Security and Encryption:** The E-Commerce Security Environment – Dimensions of E-Commerce Security. Security Threats in the E-Commerce Environment- Malicious Code, Hacking, Credit Card Fraud, Spoofing, Denial of Service (DoS) Attacks, Sniffing. Technology Solutions – Protecting Internet Communication, Encryption, Securing Channels of Communication, Secure Sockets layer (SSL), Protecting Networks – Firewalls and Proxy Server, Protecting Servers and Clients.

**E-Commerce Payment Systems:** Digital Wallets, Digital Cash, On line Stored Value Systems, Digital

Accumulating Balance Payment Systems, Digital Credit Card Payment Systems, Digital Cheque Payment Systems.

**E-Commerce and India** – Overview of E-Commerce in India.

**ITOL-318: Laboratory(ITOL-311)**

**ITOL-319: Laboratory(ITOL-312+ ITOL-313)**

**ACADEMIC CALENDAR**  
**Gauhati University Institute of Distance and Open Learning**  
**Guwahati- 781014, Assam**

<b>ADMISSION</b>			
<b>SEMESTER (TRADITIONAL PROGRAMME)</b>			
A	1	Fresh	July-September
	2	Continuation	July-September
<b>SEMESTER (IT PROGRAMMES)</b>			
B	1	Fresh	July-September
	2	Continuation	Odd Semester (July-September)
			Even Semester (January-February)
<b>ADMISSION TEST FOR M.Sc. IT PROGRAMME</b>			
C	August		
<b>ANNUAL PROGRAMMES</b>			
D	1	Fresh	July-September
	2	Continuation	July- September
<b>DISTRIBUTION OF SLM</b>			
<b>SEMESTER/ANNUAL (TRADITIONAL PROGRAMMES)</b>			
A	1	Fresh	July-October
	2	Continuation	July-October
<b>SEMESTER (IT PROGRAMMES)</b>			
B	1	Odd Semester	July-October
	2	Even Semester	Jan-March
<b>CONTACT CLASSES</b>			
<b>SEMESTER (TRADITIONAL PROGRAMMES)</b>			
A	1	Odd Semester	September-December
	2	Even Semester	March-June
<b>SEMESTER (IT PROGRAMMES)</b>			
B	1	Odd Semester	September-December
	2	Even Semester	March-June
<b>ANNUAL PROGRAMME</b>			
C	1	Previous	December-May
	2	Final	December-May
<b>EXAMINATION : TERM END</b>			
<b>SEMESTER (TRADITIONAL/IT)</b>			
A	1	Previous	July-August (All Sundays)
	2	Final	July-August (All Sundays)
<b>ANNUAL</b>			
August-September (All Sundays)			
B	<i>Schedule may change as per directive of the controller of Examination, GU/Govt. of Assam</i>		

<b>EXAMINATION: Sessional (OMR based Internal Examination)</b>			
A	<b>SEMESTER (TRADITIOAN/IT)</b>		
	1	Odd Semester	November
	2	Even Semester	May
<b>ANNUAL</b>			
January			
<b>DECLARATION OF RESULT (Term End)</b>			
<b>SEMESTER (TRADITIONAL/IT)</b>			
A	1	Odd Semester	May-June
	2	Even Semester	November-December
B	<b>ANNUAL</b>		
	Januray		

**ENCLOSURE-III**  
**SLM covering syllabus**

<b>Sl. No.</b>	<b>Semester</b>	<b>Course No</b>	<b>Paper Name</b>
1	I	ITOL-111	Fundamentals of Computer
2		ITOL-112	Digital Systems
3		ITOL-113	Communicative English
4		ITOL-114	Mathematics –I
5	II	ITOL-121	Introduction to Programming using C
6		ITOL-122	Environmental Studies
7		ITOL-123	Mathematics II
8		ITOL-126	Computer Based Accounting and Financial Management
9	III	ITOL-124/211	Computer Organization and Architecture
10		ITOL-212	Data Structure using C
11		ITOL-213	Operating System
12		ITOL-214	System Analysis & Design
13	IV	ITOL-226	Numerical Analysis
14		ITOL-223	Database Management System
15		ITOL-224	Computer Network & Internet
16		ITOL-225	OOP using C++
17	V	ITOL-311	Computer Hardware & System Administration
18		ITOL-312	Programming in JAVA
19		ITOL-313	Web Technology
20		ITOL-314	E Commerce
21	VI		Elective – I
22			Elective – II



**GAUHATI UNIVERSITY**  
**INSTITUTE OF DISTANCE AND OPEN LEARNING**

**Programme Project Report (PPR)**

**PPR ID : GU/GUIDOL/PPR/24 (Total no. pages : 28 )**

**Programme: B.Sc. in Information Technology (B.Sc.-IT)**

**1. Programme Mission and Objective:**

The mission of the Programme is *"to provide quality higher education, develop technical and managerial skills that enable learners to understand the impact of technological changes and also appreciate the usage of Information Technology in academics, business and industry."*

**Objectives of the Programme:**

- *to open a channel of admission for computing courses for learners, who are interested in taking Information Technology as a career.*
- *to provide a substantial understanding of concepts in key areas of computer science.*
- *to develop and promote technical skills needed to design, implement, and test solutions in the field of information technology.*
- *to help learners acquire professional competence in developing software and in its design and implementation.*

**2. Relevance of the Programme with HEI's Mission and Goals:**

Gauhati University was established in 1948 with a mission to revitalize educational leadership, to set the standard for the production and dissemination of knowledge as well as to become an effective instrument of change in the society. With this aim in view, the department of computer Science, Gauhati University was established in the year 1985 with an objective to produce computer science and IT professionals for software industries, research and educational institutions and other organizations in India and abroad, so as to enhance employment and association of the new generation in these fields and related areas. The courses and programmes in the colleges (affiliated to Gauhati University) under the computer science department are

- Major Course in Computer Science
- General Course in Computer Science
- Vocational Course in Computer Application
- Vocational course in Information Technology
- BCA
- BSc(IT)
- PGDCA
- Certificate Course in Computer Application(Six Months)

Keeping in view the motto of “*Quality Higher Education For All*”, Bachelor in Information Technology (BSc-IT) to be offered through ODL mode is very much relevant to the HEI’s mission and goals as it aims to provide quality higher education in computer science and information technology to those aspiring candidates who are deprived of higher education due to various serious and unavoidable circumstances. Moreover, to keep the quality intact the curriculum and syllabus has been designed at par with the conventional mode keeping in mind the specific needs and acceptability of the learners in the ODL mode and in keeping with the aims and objectives of Gauhati University.

### **3. Nature and Target Group of Learners:**

Our target group includes:

- (1) those who are deprived of admission in the conventional mode due to limited intake capacity.
- (2) those employed in various organizations who desire to pursue higher education as a passion or as a means for movement up the promotional ladder
- (3) drop-outs primarily due to social , financial and economic compulsions as well as demographic factors.
- (4) job seekers.

### **4. Appropriateness of the Programme to be Conducted in the ODL Mode for Acquiring Specific Skills and Competence:**

The BSc-IT programme to be offered through ODL mode will have certain learning outcomes. This programme will help the learners

- to function effectively in this dynamic technological era

- to enhance and develop their technical knowledge for understanding and finding solution to the real world problems
- in designing databases and managing them, and to acquire sound knowledge in software engineering and web-based applications
- by giving educational opportunity to go for Master's programme at any other university/institute
- to make themselves fit to embrace the future developments and retaining professional relevance

## 5. Instructional Design:

- a) Curriculum Design:** The curriculum is designed by a committee comprising experts from the parent department and ODL mode of Gauhati University, keeping in view the needs of the diverse class of learners.
- b) Detailed Syllabus:** Please refer to Enclosure-I.
- c) Duration of the Program:** Minimum 3 (three) years. However, the learners are required to complete the programme within 6 (six) years from the date of admission.
- d) Instructional Delivery Mechanism:** The programme will be delivered in 6(six) semesters. The learners will be provided with the printed SLM which covers almost all the contents in the syllabus (*Enclosure-III*). Counseling/regular classes for both theory and practical will be held in various affiliated study centres. Telephonic Counseling and providing online learning resource will also be a part of instructional delivery mechanism. The progress of the learners will be assessed periodically. At the end of each semester, learners' performance will be evaluated by Term/Semester-end examination.
- e) Faculty:**
- i. Full Time**
1. Dr. Ridip Dev Choudhury, M.Sc. (Comp. Sc.), Ph.D – Course Co-ordinator cum Assistant Professor, GUIDOL
  2. Dr. Khurshid Alam Borbora, M.Sc. (Comp. Sc.), Ph.D - Assistant Professor, GUIDOL
  3. Mr. Swapnanil Gogoi, M.Sc. (Comp. Sc.) - Assistant Professor, GUIDOL
  4. Mrs. Pallavi Saikia, M.Sc. (Comp. Sc.) - Assistant Professor, GUIDOL
  5. Mr. Hemanta Kalita, M.Sc. (IT), M.Tech. - Assistant Professor, GUIDOL

6. Mrs. Rita Chakraborty, M.Sc. (IT) - Assistant Professor, GUIDOL

ii. Resource persons are drawn from amongst teachers of affiliated colleges, researchers, faculty members of the Department of HEI and from corporate sector for this programme.

f) **Media:** Print Media, ICT enabled tools, Multi-Media and e-Learning Portal.

g) **Student Support Services:** In order to successful execute of this programme, there are a wide range of support services. The various support services are listed as below:

i. **Network of Study Centres:** To assist its learners in ODL mode the University has established 96 study centres (list enclosed) throughout the State of Assam and but within its territorial jurisdiction.

ii. **State of the art Library:** with around 7 thousand collections of materials which includes books, journals, magazines, CD and DVDs.

iii. **E- Learning Portal:** [www.bodhidroom.guidol.in](http://www.bodhidroom.guidol.in) the first of its kind in the entire North east region of India. This portal provides the following services to the learners:

- Online enrolment of students
- Independent Discussion Forum for every course
- Independent News Forum for every course
- Online interaction facility with faculty members
- Online interaction between the students making the scope of collaborative learning
- Interaction through chatting of all users of all courses who are online
- Separate Chat Room for individual course
- **Message My Teacher:** When a student logs in to Bodhidroom, after enrolling himself/herself to a course, he/she will see the names of the virtual class teachers. Student can directly send offline messages to the teachers. When the teacher is logged on, he will receive an alert of incoming messages. Then he can reply to the message.
- Online Study Material
- Old Examination Question Papers

- iv. **Dynamic Website (www.idolgu.in):** For ODL learners, the University has a separate website, www.idolgu.in, where one can get all the information regarding ODL programmes, up-coming events, examination results etc.
- v. **Computerised Admission Process with Provision of Online Admissions:** The whole system of admissions and examinations are managed using professional software which gives instant online access to learners and can be accessed through www.idolgu.in.
- vi. **Flexible Walk in Group Counselling (FWGC):** Regular group and individual counselling will be held in the headquarter complex during all working days. Learners may walk-in to the designated counselling room and meet their teachers to clarify their doubts.
- vii. **Personal Contact Programme (PCP):** In addition to the Study Materials, useful theory/practical classes will be conducted at different study centres, which will enable learners to clarify their confusions and ease their difficulty while going through it. Qualified faculty members of affiliated study centres will help out the attending students by providing necessary tips and guidelines during the class. These classes are also meant to give the students a chance to meet the teachers personally and discuss their problems.
- viii. **Community FM Radio:** Gauhati University has its own Community radio station named as “Radio Luit 90.8 FM” and operates daily from 8AM to 8PM. The Community Radio station shall be extensively used to broadcast radio talks on various courses daily. The broadcast contents are designed as per the requirements by teaching staff of both the ODL institute as well as the parent department. Experts are outsourced if the need arises.

#### **6. Procedure for Admissions, Curriculum Transaction and Evaluation:**

**Admission:** The admission process shall start from August and end by the end of September every year. The learner can go for either offline or online admission process. To get admission to this programme, a student must have passed 10+2 in science stream or should complete 3 years Polytechnic Diploma. The proposed fee for admission is Rs 8000.00 (Eight Thousand only) per semester. Financial Assistance is provided to the learners belong to SC/ST and OBC category in the form of scholarship. A Few learners belonging to the economically deprived section as well as the physically challenged category are provided free ship on the recommendation of the Vice Chancellor

**Curriculum Transaction-** The curriculum will be transacted throughout the year as per the following activity planner:

- Regular Counseling/Classes/Practicals will be carried out for minimum of 4 (four) months per semester.
  - a) For odd semesters classes will start from the month of March and end by June every year and
  - b) For even semesters classes will start from the month of October and end by the end of January every year.
- Regarding the classes related to theory and practical courses/papers,
  - a) One theory class, of one hour duration, for each course/paper will be conducted in a week.
  - b) One practical class, of two hours duration, for each course/paper with practical component will be conducted in a week.
- For slow-learners, few remedial classes/counseling will be conducted as necessary.

**Evaluation:** Each course/paper will carry 100% weightage for the term/semester-end examinations. In order to pass/clear a course/paper, a candidate must secure minimum 35% marks in case of theory course/paper and 40% marks in practical as well as in the final project. All examinations are conducted by the Controller of Examinations as per Rules and Regulations of Gauhati University.

#### **7. Requirement of the laboratory support and Library Resources:**

The University has a State of the Art Central Library with rich collections of materials which includes books, journals, magazines, CD and DVDs, and is accessible to the ODL learners as well. Moreover, the Institute has its own Library where various books, journals and magazines are available.

Gauhati University being a member of UGC-Infonet Digital Library Consortium (<http://www.inflibnet.ac.in/econ/index.php>) which provides current as well as archival access to more than 5000 core and peer-reviewed journals and nine bibliographic databases from 23 publishers and aggregators in different disciplines. The ODL learners can access the e-resources of UGC-Infonet Digital Library Consortium from the Gauhati University campus.

For conducting theory and practical classes, there are 2 (two) Digital Classrooms and 2 (two) Computer Laboratories with the following facilities available at HQ:

	<b>Item</b>	<b>Quantity</b>
<b>Computer Lab 1</b>	Desktop Computer	55
	LCD Overhead Projector	1
	Document Scanner with Overhead Projector	1
	40 inch LED TV for parallel display with the LCD projector	1
	Smart Board	1
	Sound System with Lapel Connectivity	1 Set
	Split AC	4
	LAN Connectivity	
	Internet Connectivity provided by NKN	
<b>Computer Lab 2</b>	Desktop Computer	22
	55 inch LED TV used for projection	1
	Split AC	2
	LAN Connectivity	
	Internet Connectivity provided by NKN	
<b>Digital Classroom 1</b>	Intake Capacity	64
	LCD Projector	1
	Sound System with Lapel Connectivity	1 Set
	Podium	1
	Split AC	3
	LAN Connectivity	
	Internet Connectivity provided by NKN	
<b>Digital Classroom 2</b>	Intake Capacity	100
	LCD Projector	1
	Sound System with Lapel Connectivity	1 Set
	Podium	1
	Split AC	4
	LAN Connectivity	
	Internet Connectivity provided by NKN	

*It is also mandatory for all Study Centres offering BSc-IT and related programmes to have similar facilities.*

**8. Estimated cost of the Programme:** Total estimated cost of the programme is approximately Rs. 52.5 Lakhs which includes preparation and printing of SLMs, remuneration of the Resource persons, establishment cost and overheads. The estimate is evaluated considering the unit expenses of Rs.2.5 Lakhs per paper /1000 students for the entire duration of three years.

**9. Quality assurance Mechanism and Expected Programme outcome:**

- **Quality assurance Mechanism:** GUIDOL has an Internal Quality Assurance Cell constituted by the statutory body of the HEI. Members of the Cell are drawn from among the Deans of the different Faculty, Heads of the respective departments, Executive Council members, administrative staff and teaching staff of the institute.
- **Expected Programme outcome:** The expected programme outcome is reflected in the Course Benchmark Statement, which is stated as below:

**Course Benchmark Statement:** Bachelor Degree in Computer Application shall be awarded to those learners who demonstrate:

- essential knowledge in each functional area of Computer Science and Information Technology,
- technical knowledge for understanding and finding solution to the real world problems,
- professional competence in developing software and in its design and implementation,
- concept of new software technologies and extend their theoretical knowledge in specific areas of interest in academia and the industry.



## **Enclosure-I**

### ***Syllabus***

#### **SEMESTER-I**

<b>Course No</b>	<b>Paper Name</b>	<b>Credit</b>
ITOL-111	Fundamentals of Computer	3
ITOL-112	Digital Systems	3
ITOL-113	Communicative English	2
ITOL-114	Mathematics –I	3
ITOL-119	Laboratory (DOS and UNIX commands and Office Automation)	4

#### **SEMESTER -II**

<b>Course No</b>	<b>Paper Name</b>	<b>Credit</b>
ITOL-121	Introduction to Programming using C	3
ITOL-122	Environmental Studies	3
ITOL-123	Mathematics – II	3
ITOL-124/211	Computer Organization and Architecture	3
ITOL-129	Laboratory (ITOL-121)	4

#### **SEMESTER -III**

<b>Course No</b>	<b>Paper Name</b>	<b>Credit</b>
ITOL-212	Data structure using C	3
ITOL-213	Operating System	3
ITOL-214	System Analysis & Design	3
ITOL-215	Theoretical Foundation of Computing	3
ITOL-218	Laboratory(ITOL-212)	4

**SEMESTER- IV**

<b>Course No</b>	<b>Paper Name</b>	<b>Credit</b>
ITOL-222	Data Communication and Computer Networks	3
ITOL-223	Database Management System	3
ITOL-225	OOP using C++	3
ITOL-226	Numerical Analysis	3
ITOL-228	Laboratory (ITOL-223+ ITOL-225)	4

**SEMESTER-V**

<b>Course No</b>	<b>Paper Name</b>	<b>Credit</b>
ITOL-311	Computer Hardware & System Administration	2
ITOL-312	Programming in Java	3
ITOL-313	Web Technology	2
	Elective I	3
ITOL-318	Laboratory (ITOL-311)	2
ITOL-319	Laboratory (ITOL-312+ ITOL-313)	4

**SEMESTER VI**

<b>Course No</b>	<b>Paper Name</b>	<b>Credit</b>
	Elective II	4
ITOL-326	Project	10

### **Courses for Electives:**

ITOL-501: Artificial Intelligence

ITOL-502: Data Mining

ITOL-503: E-Learning Technologies

ITOL-504: Object Oriented Design using UML

ITOL-505: Software Engineering

ITOL-506: Advanced Web Technology

### **DETAIL SYLLABUS:**

#### **SEMESTER – I**

#### **ITOL-111: FUNDAMENTALS OF COMPUTER**

**Full Marks: 100**

What is Computer and its History, Generation of Computers, Classification of Computers; Components of a Digital Computer: CPU, Memory, I/O devices; Storage Devices, Backup System and its use.

What is Computer Software and its need, Types of Computer Softwares; Computer languages, Generation of Computer Languages, Classification of Computer Languages; Computer Viruses.

#### **ITOL-112: DIGITAL SYSTEMS**

**Full Marks: 100**

Digital Computers and Digital Systems, Binary Numbers, Number Base Conversion, Octal and Hexadecimal Numbers, Complements, Binary Codes, Binary Storage and Registers, Binary Logic, Integrated Circuits

Boolean Operators, Boolean Algebra and its Rules, Dual and Complement of Boolean Expression, Sum of Product and Product of Sum, Conversion between Boolean Expression and Truth Table, Boolean Expression and their Simplification by Algebraic Method, Karnaugh Map.

Half Adder, Full Adder. Decoder, Encoder, Multiplexer, Demultiplexer.

Flip-Flops and its different types and Registers.

## **ITOL-113: COMMUNICATIVE ENGLISH**

**Full Marks:100**

Scope and Meaning of Communication; Essentials of Good Communication- Listening and Reading Skills, Difference between the Spoken and the Written Form, Verbal and Non-Verbal Communications, Gestures and Body Language, Formal and Informal Communication; Levels of Communication - Upward/Downward/Horizontal Communication, Barriers of Communication.

Mechanisms of Effective Oral Communication- How to Speak a Language clearly, fluently and naturally; Pronunciation, Difference between Spelling and Pronunciation, Everyday Conversation (with elders, friends, strangers etc.); Group Discussion and Facing an Interview Board; Public Speaking(Addressing a Meeting, Debate etc.), Practical Exercises.

Mechanisms of Effective Written Communication – Punctuation, Sequencing of Ideas, Building Paragraph/Body, a Good Introduction and Conclusion; Word Buildings, Making Sentences from Phrases and Idioms; Writing and Presentation of Reports; Writing Notes, Memos and Short Notes; Writing Letters for Business and Office Use; Writing Complaints; Placing Orders ; Summery Writing.

Extensive Oral and Written Examples of various kinds of English used in the field of Science and Technology.

## **ITOL-114: MATHEMATICS –I**

**Full Marks: 100**

### **Sets, Relations and Functions**

Sets, relations, properties of binary relations, closures of relation, equivalence relations, equivalence classes and partitions. Partial ordering relations and lattices. Functions, one to one and onto, principles of mathematical induction.

### **Sequence and Series**

Sequence of Real Numbers, Bounded Sequences, Convergent and Non-Convergent Sequences, Uniqueness of the Limit and Bounds of a Convergent Sequence, Cauchy Sequence, Cauchy's General Principle of Convergence (proof of the necessary part only), Subsequences, Convergence and Divergence of Monotonic Increasing and Decreasing Sequences, Algebraic Operations on Limit (statements of the theorems without proof), Infinite Series, Statements of Basic Properties of Infinite Series (without proof). Absolute and Conditional Convergence, Some useful test for Convergence and Divergence: Comparison Test, D'Alemberts Ratio Test.

## **Matrices**

Row and column operations, vectors and matrices, partitioning of matrices, representing relations using matrices, Determinant of a square matrix, minor, cofactor, the Cayley Hamilton theorem, inverse of a matrix, product form of inverse. Rank of a matrix. Solutions of simultaneous linear equations, existence of solutions, solution by Gaussian elimination, Eigen values and Eigen vectors.

## **Trigonometry**

Geometrical Representation of Complex Numbers- the Argand Plane, Polar Form of a Complex Number, Modulus, Amplitude and their various properties, De Moivre's Theorem and its Application, Expansion of  $\cos(x)$ ,  $\sin(x)$  and  $\tan(x)$  in Positive Integral Powers of  $x$

## **ITOL-119: PRACTICAL I(Operating System and Office Automation)**

**Full Marks:100**

DOS commands

UNIX commands

MS-Word, MS-PowerPoint, MS-Excel, MS-access

## **SEMESTER – II**

## **IT-121: Introduction to Programming using C**

**Full Marks:100**

Algorithm, Flowchart, Pseudo Code.

Structure of a C program, Tokens, Storage Classes (Automatic, External, Static, Register), Variables, Constants and Identifiers, Syntax and Semantics Error.

Data types, Initialization of Variable during Declarations, Operators in C and their Precedence.

Conditional Statements: if, if-else, switch

Iterative Statements: while, do-while, for

Other Statements: break, continue, goto, return

What is Arrays, One Dimensional Array and Two-Dimensional Array, Declaration of Arrays, Operations on Arrays.

Function: Function Declaration and Definition, Parameters, Actual Parameter, Formal Parameter. Calling a Function: Call by Value, Call by Address. Passing an Array to a Function, Recursive Function.

What is Pointer, Declaration of Pointer Variables, Operations using Pointer Variables.

Structure and Union, Declaration, Operations using Structure.

## **ITOL-122: ENVIRONMENTAL STUDIES**

**Full Marks:100**

### **The Multidisciplinary nature of environmental studies**

Definition, Scope and Importance, Need for Public Awareness.

### **Natural Resources**

Renewable and Non-Renewable Resources, Natural Resources and Associated Problems (Forest Resources, Water Resources, Mineral Resources, Food Resources, Energy Resources, Land Resources), Role of an Individual in Conservation of Natural Resources.

### **Ecosystems**

Definition , Structure and Function of and Ecosystem, Producers, Consumers and Decomposers , Energy Flow in the System , Ecological Succession , Food Chains, Food Webs and Ecological Pyramids and its types, Characteristic Features, Structure and Function of the different Ecosystem(Forest Ecosystem, Grassland Ecosystem, Desert Ecosystem, Aquatic Ecosystem: Ponds, Streams, Lakes, Rivers, Oceans, Estuaries etc.)

### **Biodiversity and its conservation**

Definition, Genetics, Species and Ecosystem Diversities, Bio-geographical Classification of India, Value of biodiversity ( consumptive use, productive use, social, ethical, aesthetic and option values) , Biodiversity at global, national and local level, India as a mega-diversity nation, Hot-spots of biodiversity ,Threats to biodiversity( habitat loss, poaching of wild life, man-wild-life conflicts) , Endangered and endemic species of India.

Conservation of biodiversity (In-situ and ex-situ conservation of biodiversity)

### **Environmental pollution**

Definition, Causes, effects and control measure of different environmental pollution (air pollution, water pollution, soil pollution, marine pollution, noise pollution, thermal pollution, nuclear pollution).

Solid waste management (Causes, effects and control measures of urban and industrial waste).

Role of individual in prevention of pollution, Pollution case studies.

Disaster management (floods, earthquake, cyclone and landslides).

### **Social issues and the Environment:**

Urban problems related to energy, Water conservation, rain water harvesting, watershed management, Resettlement and rehabilitation of people, its problem and concern, case studies.

Environmental ethics (issues and possible solutions, Climate change, global warming, acid rain, ozone layer depletion, nuclear accidents and holocaust, case studies), Waste land reclamation, Consumerism and waste product, Environment protection acts.

Air (prevention and control of pollution) acts, Wild life protection act, Forest conservation act, Issues involved in enforcement of environmental legislation, public awareness.

### **Human population and the environment**

Population growth, variation among nations, Population explosion- family welfare programme, Environment and human health, Human rights, Value education, HIV/ AIDS Women and child welfare, Role of information technology in environment and human health, Case studies

## **ITOL-123: MATHEMATICS – II**

**Full Marks:100**

### **Mathematical Statistics:**

Collection of data, frequency distribution, measures of central tendency Mean, Media Mode, Mean Deviation, Standard Deviation and Dispersion, Skewness .Basic concept of Probability, Properties of probability, conditional probability. Baye's Theorem, Concepts on Discrete and Continuous random variables and Binomial distribution , Poisson distribution and Normal distribution and its properties.

### **Differential Calculus**

Concept of Limits, Continuity and Differentiability, Differentiation, Rolle's Theorem and its Applications, Lagrange's Mean Value Theorem and its Applications and Taylor's Theorem. Partial Derivatives, Indeterminate Forms, Maxima and Minima for single and two Variables, Lagrange's Multiplier.

### **Integral Calculus**

Elementary Methods and Properties of Integration, Definite Integrals and its Properties, Concept of Indefinite Integral, Application of Integral Calculus(length, area, volume), Idea of Multiple Integrals Fourier Series.

## **ITOL-124/211: COMPUTER ORGANIZATION AND ARCHITECTURE**

**Full Marks:100**

Functional Units of a Computer, Basic Instructions, Interconnection of Functional Units, Bus Structure, Memory Locations, Memory Addresses, Memory Operations, Instruction and Instruction Sequencing (Straight Line Sequencing and Branching), Addressing Modes, Introduction to Assembly Language, Stack, Subroutine, I/O instructions.

Introduction, Inter Register Transfer, Arithmetic Micro-operation, Logic Micro-operation, Shift Micro-operation, Conditional Control Statements, Fixed Point Binary Data, Instruction Code, Design of a Simple Computer.

Processor organization, Design of Arithmetic and Logic Circuit, Status Register, Design of Accumulator.

Hardwired Control, Micro-programmed Control Block Diagram, Symbolic Micro-program, Micro-programmed CPU Organization.

Program Controlled I/O, Interrupts: enabling and disabling interrupts, handling interrupts from multiple sources (priority control), DMA. Structure and Working of Hard Disk, CDROM, Printer.

Semiconductor Memory, SRAM, DRAM, ROM and their Speed, Size and Cost; Cache Memory, Mapping Functions, Replacement Algorithms.

**ITOL-129: Laboratory (ITOL-121)**

**Full Marks:100**

### **SEMESTER-III**

## **ITOL-212: DATA STRUCTURE USING C**

**Full Marks: 100**

### **Introduction:**

Concept of Data and Data Types, Abstract data type

### **Arrays :**

Definition , Types, memory representation, address translation functions for one & Two dimensional arrays, Different operations.

### **Linked Structure:**

Singly linked list, Differences between linked list and arrays, doubly linked list, circular link list , insertion, deletion and traversal of elements in different linked lists.



## **Stacks and Queues**

Definition of Stack and Queue, implementation of stack and queue using array and linked list structure, application of stack and queues, postfix conversion and evaluation of arithmetic expressions, priority queue

## **Binary trees:**

Tree, Definition of binary tree and properties, memory representation, Binary search tree (construction, insertion, deletion and search), Trees traversal algorithms : Preorder, Postorder and Inorder(recursive and non-recursive), Breadth First Search, Depth First Search, Balanced trees, Threaded trees

## **Searching :**

Linear and binary search algorithms, performance and complexity, Hashing

## **Sorting:**

Different sorting algorithms and its performances and complexities (Bubble sort, insertion sort, selection sort, radix sort, merge sort, quick sort, heap sort)

## **File Structure:**

Sequential, Index sequential file structure

## **ITOL-213: OPERATING SYSTEM**

**Full Marks:100**

### **Introduction:**

What is an operating system, batch systems, single user and multi user system, multiprogramming, time-sharing systems, personal computer systems, parallel systems or multiprocessing, distributed systems, real-time systems.

### **Processes Management:**

Process , Thread, design issues of thread, user space thread and kernel space thread. Usage of thread. Process states, Implementation of process:- process table, Race condition, Critical-Section, mutual exclusion.

Process scheduling, preemptive and non preemptive scheduling. Scheduling Algorithms, Goals of scheduling algorithms

What is Deadlocks, System Model, Deadlock Characterization, Methods for Handling Deadlocks, Deadlock Prevention, Deadlock Avoidance, Deadlock Detection and Recovery.

**Memory management:**

Allocation, Address binding (relocation), and protection, Swapping, paging, segmentation

Virtual memory - logical versus physical address space, paging, page fault, page table and its entries, demand paging, multi level page table.

**File system:**

Definition, file naming, file types(directory, regular, device), sequential access and random access files, file attributes, operations on file, free space management, directory management, path name(relative and absolute), operation on directories, mounting, contiguous allocation linked list allocation, FAT, i-nodes, directories in UNIX

**I/O management:**

Basic principles and overall structure of I/O management subsystem, Device controllers, block I/O, character I/O, DMA and interrupt driven I/O, interrupt handlers, device driver, device independent I/O software and user space I/O software.

**ITOL-214: System Analysis & Design****Full Marks:100**

Concept of System, Characteristics, Elements and Types of a System, The System Development Life Cycle, Considerations for Candidate System. System Analysis, The Role of System Analyst. System Planning and Initial Investigation, Information Gathering and Information Gathering Tools.

Structured Analysis, Data Flow Diagram(DFD), Data Dictionary, Decision Tree, Pseudo Codes, Decision Tables, System Performance Definition, Feasibility Study, Cost/Benefit Analysis.

The Process and Stages of System Design, Design Methodologies, Development Activities. Input Design, Output Design, Types of Forms, Basics of Form Design, Layout Considerations and Forms Control.

File Structure, File Organization, System Testing and its Requirement, Trends in Testing, Training and Documentation.

Implementation and Maintenance of Software, Post Implementation review. Selection of Hardware and Software, System Security, Disaster Recovery Planning.

## **ITOL-215: THEORETICAL FOUNDATION OF COMPUTING**

**Full Marks: 100**

Finite Automata and Regular Expression, DFA, NFA, NFA with  $\epsilon$ -moves, Equivalence of DFA and NFA, pumping lemma, Reduction of the number of states in a finite automata

Concept of languages and grammar, Regular expressions, Kleene closure, Algebra of regular expression, Regular Languages, Regular grammars

### **Context free languages**

Definition, Context-free grammars, leftmost and rightmost derivations, derivation trees, Parsing and Ambiguity in grammars and languages, Simplification of Context free Grammars- removing useless productions, empty-productions and unit-productions, Normal forms- Chomsky and Greibach normal forms, Non context free languages , Closure properties of CFL, pumping lemma for CFL

### **Pushdown Automata (PDA)**

Definition, Deterministic PDA and Deterministic Context free Languages, Equivalence of CFG and PDA

## **IT-218: Laboratory(ITOL-212)**

**Full Marks: 100**

## **SEMESTER – IV**

## **ITOL-222: DATA COMMUNICATION AND COMPUTER NETWORKS**

**Full Marks:100**

### **Introduction to Computer Networking:**

Overview of Computer Network, The uses of computer network, Network Topologies, Layered Architecture, Relationship of Service to Protocol, Interface between layers, Connection oriented vs. Connectionless service The OSI reference model, TCP reference model, General Comparison between OSI and TCP/IP

The maximum data rate of a channel, Guided and wireless transmission media, satellite communication and their relative merits and demerits, Nyquist law, Shanno's Law, Interconnecting Devices: Repeaters, hubs, bridges, switch, routers and gateways, their functions and difference

### **Medium Access sub layer:**

Channel allocation Static and Dynamic, Pure and slotted ALOHA, Persistent and non Persistent CSMA, CSMA/CD, cable type and length and other characteristics, IEEE 802.3 Ethernet frame format

**Data Link layer:**

Data Link layer design issues: services provided to the network layer, framing, error control, flow control, link management. Error detection and correction.

**Network Layer:**

Virtual circuit vs datagram subnet, Establishment of connection in connection oriented services, Routing Algorithms: distance vector routing, link state routing, Flow control, Definition of congestion and quality of service. Internet protocols (IP) address structure and frame format.

**Transport Layer:**

Works of the transport layer, Basic functionality of transport layer, connection establishment, connection release, end to end flow control, Concept of Socket and Port.

The TCP and UDP protocols.

**The Application Layer:**

Client Server Model, Concept of DNS, Telnet, WWW , HTTP, URL, Electronic mail.

**IT-223: DATABASE MANAGEMENT SYSTEM****Full Marks:100****Introduction:**

What is DataBase, Differences between Traditional File Approach and DataBase, Components of Data Base system, Advantages of DBMS, DBMS architecture, Data independence, ANSI/SPARC 3 level architecture.

**Data Model:**

Network data model, hierarchical data model

**Relational Models:**

Entity, attribute, tuple, relationship , Fundamental integrity rules: entity integrity, referential integrity, Relational algebra

**Structured Query Language (SQL):**

DDL, DML, DCL

**Data modeling:**

E-R model concept

### **Database design:**

Functional dependencies, different types of keys, Normalization (1NF, 2NF, 3NF, BCNF), multivalued and join dependencies, 4NF and 5NF, Domain key normal form.

### **Data Base transaction:**

Database concurrency, ACID properties, database backup and recovery

### **ITOL-225: OOP Using C++**

**Full Marks:100**

Principles of object-oriented programming:-Object-Oriented Programming Paradigm, Basic Concepts of Object- Oriented Programming, Benefits of OOPs, Object-Oriented Languages, Applications of OOP.

Structure of C++ Program, Tokens, expressions and control structures:-Introduction, Tokens, Keywords, Identifiers Basic Data types, User Defined Data Types, Derived Data Types, Symbolic Constants, Type Compatibility, Declaration of Variables, Dynamic Initialization of Variables, Reference Variables, Operators in C++, C++ Statements, Operator Precedence, Control Structures.

Classes and objects:- Specifying a Class, Defining Member Functions, Making an Outside Function Inline, Nesting of Member Functions, Private Member

Function, Arrays within a Class, Memory Allocation for Objects, Static Data Member, Static Member Functions, Arrays of Objects, Object as Function Arguments. Constructors and destructors:-Introduction, Constructors, Parameterized Constructors, Multiple Constructors with Default Arguments, Dynamic Initialization of Objects, Copy Constructors, Dynamic Constructors, Destructor.

Functions in c++:- The Main Function, Function Prototyping, Call by Reference, Return by Reference, Inline Functions, Default Argument, Const. Arguments, Function Overloading, Friend and Virtual Function.

Operator overloading and type conversions :-Introduction, Defining Operator Overloading, Overloading Unary Operators, Overloading Binary Operators Using Friends, Manipulation of strings using Operators, Rules for Overloading Operators, Type conversions.

Inheritance: extending classes Introduction, Defining Derived Classes, Single Inheritance, Making a Private Member Inheritable, Multilevel Inheritance, Multiple Inheritance, Hierarchical Inheritance, Hybrid Inheritance. Pointers, virtual functions and polymorphism: - Compile time Polymorphism, run time polymorphism, Pointers to Objects, This Pointer, and Pointers to Derived Classes, Virtual Functions.

## **ITOL-226: NUMERICAL ANALYSIS**

**Full Marks:100**

### **Representation of numbers:**

Floating point representation, single and double precision, round off errors and truncation errors.

### **Solution of non-linear equation:**

Bisection method, Newtons method, Regula Falsi method, secant method, fixed point algorithm.

### **Solution of simultaneous linear equation:**

Basic elimination method, Gaussian elimination method, Gauss Jordan method, method of successive approximation.

### **Ordinary differential equation:**

Euler's method, Runge Kutta method

### **Interpolation:**

Newton's interpolation, Lagrange's interpolation

### **Numerical integration:**

Trapezoidal rule, Simpson rule, Newton's Cotes method.

## **ITOL-228: Laboratory (ITOL-223+ ITOL-225)**

**Full Marks: 100**

## **SEMESTER-V**

### **ITOL-311: Computer Hardware & System Administration**

**Full Marks: 50**

**UNIT I:** Evolution of computer system, Modern computer, Classification of computer,

Personal Computer hardware: Monitor, Keyboard, Mouse, Scanner, printer, speaker

**UNIT II:** Hard Disk Drive: logical structure and file system, FAT, NTFS. Hard disk tools: Disk cleanup, error checking, defragmentation, scanning for virus, formatting, installing additional HDD. New trends in HDD. Floppy Disk Drive

**UNIT III:** Optical Media, CDROM, theory of operation, drive speed, buffer, cache, CD-r, CD-RW, DVD ROM, DVD technology, preventive maintenance for DVD and CD drives, New Technologies. Driver installation, Writing and cleaning Cd and DVD.

**UNIT IV:** Processor: Intel processor family. Latest trends in processor, Motherboard, Sockets and slots, power connectors. Peripheral connectors. Bus slots, USB, pin connectors. Different kinds of motherboards. RAM, different kinds of RAM. RAM upgradation.

**UNIT V:** SMPS. BIOS. Network Interface Card, network cabling, I/O Box, Switches, RJ 45 connectors, Patch panel, Patch cord, racks, IP address.

Major components of the Linux operating systems. File system, setting user and group ownership of files and directories and access permissions, basic commands for starting and stopping processes, basic process attributes and their role in access control, mounting and unmounting file systems and partitions.

Linux system monitoring and logging. Examining the list of running processes on the system and understand the data presented there. Monitoring memory usage and disk space usage on the system. Customizing system log configuration.

The rules governing IP address classes and netmasks, Configuring the resolver library to arrange for TCP/IP name service, Bringing interfaces up and down, and set their IP addresses and netmasks,

**Books:**

1. Red Hat Linux: Proffitt: PHI
2. UNIX Network Programming- Vol-I and Vol-II: Stevens: PHI
3. Introduction to System Administration: IBM series: PHI

**ITOL-312: Java Programming**

**Full Marks: 100**

Introduction to Java - Features of Java - Object Oriented Concepts - Lexical Issues - Data Types - Variables - Arrays - Operators - Control Statements.

Classes - Objects - Constructors - Overloading method - Access Control- Static and fixed methods - Inner Classes - String Class - Inheritance - Overriding methods - Using super-Abstract class.

Packages - Access Protection - Importing Packages - interfaces - Exception Handling - Throw and Throws - Thread - Synchronization - Messaging - Runnable Interface - Inter thread Communication - Deadlock - Suspending, Resuming and stopping threads - Multithreading.

I/O Streams - File Streams - Applets - String Objects - String Buffer - Char Array - Java Utilities - Code Documentation.

Networks basics - Socket Programming - Proxy Servers - TCP/IP Sockets - Net Address - URL - Datagrams - Working with windows using AWT Classes - AWT Controls - Layout Managers and Menus.

## **ITOL-313: WEB TECHNOLOGY**

**Full Marks:50**

### **Overview**

History of Internet, Internet services: telnet, e-mail, ftp, WWW. Equipments required for an Internet Connection, Opening an e-mail account, Reading and Writing e-mail., ftp, www

URL, Surfing the Internet., Search Engine, uploading and downloading.

### **Web Browsers:**

functions and working principle of web browsers; plug-ins & helper applications; conceptual architecture of typical web browsers (like Mozilla).

### **Introduction to Client/Server Computing:**

client-server computing basics; types of Client/Server systems; middleware; N-tiered systems: 2-tier/3-tier/4-tier systems; Fat Clients versus Fat Servers.

### **Web Servers:**

Web services and web server functionality; web server composition; Conceptual architecture of a typical web server (like Apache).



### **Introduction to HTML**

Hypertext Markup Language (HTML), Writing a web page in HTML, Different Tags, hyperlinks, tables, text formatting in web pages, Using graphics and multimedia in web pages; image maps., Use of frames and forms.

### **Client-Side Scripting**

A brief introduction of client side scripting, different types of client side scripting language. Case study with Javascript [Constants, variables, operators, expressions, statements. Use of user-defined and built-in functions, Client-side Form validation using JavaScript, Using properties and methods of built-in objects.]

### **Server-Side Scripting**

A brief introduction of server side scripting, different types of server side scripting languages. Difference between client side and server side scripting.

**IT-318:Laboratory (ITOL-311)**

**Full Marks:50**

**IT-319:Laboratory (ITOL-312+ITOL-313)**

**Full Marks: 100**

**ACADEMIC CALENDAR**  
**Gauhati University Institute of Distance and Open Learning**  
**Guwahati- 781014, Assam**

<b>ADMISSION</b>			
<b>SEMESTER (TRADITIONAL PROGRAMME)</b>			
A	1	Fresh	July-September
	2	Continuation	July-September
<b>SEMESTER (IT PROGRAMMES)</b>			
B	1	Fresh	July-September
	2	Continuation	Odd Semester (July-September)
			Even Semester (January-February)
<b>ADMISSION TEST FOR M.Sc. IT PROGRAMME</b>			
C	August		
<b>ANNUAL PROGRAMMES</b>			
D	1	Fresh	July-September
	2	Continuation	July-September
<b>DISTRIBUTION OF SLM</b>			
<b>SEMESTER/ANNUAL (TRADITIONAL PROGRAMMES)</b>			
A	1	Fresh	July-October
	2	Continuation	July-October
<b>SEMESTER (IT PROGRAMMES)</b>			
B	1	Odd Semester	July-October
	2	Even Semester	Jan-March
<b>CONTACT CLASSES</b>			
<b>SEMESTER (TRADITIONAL PROGRAMMES)</b>			
A	1	Odd Semester	September-December
	2	Even Semester	March-June
<b>SEMESTER (IT PROGRAMMES)</b>			
B	1	Odd Semester	September-December
	2	Even Semester	March-June
<b>ANNUAL PROGRAMME</b>			
C	1	Previous	December-May
	2	Final	December-May
<b>EXAMINATION : TERM END</b>			
<b>SEMESTER (TRADITIONAL/IT)</b>			
A	1	Previous	July-August (All Sundays)
	2	Final	July-August (All Sundays)
<b>ANNUAL</b>			
August-September (All Sundays)			
B	<i>Schedule may change as per directive of the controller of Examination, GU/Govt. of Assam</i>		

<b>EXAMINATION: Sessional (OMR based Internal Examination)</b>			
A	<b>SEMESTER (TRADITIOAN/IT)</b>		
	1	Odd Semester	November
	2	Even Semester	May
<b>ANNUAL</b>			
January			
<b>DECLARATION OF RESULT (Term End)</b>			
<b>SEMESTER (TRADITIONAL/IT)</b>			
A	1	Odd Semester	May-June
	2	Even Semester	November-December
B	<b>ANNUAL</b>		
	Januray		

**ENCLOSURE-III**  
**SLM covering syllabus**

Sl. No.	Semester	Course No	Paper Name
1	I	ITOL-111	Fundamentals of Computer
2		ITOL-112	Digital Systems
3		ITOL-113	Communicative English
4		ITOL-114	Mathematics –I
5	II	ITOL-121	Introduction to Programming using C
6		ITOL-122	Environmental Studies
7		ITOL-123	Mathematics – II
8		ITOL-124/211	Computer Organization and Architecture
9	III	ITOL-212	Data structure using C
10		ITOL-213	Operating System
11		ITOL-214	System Analysis & Design
12		ITOL-215	Theoretical Foundation of Computing
13	IV	ITOL-222	Data Communication and Computer Networks
14		ITOL-223	Database Management System
15		ITOL-224	OOP using C++
16		ITOL-225	Numerical Analysis
17	V	ITOL-311	Computer Hardware & System Administration
18		ITOL-312	Programming in Java
19		ITOL-313	Web Technology
20			Elective I
21	VI		Elective – II

**GAUHATI UNIVERSITY  
INSTITUTE OF DISTANCE AND OPEN LEARNING (GUIDOL)**

**PROGRAMME PROJECT REPORT (PPR)**

PPR ID : GU/GUIDOL/PPR/07 (Total no. pages : 41 )

Programme: **Master of Commerce (M.Com)**

**1. Programme mission and Objectives:**

The *mission* of the Programme to be launched is "*to cater to the need of higher education in commerce and to widen the periphery of commerce education.*"

**Objectives** of the Programme:

- To provide adequate basic understanding about commerce education to the learners.
- To develop essential knowledge in each functional business area such as accounting, business management, corporate governance, human resource management, economics, statistics, finance, marketing or entrepreneurship.
- To cater to the manpower needs of various public/private financial institutions and companies in accounting, taxation, auditing and financial analysis & management.
- To generate competent and well-educated man-power for the teaching profession as well as manning positions of research associates in public/private sector academic institutions.

**2. Relevance of the programme with HEI's mission and goals:**

Gauhati University was established in 1948 with a mission to revitalize educational leadership, to set the standard for the production and dissemination of knowledge as well as to become an effective instrument of change in the society. With this aim in view, the Department of Commerce was established in 1948 and over the years has set up, a close association with various PSUs and other formal and informal organizations and various successful and enduring entrepreneurs which gives opportunity to the students to acquire practical knowledge and ideas. The intake capacity of the Department at present stands at 115 students per year in the University Campus and 240 students through various affiliated colleges in regular mode, whereas as per university records available, close to



পঞ্জীকৃত

গুৱাহাটী বিশ্ববিদ্যালয়, গুৱাহাটী-১৪

Registrar

Gauhati University, Guwahati-14

around 7000 students graduate in commerce from different under-graduate colleges affiliated to Gauhati University.

Keeping in view the motto of “*Quality Higher Education For All*” Master of Commerce (M.Com) to be offered through ODL mode is very much relevant to the HEI’s mission and goals as it aims to provide quality higher education in commerce to those aspiring candidates who are deprived of higher education. Moreover, to keep the quality intact the curriculum and syllabus has been designed at par with the conventional mode keeping in mind the specific needs and acceptability of the learners in the ODL mode. The aims and objectives of the parent department are also kept intact.

**3. Nature and target group of learners:** Our target group includes-

- (a) those deprived of admission in the parent Department of regular mode due to limited intake capacity.
- (b) those employed in various organizations who desire to pursue higher education as a passion or as a means for movement up the promotional ladder
- (c) drop outs primarily due to social, financial and economic compulsions as well as demographic factors.
- (d) job seekers and
- (e) life-long learners.

Gauhati University also has a provision in the ODL mode for lateral entry for those who had to discontinue the regular programme after successful completion of the first two semesters due to unavoidable reasons. Acceptability of the lateral entry provision is an indicator of parity of the courses in regular and distance mode. The curriculum is designed to enable learners to fulfill their aims and objectives in a manner they deem fit and proper. The curriculum is designed by a committee comprising of experts from the Department of the HEI , external experts and teachers of IDOL, keeping in view the needs of the diverse groups of learners.

**4. Appropriateness of the programme to be conducted in the ODL mode for acquiring specific skills and competence-**

The M.Com. programme to be offered through ODL Mode will have the following *learning outcomes*.

- Our graduates will be able to demonstrate essential knowledge in each functional business area.
- Our graduates will be able to think critically and to aid in the decision-making process of the organization.
- Our graduates will be able to participate collaboratively and responsibly in teams, and reflect on their own teamwork, and on the team's processes and ability to achieve outcomes.
- Our graduates will have a sound awareness of the ethical, social, cultural and environmental implications of business practice.
- Our graduates will be competent enough to compete in the job market of the related fields.

##### 5. **Instructional Design:**

- a) **Curriculum Design:** The curriculum is designed by a committee comprising experts from the parent department of the HEI and teachers from ODL mode, keeping in view the needs of the diverse group of learners.
- b) **Detailed Syllabus:** File containing detailed syllabus is attached (*Enclosure-I*)
- c) **Duration of the Program:** Minimum 2 years. However, the learners are required to complete the programme within 4 (four) years from the date of admission.
- d) **Instructional Delivery Mechanism:** The programme will be delivered in four(4) semesters having five(5) course/module in each semesters. The learners will be provided with the printed SLM which covers almost all the contents in the syllabus. Counseling class will be held in headquarter and various affiliated study centres. Telephonic Counseling and providing online learning resource will also be a part of instructional Delivery mechanism. The progress of the learners will be evaluated by Internal Assessment and Term end/semester end exam.
- e) **Faculty:(at the headquater/Regional Centre)**
  1. Dr. S. K. Mahapatra, M.Com, Ph.D,  
Associate Prof (parent department) &  
Programme Co-ordinator
  2. Mr. Rajen Chetry, M. Com, PGDBM, PGDCA  
Asst. Professor (Full Time)

3. Resource persons are drawn from the HEI's parent Department and affiliated colleges.

f) **Media:** Print Media and e-learning portal

g) **Student Support Service:** In order to successfully execute the programme, the Institute has a wide range of support services. The various support services are listed as below-

(i) **Network of Study Centres:** To assist its learner, IDOL has established 96 study centres throughout the State of Assam but within the territorial jurisdiction of Gauhati University.

(ii) **State of the art Library** with around 7 thousand collections of materials which includes books, journals, magazines, CD and DVDs.

(iii) **E- Learning Portal:** [www.bodhidroom.guidol.in](http://www.bodhidroom.guidol.in) the first of its kind in the entire North east region of India. Which provides the following services to the students:

- Online enrolment of students
- Independent Discussion Forum for every course
- Independent News Forum for every course
- Online interaction facility with faculty members
- Online interaction between the students making the scope of collaborative learning
- Interaction through chatting of all users of all courses who are online.
- Separate Chat Room for individual course
- **Message My Teacher:** When a student logs in to Bodhidroom, after enrolling himself/herself to a course, he/she will see the names of the virtual class teachers. Student can directly send offline messages to the teachers. When the teacher is logged on, he will receive an alert of incoming messages. Then he can reply to the message.
- Online Study Material
- Old Examination Question Papers

iv) **Dynamic Website** [www.idolgu.in](http://www.idolgu.in) : IDOL has its own dynamic website where one can get all the information regarding IDOL, its programme, up-coming events, examination result etc.



- v) **Computerised admission process with provision of online admissions:** The whole system of admissions and examinations are managed using professional software which gives instant online access to learners. Can be accessed through [www.idolgu.in](http://www.idolgu.in).
- vi) **Flexible Walk in Group Counselling (FWGC):** Regular group and individual counselling will be held in the headquarter/Regional Centre complex as well as in the parent department during all working days. Learners may walk-in to the designated IDOL counselling room and meet their teachers to clarify their doubts.
- vii) **Personal Contact Programme (PCP) :**In addition to the Study Materials, useful Personal Contact Programmes will be held at various affiliated study centres, which will enable the students to clarify their confusions and ease their difficulty while going through it. Qualified faculty members of affiliated study centres will help out the attending students by providing necessary tips and guidelines during the interactive sessions. These sessions are also meant to give the students a chance to meet the teachers personally and discuss their problems.
- viii) **Community FM Radio:** Gauhati University has its own Community radio station named as “Radio Luit 90.8 FM” and operates daily from 8AM to 8PM. The Community Radio station shall be extensively used to broadcast radio talks on various courses . The broadcast contents are designed as per the requirements by teaching staff of both the ODL Institute as well as the parent department. Experts are outsourced, if the need arises.

#### **6. Procedure for Admissions, Curriculum transaction and Evaluation-**

- **Admission-** The admission process shall start from August and end by the end of September every year. The learner can go for either offline or online admission process. The minimum eligibility for MCom program is BCom/BBA graduates from any recognized Indian or Foreign university. The proposed fee for admission is Rs 7000.00(Seven Thousand only) per year. Financial Assistance is provided to the candidates belonging to SC/ST and OBC category in the form of scholarship. Few learners belonging to the economically deprived section as well as the physically challenged category are provided free ship on the recommendation of the Vice Chancellor.

- **Curriculum transaction-** The curriculum shall be transacted throughout the year as per the *Activity Planner* which is enclosed as an annexure (*Enclosure- II*).
  - **Evaluation-** Each course/paper shall carry 80% weightage for the term-end examinations and 20% for internal evaluation in the form of Home Assignments/internal examinations. In order to pass/clear a course/paper in a subject, a candidate must secure minimum 35% Marks in each course/paper. All examinations are conducted by the Controller of Examinations as per Rules and Regulations of the Gauhati University .
7. **Library Resource:** The University has a State of the Art Central Library with rich collections of materials which includes books, journals, magazines, CD and DVDs, and is accessible to the ODL learners as well. Moreover, the ODL Institute has its own Library where various books, journals and magazines related to the field of commerce are available.
8. **Estimated cost of the Programme:** Total estimated cost of the programme is Rs. 62.5 Lakhs(approx) which includes preparation and printing of SLMs, remuneration of the resource persons, establishment cost and overheads. The estimate is evaluated considering the unit expenses of Rs.2.5 Lakhs per paper /1000 students for the entire duration of two years.
9. **Quality assurance Mechanism and Expected Programme outcome:**
- **Quality assurance Mechanism:** The institute has a *Centre for Internal Quality Assurance (CIQA)* constituted by the statutory body of the HEI. Members of the Cell are drawn from among the Deans of the different Faculty, Heads of the respective departments, Executive Council members, administrative staff and teaching staff of the institute. The Internal Quality Assurance Cell shall review the relevance and standard of the programme from time to time and make necessary changes in the syllabus and contents of the programme. The HEI shall continuously monitor the effectiveness of the program through *CIQA* and other statutory bodies.
  - **Expected Programme outcome:** The expected program outcome is reflected in the Course Benchmark Statement, which is stated as below

Course Benchmark Statement: Master's degrees in the Commerce shall be awarded to those learners who demonstrated:

- essential knowledge in each functional area of business and management
- the application of the relevant knowledge in business organization, taking into account the inter-relationship and interaction of various functional areas of the management.
- a critical awareness of current issues in business and management and ability to conduct research into business and management
- awareness of the ethical, social, cultural and environmental implications of business practice
- competency to compete in the related job market.

1. Syllabus : Attached  
 2. SLM : 25 booklets prepared.  
 List of SLM :

SEMESTER I		SEMESTER II	
PAPER 1.1	Business Policy Analysis	PAPER 2.6	Economic Legislations
PAPER 1.2	Financial Analysis	PAPER 2.7	Organizational Behaviour
PAPER 1.3	Marketing Policy Analysis	PAPER 2.8	Operations Research & Computer in Business
PAPER 1.4	Business Statistics	PAPER 2.9	A Financial Management and Control, or B: Human Resource Planning & Management
PAPER 1.5	Financial Markets	PAPER 2.10	A Security Analysis & Portfolio Management, or B: Marketing Research & Consumer Behaviour
SEMESTER III		SEMESTER IV	
PAPER 3.11	Research Methodology	PAPER 4.16	Strategic Management
PAPER 3.12	Project Management	PAPER 4.17	Marketing of Services
PAPER 3.13	Entrepreneurship Management	PAPER 4.18	Financial Services
PAPER 3.14	A: International Financial Management OR B: Industrial Relations & Labour Laws	PAPER 4.19	Tax Planning
PAPER 3.15	A: Advanced Cost and Management Accounting or B: International Marketing	PAPER 4.20	Micro Finance
		PAPER 4.21	International Business

PAPER 1.1	Business Policy Analysis
PAPER 1.2	Financial Analysis
PAPER 1.3	Marketing Policy Analysis
PAPER 1.4	Business Statistics
PAPER 1.5	Financial Markets
PAPER 2.6	Economic Legislations
PAPER 2.7	Organizational Behaviour
PAPER 2.8	Operations Research & Computer in Business
PAPER 2.9	A Financial Management and Control, or B: Human Resource Planning & Management
PAPER 2.10	A Security Analysis & Portfolio Management, or B: Marketing Research & Consumer Behaviour
PAPER 3.11	Research Methodology
PAPER 3.12	Project Management
PAPER 3.13	Entrepreneurship Management
PAPER 3.14	A: International Financial Management OR B: Industrial Relations & Labour Laws
PAPER 3.15	A: Advanced Cost and Management Accounting or B: International Marketing
PAPER 4.16	Strategic Management
PAPER 4.17	Marketing of Services
PAPER 4.18	Financial Services
PAPER 4.19	Tax Planning
PAPER 4.20	Micro Finance
PAPER 4.21	International Business

## Enclosure: I (Detail syllabus)

### Detailed Syllabus of M.Com Programme (ODL mode of Gauhati University)

The DAC of the Department of Commerce has decided to switch over to Semester system from annual system in M.Com Course under IDOL from the session 2013 - 14. This Course is almost similar to the regular M.Com Course offered by the Department.

M.Com Course under IDOL shall comprise of 20 papers spread over four semesters, each semester having five papers. All papers of 1<sup>st</sup> will be compulsory.

In the 2<sup>nd</sup> Semester Paper 2.6, 2.7 and 2.8 are compulsory for all. Accounting and Finance Group students shall opt Group A Papers, Paper No 2.9 A and 2.10 A. Management and Marketing Group students shall opt Group B Papers, Paper No 2.9 B and 2.10 B

In 3<sup>rd</sup> Semester Paper 3.11, 3.12 and 3.13 are compulsory for all. Accounting and Finance Group students shall opt Group A Papers, Paper No 3.14 A and 3.15A. Management and Marketing Group students shall opt Group B Papers, Paper No 3.14 B and 3.15B

In 4<sup>th</sup> Semester Paper No. 4.16 and 4.17 are compulsory for all. From the remaining four papers (Paper No 4.18, 4.19, 4.20, and 4.21) a candidate shall opt any three papers.

### M.COM COURSE STRUCTURE UNDER IDOL

Semester	Paper No. & Paper Name	End Semester Marks	Home Assignment	Total Marks
1 <sup>st</sup>	1.1 Business Policy Analysis	80	20	100
	1.2 Financial Analysis	80	20	100
	1.3 Marketing Policy Analysis	80	20	100
	1.4 Business Statistics	80	20	100
	1.5: Financial Markets	80	20	100
	<b>TOTAL</b>			<b>500</b>
2 <sup>nd</sup>	2.6 Economic Legislations	80	20	100
	2.7 Organizational Behaviour	80	20	100
	2.8 Operations Research & Computer in Business	80	20	100

	2.9: A Financial Management and Control OR 2.9 B: Human Resource Planning & Management	80	20	100
	2.10: A Security Analysis & Portfolio Management OR 2.10 B: Marketing Research & Consumer Behaviour	80	20	100
	<b>TOTAL</b>			<b>500</b>
<b>3<sup>rd</sup></b>	3.11: Research Methodology	80	20	100
	3.12 Project Management	80	20	100
	3.13: Entrepreneurship Management	80	20	100
	3.14 A: International Financial Management OR 3.14 B: Industrial Relations & Labour Laws	80 80	20 20	100 100
	3.15 A: Advanced Cost and Management Accounting OR 3.15 B: International Marketing	80 80	20 20	100 100
	<b>TOTAL</b>			<b>500</b>
<b>4<sup>th</sup></b>	4.16 Strategic Management.	Compulsory		
	4.17: Marketing of Services			
	4.18 Financial Services			
	4.19: Tax Planning			
	4.20 Micro Finance			
	4.21 International Business			
	<b>TOTAL</b>			<b>500</b>

# **FIRST SEMESTER**

## **1.1 Business Policy Analysis**

### **Unit I:**

Government and business; its interrelationship, Role of the Government as a regulator, promoter, entrepreneur, educator of business ideas; Government's role in changed environments.

### **Unit II:**

Government policies on business-Industrial Policy Resolutions and statements; Industrial Development and Regulation Act 1951; Industrial licensing-Critical analysis; Fiscal and monetary policy.

### **Unit III:**

Public ownership of business; Privatization and dis-investment of PSU, Exit policy.

### **Unit IV:**

Foreign trade-policies and plans; Control of foreign trade; Exim policy and other recent export promotional measures.

### **Unit V:**

Foreign investment-need and importance; types of foreign investment; its implication on domestic economy; Foreign investment policy in India, Technical foreign collaboration.

### **Unit VI:**

Multinational companies-their role in host country; Modes of entry of MNCs; Govt. policy towards MNCs; position of MNCs in India; Transnational corporations.

### **Unit VII:**

Special package for economic development of north eastern region; DONER and its role in economic development, infrastructure and industry; North East Industrial Policy-promotional measures for cross-border trade, Role of NEC and NEDFI.

### **Books Recommended:**

1. Business Environment: Sikidar, Das Nath and Nath
2. Business and Government: N.K. Sengupta, Vikas Publishing Co, New Delhi.
3. Indian Economy: Rudder Dutta and Sundaram
4. Business and Government: Franchis Cherunilam, Huimalaya Publishing House.
5. Indian Economy: Agarwal, A.N.
6. NEC Journal
7. Indian Economy: S.K. Misra and V.K. Puri, Himalaya Publishing House.



## 1.2 Financial Analysis

### Unit I:

Constituents of Financial Statement and their features, Elements of Financial Statement and their features; Accounting Information, Sources of Accounting Information, Qualitative features of Accounting Information; Various user groups of Accounting Information and their Accounting Information need in decision-making process.

### Unit II:

Conceptual Framework of Accounting and Reporting; GAAP and Accounting Standards, their application in the preparation of Financial Statements; Accounting Standard Setting Process in India, and their compliance requirement.

### Unit III:

Review of Companies Act. 1956 (including its amendments) in the preparation and presentation of Financial Statement.

### Unit IV:

Techniques and tools of Financial Statement Analysis: Accounting Ratios, Common size Statement, Trend Analysis, Comparative Statement.

### Unit V:

Application of Accounting Ratios in Decision Making; Predictive Value of Accounting Ratios. Ratio Analysis for Performance Evaluation (Activity and Profitability). Ratio Analysis for Financial Health (Solvency and Structural Analysis).

### Unit VI:

Liquidity Analysis: Application of Accounting Ratios in the Analysis of Working Capital and Inter Firm Comparison.

### Unit VII:

Statement of Changes in Financial Position: Funds Flow Analysis and Cash Flow Analysis; Cash Flow Statement and Cash Flow Accounting, Models of Cash Flow Accounting.

### Unit VIII:

Valuation of Assets, Liabilities and Owners' Equity; Application of relevant Accounting Standards.

### Unit IX:

Cash Studies

### Books Recommended:

1. Financial Statement Analysis- Foster, Pearson Education, New Delhi.
2. Financial Policy and Management Accounting, - Bhabatosh Banerjee, Prentice hall of India, New Delhi.

3. Financial Statement Analysis – Sujit Sikidar & H.C. Gautam, New Central Book Agency, Kolkata
4. Management Accounting – M.Y. Khan and P.K. Jain, Tata McGraw Hill Publishing Co. Ltd. New Delhi.
5. Financial Accounting for Business Managers Ashis Kumar Bhattacharjee, Prentice Hall of India, New Delhi.
6. Accounting Theory- L.S. Porwal, Tata McGraw Hill Publishing Co. Ltd., New Delhi.

## **1.4 Marketing Policy Analysis**

### **Unit I:**

The nature and scope of Marketing: Role of marketing and its functions with special reference to an emerging economy. Modern concept of Marketing. Marketing as a philosophy of management. Relationship of marketing with other functional areas and general management in organization. Analyzing the micro-environment.

### **Unit II:**

Product Policies- their importance: new product management- basic requirements for new product success. Developing the new product policies regarding addition, elimination and diversification of product lines. Simplification and standardization. Brand and trade mark. Style and design. Package planning and development.

### **Unit III:**

Sales forecasting and planning: Developing and formulating sale plans, setting quantitative and qualitative objective, procedure for determining forecasts, study of seasonal demands, effect of changes in fashion and taste in planning sales programmes and campaign.

### **Unit IV:**

Marketing strategies for distribution: planning channels of distribution suitable to various classes of goods and customers appraisal of sales, costs and profit possibilities of each channel distribution of raw materials. The changing face of retail.

### **Unit V:**

Role of marketing communication, developing effective communication, identify the target audience. Determine the communication objective. Design the communication strategy developing and managing and advertising programme, sales promotion events and experiences, public relation.

### **Unit VI:**

Developing and communication of positioning strategy for creating brand equity. Devising a branding strategy. Branding identify and customer loyalty. Brand image and personality.

**Unit VII:**

Direct marketing; benefits, Direct mail, catalogue marketing telemarketing, interactive marketing, placing ads and promotion on line, E-marketing guidelines, ethical issues, relationship marketing.

**Unit VIII:**

Case studies

**Books Recommended:**

1. Marketing Management- Philips Kotler, Prentice Hall India Pvt. Ltd., New Delhi. (2001).
2. Principle of Marketing- Kotler, Armstrong, Pearson Education 2004.
3. Marketing Management an Indian Perspective- P.K. Agarwal Pragati Prakasan, 2003.
4. E-Marketing- Judy Straus, Adel EL-Ansary, Raymond Frost, Prentice Hall, India, 2004.
5. Brand Switch- Jagdeep Kappor, Jaico Books, 2004.
6. Marketing Managerial Introduction- IC. Gandhi, Tata McGraw Hill Publication, 1993.
7. Market Based Management Strategies for Growing Customer value and profitability- Roger J. Best, Prentice Hall India Pvt. Ltd. 2005.
8. Marketing- Michael. J. Etzel, Bruce J. Walker, William J. Stanton, Tata McGraw Hill publication, 2004.
9. Marketing Management Planning, Implementation and Control, The Context V.S. Ramswamy, S. Namakumari, Macmillan India Ltd. 2001.
10. Marketing Management – Philips Kotler, Kenin Lane Keller, Prentice Hall of India, 2005.
11. Brand Management Text & Case an Indian Perceptive- Dr. S.L. Gupta, Himalya Publication House, 2000.
12. Marketing Management- Ranjan, Saxena, Tata McGraw Hall.
13. Kumar, Marketing & Branding, Perason Education, Delhi-92.

## 1.4 Business Statistics

**Unit I: probability and Probability Distributions:**

*Probability:* Various approaches to probability, dependent and independent events, conditional probability, Baye's rule, importance of probability theory in decision making; mathematical expectation & variance of a random variable, laws of expectation; concept of probability distribution, normal probability distribution.

**Unit II: Sampling Distribution, Theory of Estimation and Testing of Hypothesis**

Sampling distribution of a statistic and its standard error, statement of Central Limit Theorem, estimation of the mean and the variance of the sampling distribution of the sample means; Testing of hypothesis: Type I and Type II errors, one tailed and two tailed tests, tests based on standard normal test, 't' test, chi-square ( $\chi^2$ ) test and F-test.

**Unit III: Partial and Multiple Correlation and Regression, Association of Attributes:**

Concept of partial and multiple correlation and regression, various formulate and problems; association of attributes: concept, order of a class, class frequency, consistency

of data, kinds of association of attributes, methods of measuring association between two attributes, partial association.

**Unit IV: Business Forecasting:**

Steps in business forecasting, methods of business forecasting: Naïve method barometric method, econometric method, utility and reliability of business forecasting

**Unit V: Measures of Inequality**

The variance and the coefficient of variation, the standard deviation of logarithms, the Lorenz curve and Gini coefficient.

**Unit VI: Statistical Quality Control (SQC)**

Meaning of SQC, process control; control charts:  $\bar{X}$ ,  $\bar{R}$ , P and C charts, product control; single and double sampling inspection plans, concepts of OC curve, AQL, LTPD, AOQ and AOQL.

**UNIT VI: Decision Theory:**

Steps in decision making environments, decision making under conditions of uncertainty, decision making under conditions of risk, decision trees, advantages and limitations of decision trees.

**Books Recommended:**

1. Essential Statistics for Economics and Commerce: Padmalochan Hazarika, Akansha Publishing House, New Delhi.
2. Business Statistics- S. Saha, New Central Book Agency.
3. Basic Statistics- B.L. Agarwal, New Age International Limited.
4. Statistics for Management Prentice Hall of India Limited Levin Richard, and Rubin David
5. Quantitative Techniques for Decision Making- Anand Sharma, Himalaya Publishing House.

## 1.5: Financial Markets

**Unit I:**

Nature and Role of Financial System; Financial System and Economic Development, Overview of Indian Financial System. Major Components-Money Market, Capital Market, Forex Market and Derivative Market.

**Unit II:**

Money Market, constituents of money market, participants in money market, money market instruments; Capital Market, Primary Market: Equity and Debt Market, Secondary Market- stock market and trading mechanism, Derivatives and risk management- various types of derivatives- forward, futures and options, trading on derivatives.

**Unit III:**

Financial Institutions: Commercial Banks-Functions of modern commercial bank, Development of Commercial Banks in India, structure of commercial banks in India, Role of Commercial banks, Reforms in commercial banking.

**Unit IV**

Non-banking Financial Institutions (NBFIs)- Role of NBFIs, sources of finance, functions and investment policies, Types of NBFIs; Mutual Funds- Concept, types, role of mutual funds in financial market, regulation of mutual funds under SEBI, Credit Rating and Credit Rating Agencies.

**Unit V:**

Regulatory Institutions- Role of Government in Financial markets, Reserve Bank of India; Functions, Role of RBI in regulating financial market, Securities and Exchange Board of India and regulating provisions, Securities (Contract and Regulation) Act 1956.

**Unit VI:**

Foreign Capital flows: forms of foreign capital, uses of foreign capital, international financial instruments, trends of foreign capital inflows in India.

**Books Recommended:**

1. Financial Institution and Markets- L.M. Bhole, Tata McGraw Hill, New Delhi.
2. Financial Institutions and Markets- Bharati Pathak, Pearson Educational Foundation, New Delhi.
3. The Indian Financial System and Development- Vasant Desai, Himalaya Publishing House, Mumbai.
4. Foundations of Financial Markets and Institutions- Frank Fabzzi, Franco Modigliani, Frank Jones and M.G. Ferri, Pearson Education, New Delhi.

## 2<sup>nd</sup> Semester

### 2.6 Economic Legislations

#### **Unit I: Competition Act. 2002**

Objective and definitions- Prohibition of certain agreements, abuse of dominant position and regulation of combinations- Competition commission of India: duties, powers and function of commission- Duties of Director General, Penalties- Provisions relating to finance, account and audit- Miscellaneous provisions.

#### **Unit II: Foreign Exchange Management Act. 1999**

Objects and definitions- Regulation and management of foreign exchange, Dealings in foreign exchange, holding of foreign exchange etc, current account transactions, capital account transactions, export of goods and services, realization and repatriation of foreign exchange, exemption, authorized person- contravention & penalties- Adjudication & appeal, directorate of enforcement- Miscellaneous provisions.

#### **Unit III: Standards of Weights and Measures Act 1976**

Objects, detailed study of the provisions relating to packaged commodities under the Act- Applicable provisions concerning penalties and offences.

#### **Unit IV: Securities and Exchange Board of India Act. 1992**

Objects, organization and management of SEBI- powers and functions of the board- registration certificate- provisions relating to finance, accounts and audit- penalties and adjudication- Securities appellate tribunal.

#### **Unit V: The Essential Commodities Act. 1955**

Object, power of the central government, seizure and confiscation of essential commodities, summary trial.

#### **Unit VI: Law relating to pollution control and environment protection**

Silent features of the Air (prevention and Control of Pollution) Law, Water and Environment (Protection) Law- various Boards and their functions and powers; duties of occupier of specified industries to ensure adherence to standards; offences by companies. Legal and regulatory framework, procedures of obtaining various environments clearances: role and functions of Environment Tribunal Authority.

#### **Unit VII: The Right to Information Act 2005**

Preliminary, right to information and obligation of public authority, The Central Information Commission, the State Information Commission, powers and functions of the Information Commissions, appeals and penalties.

#### **Books Recommended:**

1. Economic Laws- Taxman Publication
2. Foreign Exchange Law & Practice- Gupta S.k. & Ajay Jain

3. Commentaries on Essential Commodities Act.- D.P. Varshini.
4. Essential Commodities Act Sarjoo Prasad.
5. Lall's Commentaries on water and Air Pollution Act- Law Publisher, Allahabad
6. Economic Laws & Practice- Sanjeev Kumar (Vrinda Publication)
7. R.T. Act., 2005.
8. Economic Labour & Industrial Laws- Gulshan & Kapoor.

## **2.7 Organizational Behaviour**

### **Unit I:**

Behaviour in Organization: Concept-Goals importance different approaches to human behaviour, Organizational Goals: Concept-goal setting-process, individual goal, organizational goals-goal succession-goal displacement-goal distortion-goal compatibility.

### **Unit II:**

Personality Development and Theories: different theories and their needs, importance-management of sick personality workers- Rationality and its limits.

### **Unit III:**

Perception concept-process-application, Learning: concept-process-classical conditioning-operational conditioning application.

### **Unit IV:**

Transactional Analysis: concept-types, transaction proper-life script-strove analysis, game analysis-utility-development of interpersonal relationship.

### **Unit V:**

Organizational Climate: nature of climate-factors affecting OC-impact of OC. Influence of culture in organization-management culture.

### **Unit VI:**

Organizational Effectiveness: effectiveness and efficiency-factors affecting OE

### **Unit VII:**

Group dynamics: Formal groups-reasons for growth-group structure-group conflict-weaknesses-benefits of IFO.

### **Unit VIII:**

Management of conflict in Organization: conflict at individual level, group level and organizational level-modes of conflict management.

### **Unit IX:**

Controlling and directing organizational behaviour-leadership-theories and practices, motivation-theories and practices.

### **Unit X:**

Stress and behaviour: the general adaptation syndrome, stress responses, basic forms of stress, frustration and anxiety, source of stress, consequences of job stress, stress and jobs, performance, job burnout, coping with stress.

### **Unit XI:**

Study of cases relevant to the above chapters.

**Books Recommended:**

1. Organization Behaviour- Luthans Fred, McGraw Hill.
2. Behaviour in Organization – Rebbet E. Cottee Anthroury G. Athens Pepet A. Thoynoled.
3. Organization Structure and Dynamic- Bakka L. W. Gris A. Ragysic.
4. Organizational Behaviour- Deka, G.C., A Conceptual and Application Approach.
5. Organizational Behaviour – Keith Davis
6. Organizational Behaviour- Stephen P. Robbins.
7. Administrative Behaviour – Herbert A. Simon.
8. Organizational Behaviour concepts and controversies
9. Organizational Behaviour- Human Behaviour at work- Newstrom Hohn W. and Davis Kailu.
10. Organizational Behaviour – S.S. Khanks, S. Chand & Co.
11. Organizational Behaviour – Uma Sekharan, Tata McGraw Hill Publishing Co.
12. Organizational Behaviour- R. Banerjee, New Central Book Agency, Calcutta.
13. Organizational Behaviour- L.M. Prasad, S. Chand & Co., New Delhi.

## 2.8 Operations Research & Computer in Business

**Group-A: Operations Research****Unit I:**

Origin and development of Operations Research (O.P.), phases of O.R., characteristics of O.R. model, role of O.R. in managerial decision making, use and limitations of O.R.

**Unit II: Linear Programming Problem (LPP)**

Meaning, uses and limitations, formulation of general LPP, solutions of LPP, solutions of LPP by graphic method and simplex method, artificial variable technique, duality in linear programming, economic interpretations of dual variables.

**Unit III: Assignment and Transportation Problems:**

Concept of assignment problem; transportation problem: definition, mathematical formulation of transportation problem, to find the initial basic feasible solution, to derive optimal solution by Modi Method, difference between a transportation problem and an assignment problem.

**Unit IV: Theory of Games and Investment Analysis:**

**Theory of Games:** Origin, two person and zero-sum (rectangular) game, strategy, maximin and minimax criteria of optimality, saddle point, solution of a rectangular game with and without saddle point, limitations of games in competition;

**Investment Analysis:** methods of investment analysis, breakeven analysis, payback period method, average (accounting) rate of return method, time adjusted or discounted



cash flow (DCF) method, discounted rate, certainty-equivalent approach, expected monetary value and Hillier and Hertz's models.

**Books Recommended:**

1. Operations Research- Swarup Kanti, P.K. Gupta, Sultan Chand & Sons.
2. Quantitative Techniques in Management- N.D. Vohra, Tata McGraw Hill.
3. Operations Research- An Introduction –A. Taha Hamdy, Mecomillan Publishing Company.
4. Operations Research- P.K. Gupta and D.S. Hira, S. Chand & Sons Company Ltd.
5. Operations Research- S.D. Sharma, Kedar Nath Ram Nath & Co.

**Group-B: Computer Business**

**Unit V:**

System Analysis and Design: concept of system; characteristics of a system, elements of a system; types of systems, systems models; open or closed systems; man-made information system; computer based information system.

**Information System Development:** The process of system development, system life cycle; system development methodologies.

**System Analysis:** System planning and initial investigation, information gathering, tools-interview, questionnaire; tools used in structured analysis data flow diagram (DFD), data dictionary, structured English, decision trees, decision tables.

**System Design:** The process and stages of system design, logical and physical design, design methodologies, input/output and forms design; file organization and data base design.

**System Implementation:** System testing quality assurance, hardware/software selection, system security.

**Unit VI: Introduction to E-Commerce:**

Meaning and concept; scope and promise; E-commerce and E-business; lure of E-commerce; different categories of E-commerce; encryption and authentication; elements of encryption, encryption keys; different devices of authentication, digital signatures, categories of digital signature, cryptographic algorithms, digital certificates, secure socket layer (SSL) secure electronic transaction (SET) biometrics; future of E-commerce.

**Books Recommended:**

1. Understanding Electronic Commerce- Kosiv, David, Microsoft Press, Washington.
2. E-Commerce- A Managers' Guide to E-Commerce- Parag Diwan and Sunil Sharma, Excel Books, New Delhi.
3. System Analysis and Design- Kendall and Kendall, Pearson Education, Singapore.
4. System Analysis and Design- E.M. Award, Galgotia Publication, New Delhi.
5. An Introduction to Database System- C.J. Date, Pearson Education, (Singapore), New Delhi.

## **2.9: A Financial Management and Control**

### **Unit I:**

Introduction to Financial Management- objectives, nature and scope of finance function, components of financial system.

### **Unit II:**

Financing Decision- operating and financial leverage, capital structure theories, Net income approach, net operating income approach, traditional approach, factors affecting capital structure, optimal structure, over capitalization and under-capitalization.

### **Unit III:**

Working capital management, estimation of working capital requirements, working capital policy-conservation, moderate and aggressive, cash management, receivables management, financing current assets-sources, regulations of bank finance and recommendation of various committees.

### **Unit IV:**

Long-term investment decisions-principles and methods of appraisal- concept and measurement of cost of capital- risk and return analysis of capital investments. Computation of various types of return.

### **Unit V:**

Dividend Decision- dividend and valuation-MM hypothesis, Walter's Model, Gordon's model, determinants of dividend policy- dividend pay-out ratio consideration, market consideration.

### **Unit VI:**

Inflation and financial management, effects of inflation on current assets, fixed assets, liabilities working capital and profit, inflation and capital budgeting.

### **Unit VII:**

Constituents and preparation of project Report: contents, evaluation of projects and techniques of evaluation.

### **Books Recommended:**

1. Financial Management and Control- A.K. Chakraborty, McMillan
2. Financial Management- M.Y. Khan & P.C. Jain (TMH)
3. Financial Management, Theory & Practice- Prasanna Chandra (TMG) 4, Financial Management- Vanhorne.

## **2.10: A Security Analysis & Portfolio Management**

### **Unit I:**

Investment: concept of investment, investment objectives, security and non-security form of investment, concept of portfolio management, phases of portfolio management; risk and return, types of risk, measurement of risk.

### **Unit II:**

Securities market: securities market and their functions, methods of raising capital, stock market in India, security market Indices- purpose, factors influencing construction of index, methods of constructing index.

### **Unit III:**

Analysis of equity investment: economic analysis, industry and company analysis, technical analysis, efficient market hypothesis.

### **Unit IV:**

Portfolio Analysis: meaning, portfolio risk and return, markwitz risk-return optimization, single index model, sharpe index model, portfolio data, efficient frontier; portfolio selection- risk and investor preference, capital asset pricing model.

### **Unit V:**

Portfolio Revision: meaning, significance and strategies; portfolio evaluation meaning, performance measurement of portfolios, Sharpe's, Treynor's and Jensens's measure of portfolio performance.

### **Unit VI:**

Derivative: meaning and evaluation of derivatives, options, futures, portfolio management using futures and options.

### **Books Recommended:**

1. Investment Analysis and Portfolio Management- M. Ranganathanam and R. Madhumathi, Pearson Education.
2. Security Analysis and Portfolio Management- V.A. Avadhani, Himalaya Publishing House.
3. Security Analysis and Portfolio Management- Jordan and Gordon, Prentice Hall India.
4. Portfolio Management –Samir K. Barua, J. Verma & V. Raghunathan, Tata McGraw Hill.
5. Investment Analysis and Portfolio Management- Prasanna Chandra.

## **2.9 B: Human Resource Planning & Management**

### **Unit I:**

Basic Human Resource Planning: Macro level scenario of Human Resource Planning, concept and process of Human Resource Planning, Methods and Techniques- Demand and supply forecasting.

### **Unit II:**

Job Analysis: concept, scope and limitation, job description, job specification.

### **Unit III:**

Action Areas: issues and experiences, selection and recruitment, induction and placement, performance and potential appraisal, transfer, promotion and reward policies, retrenching, separation, down signing, outplacement, managing diversity, managing compensation, succession planning.

### **Unit IV:**

Measurement of Human Resource Planning: Human resource information system, human resource accounting, human resource audit, productive incentive.

### **Unit V:**

Human Resource Development: concept, evolution, definition, scope, functions and importance of Human resource scanning, Role of HRM in strategic planning.

### **Unit VI:**

Importance of training, preparation of training programme and their implementation, training of operative personnel, executive development programme, career development challenges, self development. Evaluation of training effectiveness.

### **Unit VII:**

Promoting work effort, motivation, theories of motivation, incentive schemes, principles of fringes, labour turnover and absenteeism.

### **Unit VIII:**

A brief introduction to wage and salary policies and administration Job enlargement and environment, job design, employees moral and industrial productivity, occupational hazard and safety, accident analysis and prevention.

### **Unit IX:**

Disciplining and counseling of employees, importance of human relation, concept of industrial relation, present state of industrial relation in India, an idea about trade unionism, industrial disputes- causes and remedial measures, union regulation, collective bargaining, workers participation in management, labour legislation, cost-benefit concept in HRM. Challenges to HRM.

**Unit X:**

Short case studies in strategic human resource management, corporate culture, HRM planning and industrial relations.

**Books Recommended:**

1. Personnel Management- E.B. Flippo (1984), McGraw Hill
2. Personnel Management- North, Coltof, Principles and Practice.
3. Personnel Management- D.P. Scot.
4. Personnel Management & Industrial Relations- Yoder Dale, Prentice Hall, New Delhi
5. Managing Human Resources- Mejia, Balkin, Cardy, Pearson Education.
6. Managing Human Resources- W.Casio, McGraw Hill, New York.
7. Human Resources Management- Concepts and Practices- Decenzo Devid and Robin Stephen, Wiley, New York.
8. Managing Human Resources- Schuler Randall, St. Paul, West Publishing.
9. Human Resources Management- Dipak Kr. Bhattacharyya, Excel Book, Excel Printers C-206, Naraina Industrial Area, Phase I, New Delhi-110028.
10. Human Resources Management- S.S. Khanka, S. Chand & Co.
11. Mondy, Human Resources Management, Pearson Education, Delhi-92

## 2.10 B: Marketing Research & Consumer Behaviour

**Unit I:**

Introduction to Marketing Research: Its growth and evolution Nature and scope of marketing and research, interaction between management and marketing research, applications and limitation of marketing research, marketing information system.

**Unit II:**

Marketing Research Management: Importance of research management, qualities of marketing research manager, organization of marketing research deptt. (Organisation within the group and out side the group) organization of marketing research function, evaluation and control.

**Unit III:**

Scientific method and the marketing research process: Steps in designing a research, formulating the research problem, research design, source of data, primary and secondary data, sampling design, sampling size, organizing and conducting the field survey, processing and analyzing the collected data, preparing the research report. What is scientific method, scientific method in the physical science and marketing, difficulties in applying the scientific method to marketing.

**Unit IV:**

Data collection, sampling and reporting: Primary data, secondary data, interpretation, analysis, preparation of report and evaluation oral and written reports.

**Unit V:**

Importance of consumer behaviour in marketing in management approaches to the study of consumer behaviour. Variable influencing consumer behaviour Economic variable determining consumption, income, prices and utility. Social influence on consumer behaviour, cultural and sub-cultural influences, social classes, social groups, life styles, self-concept, family in consumer behaviour.

**Unit VI:**

Psychological concepts in consumer behaviour, learning process perception, cognition mapping, attribution process, motivation and personality, attitude.

**Books Recommended:**

1. Marketing Research Text and Cases- Harper W. Boyd Jr. Ralph Westfall Stanley F. Starch, AITBS, 2004.
2. Marketing Research- G.C. Beri, Tata McGraw Hill, 2001.
3. Marketing Research- B.S. Goel, Pragati Prakashan, 1998.

## 3<sup>rd</sup> Semester

### 3.11: Research Methodology

#### Unit I:

Concept and nature of research, objectives of research, criteria of a good research, social science research, business research, approaches to research-qualitative and quantitative research, types of research- pure and applied research, descriptive and analytical research, exploratory and empirical research, case study research, research and research methodology, difficulties of social science research in India.

#### Unit II:

Research Design- features of a good research design, defining research problem, components of research problem, selection and formulation of research problem; formulation of hypothesis, types of research design research design for experimental, exploratory and descriptive research.

#### Unit III:

**Sampling Design:** meaning and significance of sample, sampling process, principles of sampling: essentials of a good sample, methods of sampling: random sampling, stratified sampling, judgment or purposive sampling, double and multistage sampling; determination of sample size.

#### Unit IV:

**Data Collection:** types of data, methods of collection of primary data, collection secondary data and limitations of secondary data.

#### Unit V:

**Data processing, analysis and interpretation:** steps in data processing, editing, coding, classification and tabulation, analysis and interpretation of data.

#### Unit VI:

**Test of Significance and Analysis of Variance (ANOVA):** testing of hypothesis, Z-test, chi-square test and F-test; ANOVA: meaning, basics principles, assumptions, one-way and two-way ANOVA.

#### Unit VII:

**Report Writing:** Types of report, steps in report writing, format of report, presentation style.

#### Books Recommended:

1. Research Methodology in Social Science- P. Sarvanavel, Katiab Mahal.
2. Research Methodology in Management- V.P. Michael, Himalaya Publishing House.
3. Research Methodology: Methods and Techniques- C.R. Kothari, New Age International.
4. Research Methodology for Business Students- M. Saunders, Philip Lewis and Adrian Thornhill, Pearson Education.
5. Statistics for Management- R.I. Levin and D.S. Rubin, Prentice Hall of India.

### 3.12 Project Management

**Unit 1: Project Management** – Meaning and scope, Need of project management, Life cycle of a project – conception and selection, planning and scheduling, implementation and control, evaluation and termination. (6)

**Unit 2: Project Analysis and Selection** – Identification of investment opportunities, project initiation, Market and Demand Analysis, Technical Analysis, Economic and Financial Analysis, Social Cost and Benefit Analysis, Formulation of Detailed project report. (18)

**Unit 3: Project Planning & Scheduling** – Planning Resources, Planning of Physical Resources, Planning of Human Resources, Planning Financial Resources, Project organizing, Planning Time Scales-Network/PERT Analysis. (10)

**Unit 4: Implementation and Control** – Project Management Information System, Monitoring and Reporting –Physical resources, human resources, and financial resources-cost control.

**Unit 5: Project Completion and Evaluation-** Integrated Project Management Control System, managing Transition for project to operation, project completion and evaluation, project review, project termination. (8)

#### Suggested Readings:

1. Project Planning, Analysis, Selection Implementation and Review by Prasanna Chandra, Tata McGraw Hill, New Delhi.
2. Fundamentals of Project Management by P Lewis, AMACOM Div, American Management Association.
3. Project Management – A Systems Approach to Planning and Controlling by Harold Kerznor, Pearson Education Inc.
4. Project Management and Control by Narendra Singh, Himalaya Publishing House, Mumbai.

### 3.13 : Entrepreneurship Management

#### Unit I:

Introduction: definition-nature-scope and importance its relevance in different economic systems- its significance to Indian economy under the new economic order.

#### Unit II:

Setting-up of an entrepreneurial venture

- a) Identifying and conceiving opportunities in agriculture, trade, industry, transports, insurance and related service organizations.
- b) Converting conceived business opportunities into reality: location, infrastructure facilities, Aid from Government, semi-up of an enterprise on hand (case studies in setting up of as enterprise covering a minimum of five years of initial period).



**Unit III:**

Management of the Venture

- a) Stages of development- small, medium and large scale.
- b) Management of functional areas viz. production, purchase, Marketing, Finance, Personnel, Finance, at different stages development in terms of planning and control and decision making- management of conflict.
- c) Environment facing different kinds of ventures at different stages of development- governmental laws.
- d) Self-development of the entrepreneur-self-evaluation of the individual and institution at different stages of enterprise and entrepreneurial growth, motivation for individual and institutional development- training needs of the entrepreneur evaluation of the organization structures.
- e) Creativity and Techno-economic innovation for entrepreneurs management of family business-socio-psychological factors influencing entrepreneurship development

**Unit IV:**

Professional entrepreneurship and professional managers- their role in managing on enterprise-position in the Indian management scene-agencies promoting entrepreneurial development –role of concessions, subsidies incentives- technical assistance.

**Unit V:**

Entrepreneurs in India- study of profiles- recent trends- scope use profitability profit-oriented and non-profit oriented organization.

**Books Recommended:**

1. Indian Entrepreneurship and Industries: Challenges Ahead- Dr. Vivek Deolankar, Commonwealth Publishers, New Delhi, 1996.
2. Management of Small Scale Industries- Dr. Vivek Deolankar, Commonwealth Publishers, New Delhi, 1996.
3. Entrepreneurship of Small Scale Industries; Concept Growth Management M.U. Deshpande, Deep and Deep Publications, New Delhi, 1982.
4. Labour Laws- Taxman, Taxman Allied Services, (P) Ltd. New Delhi, 1995.
5. Small-Scale Industries and Entrepreneurship- Dr. Vasanta Desai, Himalaya Publishing, 1<sup>st</sup> Edn. 1995.
6. Entrepreneurial Challenge in Under Developed Sectors- P. Subba Rao & M. Sundaram, Entrepreneurial Development Programme Series, Kanishka Publishers Distributors, Delhi, 1993.
7. Self-Mode Impact Making Entrepreneurs- Research Teamby Gautam Raj Jani and M. Akbar Ansari, Entrepreneurship Development Institute of India, Ahmedabad 1988.
8. No-born- The created entrepreneurs- Jose Subastian and Thakur, Entrepreneurship Development Institute of India, Ahmedabad 1994.
9. Zimmerer: Essential of Entrepreneurship and Small Business Management, Pearson Education, Delhi-6.

### **3.14 A: International Financial Management**

#### **Unit I:**

International Finance- Importance, Finance Function in Multinational Firm, Trends in International Trade and Cross-border Financial Flows, Gains from international trade and investment, Balance of Payments. Currency convertibility, concept of revenue account and capital account convertibility.

#### **Unit II:**

International Monetary System. Exchange Rate Regimes, International Monetary Fund, European Monetary System, European Monetary Union, World Bank.

#### **Unit III:**

International Finance Markets-Euro-markets Institutions.

#### **Unit IV:**

Foreign Exchange Market, Structure of Foreign Exchange Markets and participants, Type of Transactions, Mechanism of Currency Dealing. Exchange Rate Quotations, Arbitrage, Forward Rates. Foreign Exchange Market in India.

#### **Unit V:**

Exchange Rate Theories: Purchasing Power Parity Theory, Interest Rate Parity, future spot exchange rate, methods of forecasting exchanges rates.

#### **Unit VI:**

Nature and measurement of exposure and risk- defining foreign exchange exposure, transactions exposure, translation exposure, operating exposure, hedging strategies.

#### **Books Recommended:**

1. International Financial Management- P.G. Apte, Tata McGraw Hill.
2. International Financial Institutions and Monetary Management- S. Sikidar, D. Bhorali, Kalyani Publishers.
3. International Financial Management- P.K. Jain
4. Multinational Financial Management- Shapiro, Prentice Hall India.
5. International Financial Management- V. Sharan, Prentice Hall of India, New Delhi.

### **3.14 B: Industrial Relations & Labour Laws**

#### **Unit I:**

Approaches to industrial relations, Dynamics of Industrial conflict, unfair labour practices and victimization. Industrial work force analysis, size and composition. Problems of Commitment. Trade Unionism. Theories, structure, types and growth, trade union in developing economy.

#### **Unit II:**

Trade union movement in India, issues in trade unions democratic unionism, problems: size, structure, finance, problem of leadership. Political influence on trade unions. Workers Education. The trade union rivalry and reorganization. Employers organization. Role of trade union in the changed economic scenario.

#### **Unit III:**

Management Vs. Union, rights, unions and technological changes. Industrial relation system. Role of state in industrial relations. Industrial relations and labour policy since independence. Instruments of economic coercion, discipline, domestic enquiry grievance procedure and disciplinary action. Principle of natural justice.

#### **Unit IV:**

Machinery for prevention of industrial disputes. Welfare Officer works committees. Joint Management Council, Ethical Codes.

#### **Unit V:**

Methods of setting Industrial Disputes. Arbitration Adjudication, Tripartite and Bipartite Machinery.

#### **Unit VI:**

Collective Bargaining, workers' participation in management. Labour management and co-operation. Industrial relations and related legislations with special reference to industrial disputes Act. 1947 labour welfare and social security.

#### **Unit VII:**

Lok Adalat as a body to conduct mediation.

#### **Unit VIII:**

Case studies

#### **Books Recommended:**

1. Dynamic of Industrial Relationship- C.B. Memoria.
2. Industrial Relations and Labour Law- S.C. Srivastava.
3. Labour and Management in Industrial Society- Keer Clark
4. Industrial Relations- Mayers Chars A. and Subbiah.
5. Industrial Relations and the government- Me Naughtm, Wayne HH & Joseph Hazn.
6. Labour Management Relations in India- Subramaniam
7. Unions, Employees and Government- V.D. Kennedy.

8. Labour Problems in India- S.N. Mehrotra
9. Collective Bargaining and the Indian SCENE- B.K. Tandon
10. Industrial Relations Systems- Dunlop, J.T.
11. Issues in Indian Labour Policy- Johri C.K.
12. National Commission of Labour- Report.
13. Industrial Relations & Personnel Management- Dale Yoder.
14. Human Resource Management- Biswajit Pattnaik.

### **3.15 A: Advanced Cost and Management Accounting**

#### **Unit I**

Const concepts and Analysis: Relevant costs for decision making, Decision in pricing, product mix, make or buy, shut down etc.

#### **Unit II:**

Management control system: Objectives, Maximization of value or Profit, Management control system Vis-à-vis strategy formulation and control, Management control procedure.

#### **Unit III:**

Responsibility Accounting: Transfer Pricing.

#### **Unit IV:**

Budgetary control: Behavioural aspect of Budget, Participation in budgetary process, performance budgeting and zero-based budgeting.

#### **Unit V:**

Management Information System: Concept, Objectives, Functions, types and nature or Reports and their contents. Application of computer in Management Accounting Purposes.

#### **Unit VI:**

Value analysis, cost control reduction and productivity, cost efficiency and effectiveness.

#### **Unit VII:**

Cost and Management Audit.

#### **Unit VIII:**

Activity based costing: Human Resource Accounting; Environmental Accounting.

#### **Unit IX:**

Case studies

#### **Books Recommended:**

1. Advanced Cost Accounting- Khan & Jain
2. Cost Accounting- B. Banerjee, World Press, P. Ltd. Calcutta.
3. Principles and Practice of Cost Accounting- N.N. Prasad, Book Syndicate.
4. Principles and Application of Cost Accounting- Mitra & Ghosh, Tee Dee Pub.
5. Cost and Management Audit- Saxena, Vishist, Sultan Chand.
6. Introduction to Management Accounting- Pearson Education, Delhi092.
7. Management Control Systems- Anthony, Weldon & Vancil.
8. Management Accounting- Shastry & Dhameja.

### **3.15 B: International Marketing**

#### **Unit I:**

Framework of International Marketing: concept, scope its growing importance, factors affecting international marketing; controllable and uncontrollable factors; International Marketing environment: cultural, political, geographical economic and legal requisitions trade clearance (tariff and non tariff behaviours).

#### **Unit II:**

Market Selection- Market profiling, market segment selection. Market entry strategies: MNCs and World Markets. Market Agreements in Force Free trade zones. Export Finance- EXIM Bank, Institutional Finance for import; IDBI ECGC and export credit insurance.

#### **Unit III:**

International Marketing decision; International product planning Product design strategy, new product development; branding packaging and labeling. International pricing strategy. Pricing objectives, pricing methods dumping, transfer pricing, retrograde pricing, International Channels of Distribution; International channel system direct exports, indirect exports, marketing environment and distribution strategies, international logistics. International promotion: determining advertising strategy, communication mix role of export organization, management of sales force.

#### **Unit IV:**

Organization and Planning International Marketing. New perspectives on organization-corporate, networking; dimensions of international planning and strategy. International marketing information system and marketing research.

#### **Unit V:**

WTO and trade liberalization International Marketing institutions; Central advisory council; Export development councils, commodity boards, Export promotion council, Trade development authority; Trade fair authority, STC, MMTC, India's foreign trade and balance of payment position. Export procedure, export incentives and subsidies.

**Books Recommended:**

1. International Marketing- Francis Cherunilam, Himalaya Publishing House.
2. International Marketing- Subhash C. Jain, Asian Book Pvt. Ltd., New Delhi, 2001.
3. International Marketing- Rathore, Jain Rathore, Himalaya Publishing House.
4. International Marketing- Sreenivasan, Prentice Hall India.

### 4.16 Strategic Management

Marks – 80

1. Corporate strategy & Planning: Concept Strategy-organizational purpose and missions- Objective and Goals- Policies-Programme Strategies, Kinds of Strategies-McKinsey 7-S framework-Corporate Policy & Planning in India-Definition-Characteristics-benefits-Why Corporate planning fails.
2. **Board of Directors:** Role & Function- Responsibility of BOD's- Size, Types and composition of Boards- Boards in Public & Private Sector Enterprises, Enhancing Boards Effectiveness0 Top Management- CEO- Role & Functions of top management- Corporate values.
3. **SWOT Analysis:** Environmental analysis- Constituents and Impacts Assessing the impact of Opportunities-Competitive Analysis- Economist's Viewpoint- Marketing Viewpoint- Porter's Framework- Competitor.  
Analysis-Strategy-Performance-Strengths & Weaknesses- Reaction; Internal Corporate Analysis- Criteria for determining & measuring Strengths & Weaknesses- Identifying Strengths & Weakness- Concept of Synergy.
4. **strategic Analysis:** Cost Dynamics- Cost levels in India-Causes & Effects of High Cost in India-Break-Even Analysis-Sensitivity Analysis-portfolio Display Matrices-Boston Consulting Group's Growth Share Matrix; McKinsey Matrix- Artur D. Little Company's matrix; Operating & Financial, Analysis- Techniques of strategic Financial Analysis- Financial Ratios, Return on Sales & Investment.
5. **Strategic Choices:** Strategic alternatives- classification- selection; Diversification-Types- Related & Unrelated-Integration-synergy; diversifications vs. Expansion- Mergers & acquisitions- Merger Motivations- screening process- Valuation for Mergers & Acquisitions- Merger policies.
6. **Implementation & evaluation of Strategy:** Resource Allocation-Organisation structure- Leadership-Communication of strategy-evaluation and control of strategy-evaluation & control process- key variables-performance standards Analysis & follow up action for control-problems of control systems, turnaround strategies
7. **Case Studies:** What is case? –Objective of Case Method-Benefits Analytical Tools- SWOT Analysis-Ratio analysis-Portfolio Analysis-Strategic Audit-Guide for Case Preparation.

**Books Recommended:**

1. Corporate Business Policy and Planning –P.K. Ghosh, Sultan Chand Sons, New Delhi-2.
2. Corporate Strategy – Ranjan Das, Tata McGraw Hill Pub. Company.
3. Business Policy-Azhar Kazmi, Tata McGraw Hill.
4. Business Policy and Strategic Management – Cherruneelam Francis, Himalaya Publishing House.

### **4.17: Marketing of Services**

### **Total Marks 80**

**Unit I:**

Introduction to service marketing service-definitions, characteristics, reasons for growth in service sector with special reference to India- Marketing mix for service; marketing segmentation-market information system.

**Unit II:**

Service strategy, market oriented service strategy. Demand variation in service and its management. Determinations of service quality, its management, Dimensions of total quality management; Service triangle; service models.

**Unit III:**

Service Products: development of a new service, differentiation, service product mix, packaging, branding, strategy for service; approaches to pricing of services- objectives, pricing strategies. Service location and providers, working of a service distribution system.

**Unit IV:**

People in Marketing of services: role of employees, managing customer participation, internal marketing objectives, influence of employee behaviour in service quality. External marketing-need, promotional campaign design, word of mouth communication. The service inter-action process, enhancing customer participation.

**Unit V:**

Marketing of Financial Services: Concept-factors governing the customer behaviour and psychology- marketing mix of financial services-Marketing of financial services in Indian Environment.

**Unit VI:**

Marketing of Health Services; characteristics of health services; type of health services-product planning and development- segmentation –pricing and promotion strategy in the Indian Environment.

**Unit VII:**

Marketing of tourism: Tourism product, development and management of tourist spot; pricing, strategic tourism promotion, tourism marketing prospects and promotion in North East region.

**Books Recommended:**

1. Text-book of Marketing Services- Nimit Choudhury, Monica Choudhury, The Indian Experience, McMillan, 2005.
2. Service Marketing- K. Rama Mohana Rao, Pearson Education, 2005.
3. Service Marketing- R. Srinivasana, The Indian Context, PHI, 2005.
4. Service Marketing- S.M. Jha, Himalaya Publishing House, 2004.
5. Service Marketing- Christopher Love Lock, Wirtz, People Technology Strategy, Pearson Education, 2005.
6. Verma, Harsh, Service Marketing, Pearson Education, 2008.

### **4.18: Financial Services**

### **Total Marks 80**

**Unit I:**

Evolution and Role of Financial Services in India- NBFCs; Banks, comparison of NBFCs with Banks, service provided.

**Unit II:**

Leasing- concept and classification, advantages and disadvantages of leasing, evolution of Indian Leasing Industry, Leasing and Commercial Banks, Tax implications of Leasing.

**Unit III:**

Hire Purchase- concept and characteristics, calculation of effective interest rate, tax-implication of Hire Purchase.

**Unit IV:**

Consumer Finance- Role of Consumer Credit, Features of Consumer Credit Transactions.

**Unit V:**

Venture capital- nature and scope, Investment process, (types of VC financing) evaluation criteria, limitations, venture capital funds in India.

**Unit VI:**

Insurance-services; Definition- Life Insurance, Marine Insurance, Miscellaneous Insurance.

**Unit VII:**



Miscellaneous financial services, Housing Finance, demat, depository services and stock broking services.

**Books Recommended:**

1. Financial Services- M.Y. Khan, Tata McGraw Hill.
2. Emerging Scenario of Financial Services- Gorden and Natarajan, Himalaya Publishing House.
3. Lease Financing, Theory & Practices- B.B., Himalaya Publishing House.
4. Venture Capital Financing in India- Verma

## **4.19 Tax Planning**

### **Total Marks 80**

**Unit I:**

Meaning concept of tax planning and tax management- distinction between tax planning, tax evasion and tax avoidance with illustrations. Tax planning through selection of suitable form of business organization, selection of type of business and industry and location; diversion of income and application of income.

**Unit II:**

Tax planning through the provisions of section 10 of the Income Tax Act. Relating to 'tax free incomes'- tax planning in regard to salary income of an individual; deductions and exemptions allowed in computing income from salaries and income from house property. Tax planning in regard to setting up and dates of commencement of business, make or buy decision; valuation of stock and export and domestic sales decision.

**Unit III:**

Capital assets in the context of capital gains and assets outside the purview of capital gains- taxation of long term and short term capital gains and exemptions thereof, for tax planning purposes.

**Unit IV:**

Tax planning in regard to residuary and non-residuary headings of income from other sources; taxability of interest on government securities and dividend from Indian companies- Tax planning and clubbing of incomes under section 64 of the IT Act. Important factors to be considered in regard to tax planning in case of an individual with reference to splitting of income and investment of surplus funds in selected securities. Tax planning and tax deducted at source and advance payment of tax by an individual assesses.

**Unit V:**

Tax planning by a partnership firm assessed as such and as association of persons. Tax planning by a company through the timing of payment of statutory dues, joint ventures

6. Micro Finance: Impacts and Insight, Rajgopalan S and Nirali Parikh, ICFAI Press.

#### **4.21 International Business**

### **Total Marks 80**

1. Foreign Direct Investment and Multinational Corporations – MNC culture, MNCs and LDCs, joint ventures.
2. Regional Economic Integration, SAARC, ASEAN, European Economic Community, EEU, NAFTA, SAFTA, SAPTA.
3. India and WTO – Free and Fair trade, Trade in Services, Removal of trade barriers, Tariff and non-tariff barriers Dispute settlement mechanism, Innovation and Intellectual property Rights.
4. Export Impolicy, Duty entitlement Pass Book (DEPB), Letter of credit, Bank finance for export and import, documentation, customs duty Foreign exchange management, Foreign exchange exposure, risk management, transfer of international payments-Western Union Money Transfer.
5. Convertibility of Rupee currency, current and capital account transactions, Issues and Perceptions-heading techniques, derivatives and future IMF and World Bank.
6. Foreign Investment Institutions, Instruments: GDRs, ADRs, FIIs-their role in Indian Capital Market. Double Taxation Avoidance Agreement (DTAA).
7. Merger, Acquisition, takeover International merger and acquisition (M&A) International Strategic Alliance.

#### **Suggested Books:**

1. Heniz Weihrich, Mark V Cannice, Harold Koontz, Management: A Global and Entrepreneurial Peerspective, Tata McGraw Hill Publishing Co. Ltd., New Delhi 2008.
2. Y.K. Sarma, International Financial Management Prentice Hall of India, New Delhi.
3. V.A. Avadhani, International Finance, Himalaya Publishing House, Mumbai.
4. Helen Doresky, International Management, Prentice Hall of India, New Delhi.
5. Magandhi Ananta R, International Management, Prentice Hall of India, New Delhi.

6. Franchis Cherunilam, International Business, Prentice Hall of India, PHI, New Delhi.

## 4.22

### 4.23 E-COMMERCE

Total Marks: 80

**Unit-I:** Introduction to E-Commerce: Emergence of E-Commerce, different business models, E-business model based on relationship of transaction types- Brokerage Model, Aggregator Model, Info-mediary model, community model, value chain model; scope and promises of E-commerce, future of E-commerce. 10

**Unit-II:** Technology in E-commerce: Introduction to internet environment, Types of Network, Data Communication, Modes of data transmission, Network topologies, OSI models, different layers, concept of Protocols, URLs, ISP, Switching, Cookies, Bandwidth, www Browsers, Services, DNS. 20

**Unit-III:** Privacy and Security in E-commerce: Security methods, Encryption and Authentication, Elements and algorithm of encryption, Digital Signature and its categories, cryptographic algorithms, Encryption Standard, Digital certificates and their uses, Concept of Biometrics technology, Pretty Good Privacy (PGP) and its features, Firewall concept and its benefits. 15

**Unit-IV:** E-marketing: Concept of online marketing and its advantages, Idea of E-advertising, E-branding, Spiral branding, Different marketing strategies, Internet marketing trends; E-customer Relationship Management (CRM)- different issues of E\_CRM. 10

**Unit-V:** E-payment Systems: Online payment categories, Micro payment system, E-cash – properties and legal issues, Idea of digital currency and E-cheque, Designing E-payment systems. 10

**Unit-VI:** E-banking: Impact of IT on Bank, functions of ATM, advantages and limitation of ATM, concept of Mobile Banking, Tele Banking, Internet Banking, Technique of Electronic Funds Transfer, Automated Clearing System (ACS) and its elements. 15

### SUGGESTED READINGS

1. E-Commerce – A Managerial Perspective, P.T. Joseph, Prentice Hall of India.
2. Electronic Commerce –A Manager’s Guide, by Ravi Kalakota and Andrew B. Whinston, Pearson Education, New Delhi.
3. E-Commerce Logistics & Fulfillment by Deborah L. Bayles, Pearson Education, New Delhi.

**ACADEMIC CALENDAR**  
**Gauhati University Institute of Distance and Open Learning**  
**Guwahati- 781014, Assam**

<b>ADMISSION</b>			
<b>SEMESTER (TRADITIONAL PROGRAMME)</b>			
A	1	Fresh	July-September
	2	Continuation	July-September
<b>SEMESTER (IT PROGRAMMES)</b>			
B	1	Fresh	July-September
	2	Continuation	Odd Semester (July-September)
			Even Semester (January-February)
<b>ADMISSION TEST FOR M.Sc. IT PROGRAMME</b>			
C	August		
<b>ANNUAL PROGRAMMES</b>			
D	1	Fresh	July-September
	2	Continuation	July-September
<b>DISTRIBUTION OF SLM</b>			
<b>SEMESTER/ANNUAL (TRADITIONAL PROGRAMMES)</b>			
A	1	Fresh	July-October
	2	Continuation	July-October
<b>SEMESTER (IT PROGRAMMES)</b>			
B	1	Odd Semester	July-October
	2	Even Semester	Jan-March
<b>CONTACT CLASSES</b>			
<b>SEMESTER (TRADITIONAL PROGRAMMES)</b>			
A	1	Odd Semester	September-December
	2	Even Semester	March-June
<b>SEMESTER (IT PROGRAMMES)</b>			
B	1	Odd Semester	September-December
	2	Even Semester	March-June
<b>ANNUAL PROGRAMME</b>			
C	1	Previous	December-May
	2	Final	December-May
<b>EXAMINATION : TERM END</b>			
<b>SEMESTER (TRADITIONAL/IT)</b>			
A	1	Previous	July-August (All Sundays)
	2	Final	July-August (All Sundays)
<b>ANNUAL</b>			
August-September (All Sundays)			
B	<i>Schedule may change as per directive of the controller of Examination, GU/Govt. of Assam</i>		

<b>EXAMINATION: Sessional (OMR based Internal Examination)</b>			
A	<b>SEMESTER (TRADITIOAN/IT)</b>		
	1	Odd Semester	November
	2	Even Semester	May
<b>ANNUAL</b>			
January			
<b>DECLARATION OF RESULT (Term End)</b>			
<b>SEMESTER (TRADITIONAL/IT)</b>			
A	1	Odd Semester	May-June
	2	Even Semester	November-December
B	<b>ANNUAL</b>		
	Januray		

Programme Project Report

PPR ID : GU/GUIDOL/PPR/21 (Total no. pages : 29 )

Programme: Master of Computer Application (MCA)

1. Programme mission and objective:

The mission of the Programme to be launched is to cater to the need of higher education in Computer Science and its applications for the purpose of producing value based, highly qualified Post Graduates. Moreover, there is a need to provide an effective teaching-learning environment so as to achieve excellence in research and developmental activities. The mission of the program also includes providing a platform to disseminate knowledge by bridging the gap between interdisciplinary activities.

Objectives of the Programme:

- to practice computational techniques for the purpose of solving real-world problems.
- to enhance and develop knowledge and understanding of the theoretical and practical foundations of Computer Science as a subject.
- to develop conceptual and analytical knowledge among the learners so that they can exhibit novel approach to solving problems and also showcase their talent in critical analysis, design and implementation skills.
- to prepare qualified human resources who will contribute to the society by innovating new ideas and thoughts.
- to generate competent and well-educated man-power for the teaching profession as well as manning positions of research associates in public/private sector academic institutions.
- to prepare graduates who will be highly competent professionals in the field industry, research, entrepreneurial and consulting firms.
- to impart education for sustainable future.



পঞ্জীয়ক

গুৱাহাটী বিশ্ববিদ্যালয়, গুৱাহাটী-১৪

Registrar

Gauhati University, Guwahati-14

## **2. Relevance of the programme with HEI's mission and goals:**

Gauhati University was established in 1948 with a mission to revitalize educational leadership, to set the standard for the production and dissemination of knowledge as well as to become an effective instrument of change in the society. With this aim in view, the Department of Computer Science was established in the year 1985. The Department started a one year Post Graduate Diploma course in Computer Science and Applications (PGDCSA) with thirty seats in 1986 at time in which there were only a few institutions in the entire country offering post graduate programmes in Computer Science. The objectives of the programme were to produce Computer Programmers, Research Scholars, Teachers, Instructors, Computer Professionals; i.e. to produce manpower for software industries, research and educational institutions and other organizations in India and abroad and association of the new generation in these fields and related areas. In 2001, a two-year (four semesters) M.Sc. programme in Computer Science was introduced after obtaining approval from the UGC with student intake capacity 15 per batch, replacing the PGDCSA programme. In 2005, the Department started another course M.Sc. in Information Technology (M.Sc.-IT) together with the existing M.Sc. program in Computer Science. The programme has been designed to meet the growing demand of qualified professionals in the area of computational processing. The programme is inclined more towards application development so that faster and efficient tools and technologies can be generated. However, the MCA programme is not yet being launched in the parent department of HEI. The regular MCA programme has been run by the Assam Engineering College, affiliated under Gauhati University with an intake capacity of 30 students per year, which is very limited.

Keeping in view the motto of "*Quality Higher Education For All*", Master of Computer Application (MCA) to be offered through ODL mode is very much relevant to the HEI's mission and goals as it aims to provide quality higher education in Computer Science to those aspiring candidates who are deprived of higher education. Moreover, to keep the quality intact the curriculum and syllabus has been designed at par with the conventional mode keeping in mind the specific needs and acceptability of the learners in the ODL mode and in keeping with the aims and objectives of the parent department.

### **3. Nature and target group of learners:**

Our target group includes:

- (1) those deprived of admission in the parent Department of regular mode due to limited intake capacity.
- (2) those employed in various organizations who desire to pursue higher education as a passion or as a means for movement up the promotional ladder.
- (3) drop outs primarily due to social , financial and economic compulsions as well as demographic factors.
- (4) those who are always eager to produce novel innovations with the purpose to serve the society as well as for professional development.
- (5) job seekers, who want to go for professions like software engineering, system analyst, troubleshooter, research associates, technical experts may pursue this programme.
- (6) most importantly, learners may pursue the programme with an aim to do researches in different domains of computer science.

Gauhati University also has a provision in the ODL mode for lateral entry for those who had to discontinue the regular programme after successful completion of the first two semesters due to unavoidable reasons. Acceptability of the lateral entry provision is an indicator of parity of the courses in regular and distance mode. The curriculum is designed to enable learners to fulfill their aims and objectives in a manner they deem fit and proper. The curriculum is designed by a committee comprising of experts from the Department of the HEI , external experts and teachers of GUIDOL, keeping in view the needs of the diverse class of learners.

### **4. Appropriateness of the programme to be conducted in the ODL mode for acquiring specific skills and competence:**

The MCA programme to be offered through ODL Mode will have certain learning outcomes. This programme will help the learners:

- to get familiar with using the ICT enabled tools and techniques.
- to develop conceptual, synthesized and analytical knowledge of Computer Science and computational logic.



- To enhance and develop knowledge and understanding of the theoretical and practical foundations of Computer Science as a subject.
- to get to know and understand various multidisciplinary subjects pertaining to Computer Science.
- to apply the acquired knowledge in various real-life applications.
- to design and develop applications to analyze and solve problems.
- to improve competencies in creative thinking in order to develop efficient systems.
- to formulate new methodologies in order to solve complex problems by integrating existing contemporary tools and techniques.
- to motivate them work on the research and development projects of their own interest.
- to showcase the ability to function as a leader with positive attitudes in multidisciplinary research projects.

Learners are expected to acquire the skills like having good command in programming, having an interest in web designing, having sound knowledge in networking, database etc. Learners are also expected to be possessed with good problem solving capacity. Most importantly, they will be equipped with creative learning which is very much required for career advancement.

## **5. Instructional Design:**

**a) Curriculum Design:** The curriculum is designed by a committee comprising experts from the parent department and ODL mode of Gauhati University, keeping in view the needs of the diverse class of learners.

**b) Detailed Syllabus:** Please refer to ENCLOSURE- I

**c) Duration of the Program:** Minimum 3 years. However, the learners are required to complete the course within 6 (six) years from the date of admission.

**d) Instructional Delivery Mechanism:** The programme will be delivered in 6 (six) semesters having 5 (five) courses/papers in each semesters. The learners will be provided with the printed SLMs which cover almost all the contents in the syllabus (*Enclosure-III*). Counseling/regular classes for both theory and practicals will be held

in headquarter and in various study centers. Telephonic Counseling and providing online learning resources will also be a part of instructional Delivery mechanism. The progress of the learners will be assessed periodically. At the end of each semester, learners' performance will be evaluated by Term/Semester-end examination.

**e) Faculty:**

**(i) Full Time**

1. Dr. Ridip Dev Choudhury, MSc (Comp. Sc.), PhD – Course Co-ordinator cum Assistant Professor, GUIDOL
2. Dr. Khurshid Alam Borbora, MSc (Comp. Sc.), PhD - Assistant Professor, GUIDOL
3. Mr. Swapnanil Gogoi, M.Sc. (Comp. Sc.) - Assistant Professor, GUIDOL
4. Pallavi Saikia, M.Sc. (Comp. Sc.) - Assistant Professor, GUIDOL
5. Hemanta Kalita, M.Sc. (IT), M.Tech. - Assistant Professor, GUIDOL
6. Rita Chakraborty, M.Sc. (IT) - Assistant Professor, GUIDOL

**(ii)** Resource persons are drawn from amongst teachers of affiliated colleges, researchers, faculty members of the Department of HEI and experts from specific domain.

**f) Media:** Print Media, ICT enabled tools, Multi-Media and e-Learning Portal.

**g) Student Support Service:** In order to successfully execute the programme, the Institute has a wide range of support services. The various support services are listed as below-

**(i)Network of Study Centers:** To assist its learner IDOL has established 96 study centers throughout the State of Assam.(within the territorial jurisdiction)

**(ii)State of the art Library** with around 7 thousand collections of materials which includes books, journals, magazines, CD and DVDs.

**(iii)E- Learning Portal:** [www.bodhidroom.guidol.in](http://www.bodhidroom.guidol.in) the first of its kind in the entire North east region of India. This portal provides the following services to the learners:

- Online enrolment of students

- Independent Discussion Forum for every course
- Independent News Forum for every course
- Online interaction facility with faculty members
- Online interaction between the students making the scope of collaborative learning
- Interaction through chatting of all users of all courses who are online.
- Separate Chat Room for individual course
- **Message My Teacher:** When a student logged on to Bodhidroom, after enrolling himself/herself to a course, he/she will see the names of the virtual class teachers. Student can directly send offline messages to the teachers. When the teacher is logged on, he will receive an alert of incoming messages. Then he can reply to the message.
- Online Study Material
- Old Examination Question Papers

**(iv) Dynamic Website** Gauhati University has a dedicated dynamic website for ODL learners where one can get all the information regarding its programmes, upcoming events, examination results etc.

**(v) Computerised admission process with provision of online admissions:** The whole system of admissions and examinations are managed using professional software which gives instant online access to learners and it can be accessed through [www.idolgu.in](http://www.idolgu.in) .

**(vi) Flexible Walk in Group Counselling(FWGC):** Regular group and individual counselling will be held in the IDOL (headquarter) complex as well as in the parent department during all working days. Learners may walk-in to the designated IDOL counselling room and meet their teachers to clarify their doubts.

**(vii) Personal Contact Programme (PCP):** In addition to the Study Materials, useful Personal Contact Programmes will be held at various affiliated study centres, which will enable the students to clarify their confusions and ease their difficulty while going through it. Qualified faculty members of affiliated study centres will help out the attending students by providing necessary tips and

Guidelines during the interactive sessions. These sessions are also meant to give the students a chance to meet the teachers personally and discuss their problems.

**(viii) Community FM Radio:** Gauhati University has its own Community radio station named as “Radio Luit90.8 FM” and operates daily from 8AM to 8PM. The Community Radio station shall be extensively used to broadcast radio talks on various courses daily. The broadcast contents are designed as per the requirements by teaching staff of both the ODL Institute as well as the parent department. Experts are outsourced if the need arises.

## **6. Procedure for Admissions, Curriculum transaction and Evaluation-**

**a) Admission-** The admission process shall start from August and end by the end of September every year. A learner can go for either offline or online admission process. The minimum eligibility for MCA program is any graduate from any recognized Indian or Foreign University. An entrance test shall be conducted for the admission to this programme. The maximum intake capacity for this programme per study centre including the headquarter shall be 60. The proposed fee for admission is Rs. 10,000.00 (Ten Thousand only) for 1<sup>st</sup> and 2<sup>nd</sup> semesters and Rs 11500.00 (Eleven Thousand Five Hundred only) for 3<sup>rd</sup>, 4<sup>th</sup>, 5<sup>th</sup> and 6<sup>th</sup> semesters. However, the minimum qualification for the students who desire to seek admission in MCA Lateral programme must be BCA/B.Sc.(IT)/B.Sc.(Computer Science)/PGDCA from any recognized university or Graduate with DOEACC-A level degree. Financial Assistance is provided to the candidates belonging to SC/ST and OBC category in the form of scholarship. A few learners belonging to the economically deprived section as well as the physically challenged category are provided free ship on the recommendation of the Vice-Chancellor of the University.

### **b)Curriculum transaction- Activity Planner:**

The curriculum will be transacted throughout the year as per the following activity planner:

- Regular Counseling/Classes/Practicals will be carried out for minimum of 4 (four) months per semester.

a) For odd semesters classes will start from the month of March and end by June every year and

b) For even semesters classes will start from the month of October and end by the end of January every year.

- Regarding the classes related to theory and practical courses/papers,
  - a) One theory class, of one hour duration, for each course/paper will be conducted in a week.
  - b) One practical class, of two hours duration, for each course/paper with practical component will be conducted in a week.

- For slow-learners, few remedial classes/counseling will be conducted as necessary.

**c) Evaluation-** Each course/paper will carry 100% weightage for the term/semester-end examinations. In order to pass/clear a course/paper, a candidate must secure minimum 35% marks in case of theory course/paper and 40% marks in practical as well as in the final project. Apart from these, a learner will have to give a seminar presentation in 5<sup>th</sup> semester which also will carry 100 marks. The learner must secure minimum 40% in this paper in order to get passed. All examinations are conducted by the Controller of Examinations as per Rules and Regulations of Gauhati University.

#### **7. Requirement of the Laboratory Support and Library Resources:**

a) The University has a State of the Art Central Library with rich collections of materials which includes books, journals, magazines, CD and DVDs, and is accessible to the ODL learners as well. Moreover, the Institute has its own Library where various books, journals and magazines are available.

Gauhati University being a member of UGC-Infonet Digital Library Consortium (<http://www.inflibnet.ac.in/econ/index.php>) which provides current as well as archival access to more than 5000 core and peer-reviewed journals and nine bibliographic databases from 23 publishers and aggregators in different disciplines. The ODL learners can access the e-resources of UGC-Infonet Digital Library Consortium from the Gauhati University campus.

For conducting theory and practical classes, there are 2 (two) Digital Classrooms and 2 (two) Computer Laboratories with the following facilities available at HQ:

	<b>Item</b>	<b>Quantity</b>
<b>Computer Lab 1</b>	Desktop Computer	55
	LCD Overhead Projector	1
	Document Scanner with Overhead Projector	1
	40 inch LED TV for parallel display with the LCD projector	1
	Smart Board	1
	Sound System with Lapel Connectivity	1 Set
	Split AC	4
	LAN Connectivity	
	Internet Connectivity provided by NKN	
<b>Computer Lab 2</b>	Desktop Computer	22
	55 inch LED TV used for projection	1
	Split AC	2
	LAN Connectivity	
	Internet Connectivity provided by NKN	
<b>Digital Classroom 1</b>	Intake Capacity	64
	LCD Projector	1
	Sound System with Lapel Connectivity	1 Set
	Podium	1
	Split AC	3
	LAN Connectivity	
	Internet Connectivity provided by NKN	
<b>Digital Classroom 2</b>	Intake Capacity	100
	LCD Projector	1
	Sound System with Lapel Connectivity	1 Set
	Podium	1
	Split AC	4
	LAN Connectivity	
	Internet Connectivity provided by NKN	

*\*It is also mandatory for all Study Centers offering MCA and related programmes to have similar facilities.*

#### **8. Estimated cost of the Programme:**

Total estimated cost of the programme is approximately Rs. 60 Lakhs which includes preparation and printing of SLMs, remuneration of the Resource persons, establishment cost and overheads. The estimate is evaluated considering the unit

expenses of Rs.2.5 Lakhs per paper /1000 students for the entire duration of two years.

9. **Quality assurance Mechanism and Expected Programme outcome:** The institute has a *Centre for Internal Quality Assurance (CIQA)* constituted by the statutory body of the HEI. Members of the Cell are drawn from among the Deans of the different Faculty, Heads of the respective departments, Executive Council members, administrative staff and teaching staff of the institute. The Internal Quality Assurance Cell shall review the relevance and standard of the programme from time to time and make necessary changes in the syllabus and contents of the programme. The HEI shall continuously monitor the effectiveness of the program through *CIQA* and other statutory bodies.

The expected programme outcome is reflected in the course benchmark statement which is stated as below:

**Course Benchmark Statement:** Master degree in Computer Application shall be awarded to those learners who can demonstrate:

- essential knowledge of theoretical and practical foundations Computer Science and its Applications.
- application of relevant knowledge in order to formulate methodologies in solving a real-world and complex problem.
- innovative ideas by analyzing a given problem.
- professional competence in developing softwares by integrating contemporary tools and techniques.

**ENCLOSURE-I**

<b>Course No</b>	<b>Course Title</b>	<b>Evaluation Pattern</b>	<b>Credit</b>
<b>SEMESTER - I</b>			
IT-01	Fundamentals of Computers	Objectives:40%, Descriptive: 60%	3
IT-02	Introduction to Programming	Objectives:40%, Descriptive: 60%	4
IT-03	Digital Logic	Objectives:40%, Descriptive: 60%	3
IT-04	Practical Lab-1 ( PC Software + Programming)	PC Software:70%, Programming: 30%	4
IT-05	Communication Skills & Technical	Objectives:40%, Descriptive: 60%	2
<b>SEMESTER - II</b>			
IT-06	Programming in C++	Objectives:40%, Descriptive: 60%	4
IT-07	Database Management System	Objectives:40%, Descriptive: 60%	4
IT-08	Computer Network & Internet	Objectives:40%, Descriptive: 60%	4
IT-09	Practical Lab-2 (Programming+DBMS+Internet)	Programming: 40%, DBMS: 30%, Internet: 30%	4
IT-10	Management and Accounting	Objectives:40%, Descriptive: 60%	3
<b>SEMESTER - III</b>			
IT-11	Mathematical Foundation of Computer Science	Objectives:40%, Descriptive: 60%	3
IT-12	Data Structure and Algorithm	Objectives:30%, Descriptive: 40%, Practical:30%	4
IT-13	Computer Organization & Architecture	Objectives:40%, Descriptive: 60%	4



IT-14	Operating System	Objectives:30%, 40%, Practical:30%	Descriptive:	4
IT-15	Web Technology and E Commerce	Objectives:30%, 40%, Practical:30%	Descriptive:	4
<b>SEMESTER – IV</b>				
IT-16	Objected Programming using JAVA	Oriented	Objectives:30%, 40%, Practical:30%	Descriptive: 4
IT-17	Data Communication & Computer Network		Objectives:40%, 60%	Descriptive: 4
IT-18	Advanced Management System	Database	Objectives:40%, 60%	Descriptive: 3
IT-19	Linux Administration	System	Objectives:30%, 40%, Practical:30%	Descriptive: 4
IT-20	Compilers		Objectives:40%, 60%	Descriptive: 4
<b>SEMESTER – V</b>				
IT-21	Software Engineering		Objectives:40%, 60%	Descriptive: 4
IT-22	Computer Graphics & Multimedia		Objectives:40%, 60%	Descriptive: 4
IT-23	Application Development	Software	Objectives:30%, 40%	Descriptive: 4
IT-24	Elective			4
IT-25	Seminar			2
<b>SEMESTER – VI</b>				
IT-26	Major Project			18

List of electives:

1. Artificial Intelligence
2. Data Mining and Warehousing

# Detail Syllabus

## SEMESTER – I

### **IT-01: FUNDAMENTALS OF COMPUTERS**

#### **Introduction**

Brief history of development of computers, computer system concepts, capabilities and limitations, types of computers: Analog, Digital, Hybrid, general, special purpose, Micro, mini, mainframe super computers, generations of computers, personal computers, types of personal computers – Laptop, Palmtop etc.

#### **Computer software**

Need of software, types of software, System software – Operating system and its types, loader, linker etc.; Application software --word processing, spread sheet, presentation graphics, database management software; Programming languages - machine, assembly, high level, 4GL, their merits and demerits, Computer Viruses.

#### **Components of Computer System**

Basic components of computer system, Input devices, output devices, Control Unit, storage devices., maintaining the Computer System.

#### **PC Hardware and Maintenance**

Introduction and Identification of different hardware component of a PC , Installation of Operating System, Hard Disk Partitioning ,Troubleshooting.

#### **Introduction to Computer organization and architecture:**

### **IT-02: INTRODUCTION TO PROGRAMMING**

#### **Introduction to C:**

Steps for Problem Solving ,Algorithm, Analysis of Algorithm Efficiency, Flowchart , Pseudo code, Program , Programming Languages , Translators

History of C , Features of C, Structure of a C Program, Writing a C Program, Compiling and Run a C Program, Syntax and Semantic Errors, Linker Errors, Logical and Runtime Errors, Execution Process



Command Line Arguments in C, Structure of Programs that use Command-Line Arguments, Accessing Command-Line Arguments

**Files:**

Definition, File Handling in C Using File Pointers, fopen( ) , fclose( ) , Input and Output using file pointers , Character Input and Output in Files, String Input / Output Functions , Formatted Input / Output Functions , Block Input / Output Functions, Sequential Files, Random Access Files , Positioning the File Pointer

**IT-03: DIGITAL LOGIC**

**Binary Systems**

Digital Computers and Digital Systems, Binary Numbers, Number Base Conversion, Octal and Hexadecimal Numbers, Complements, Binary Codes, Binary Storage and Registers, Binary Logic, Integrated Circuits

**Boolean Algebra and Logic Gates**

Basic Definitions, Boolean Algebra: Theorems and Properties, Boolean Functions, Canonical and Standard Forms and Other Logic Operations. Digital Logic Gates and its different types.

**Simplification of Boolean Functions**

Map Method: Two, Three and Four variable maps. Product of Sums Simplification, NAND and NOR implementation, Don't Care Conditions, Tabulation Method.

**Combinational Logic and Sequential Logic**

Adders: Half Adder, Full Adder and Binary Parallel Adder. Decoder, Encoder, Multiplexer, Demultiplexer.

Flip-Flops and its different types, Registers, Shift Registers, Counters.

**IT-04: PRACTICAL LAB-1 (PC Software + Programming)**

MS Office Suit

Exposure to Open Office

Programming in C

## **SEMESTER – II**

### **IT-06: PROGRAMMING IN C++**

#### **Principles of OOP**

What is OOP, Difference between OOP and Structured Programming, Basic Concepts of Class, Object, Data abstraction and Encapsulation, Inheritance , Polymorphism, Dynamic binding, Message passing, Benefits of OOP, OOP languages, Applications

#### **Introduction to C++**

Features of C++ , Structure of a C++ Program, The iostream file, cin and cout object, Saving a C++ program, Compiling and Running a C++ Program.

Variables, Constants, Operators and Expressions and Control Statements (if, switch, for, while, do-while) in C++.

#### **Functions in C++**

Return types in main(), function prototyping, Call by reference, Call by value, Call by address.

Inline functions, Default arguments, Constant argument, Function overloading.

#### **Classes and Object:**

Specifying a class, Member of a class, Access specifier , Use of scope resolution operator(::) , Creating object, Accessing class members, Defining member functions, Friend function, Friend class, Object as function arguments, Constructor , Constructor overloading, Default argument constructor, Copy constructor, Parameterized constructor, Default constructor, Destructors.

#### **Inheritance:**

Concept of Base class and Derive class, Types of Inheritance

### **IT-07: DATABASE MANAGEMENT SYSTEM**

#### **The Basic Concepts**

The file based system, limitations of file based system, the Database Approach, Advantages of DBMS.

#### **DBMS Architecture**

Three level architecture of Database System, Mappings, Data Independence.

Components and Functions of DBMS, Database Administrator and its roles.

## **Entity, Attributes and Associations**

Definition of Entity, attribute, association among entity and attributes, Generalizations and Aggregation.

## **Data Models**

Relational Model, Hierarchical Model, Network Model

### **The Relational Model**

The Relational Model, Domains, Attributes, Tuples, Relations and Views. Primary Key, Foreign Key, Candidate Key, Alternate Key, Super Key, Relational Constraints.

The E-R Model, Weak Entity and Strong Entity.

### **Relational Algebra**

Basic operations – Union, Intersection, Difference and Product. Additional operations – Select, Project, Join and Divide.

### **Database Integrity and Normalization**

Referential Integrity, Entity Integrity. Functional Dependencies, Concept of Normalization, First Normal Form, Second Normal Form, Third Normal Form, Boyce Codd Normal Form.

### **Structured Query Language**

What is SQL? Data Definition Languages, Data Manipulation Languages, Data Control Languages.

### **Database Recovery and Security**

What is Recovery? Kinds of failures, Failure controlling methods, Database errors, Recovery Techniques, Security & Integrity, Relationship between Security and Integrity.

## **IT-08: COMPUTER NETWORK & INTERNET**

### **Computer Network**

Uses of computer networks, Types of computer networks: LAN, MAN, WAN etc., Networks topologies, Layered architecture. Interface and services, Connection-oriented and connectionless service, The relationship of services to protocol,

The OSI reference model, The TCP/IP reference model, Different inter-connecting devices: repeaters, hubs, bridges, switches, routers and gateways.

Physical layer: Guided and wireless transmission media, Satellite communication and their relative merits and demerits

Data link Layer: Functions of data link layer, framing error control flow control

Network Layer: Functions of network layer, Virtual circuit vs. datagram subnet, Routing, Internet protocol (IP)

Transport Layer: Basic functionality of transport layer, TCP and UDP protocol

Application Layer: Domain Name Service (DNS), electronic mail, ftp, telnet, www, http, URL

### **Internet Overview**

History of Internet, Internet services: telnet, e-mail – Definition, use, Equipments required for an Internet Connection, Opening an e-mail account, Reading and Writing e-mail.

Web browser, Components of a Web Browser, Web page, home page, web site, URL, introduction to e-commerce, Surfing the Internet., Search Engine, uploading and downloading.

### **Introduction to HTML**

Hypertext Markup Language (HTML), Writing a web page in HTML, Tags, hyperlinks, URLs, tables, text formatting in web pages, Using graphics and multimedia in web pages; image maps., Use of frames and forms.

### **Introduction to JavaScript:**

Constants, variables, operators, expressions, statements. Use of user-defined and built-in functions, Client-side Form validation using JavaScript, Using properties and methods of built-in objects.

### **IT-09: PRACTICAL LAB-2 (Programming + DBMS + Internet)**

### **IT-10: MANAGEMENT & ACCOUNTING**

Accounting: Principles, concepts and conventions, double entry system of accounting, introduction to basis books of accounts of sole proprietary concern, closing of books of accounts and preparation of trial balance.

inal Accounts: Trading, Profit and Loss accounts and Balance sheet of sole proprietary concern (without adjustment)

Financial Management: Meaning, scope and role, a brief study of functional areas of financial management. Introduction to various FM tools: Ration Analysis, Fund Flow statement and cash flow statement (without adjustments)

Costing: nature, importance and basic principles. Marginal costing: Nature scope and importance, Break even analysis, its uses and limitations, construction of break even chart, Standard costing: Nature, scope and variances (only introduction)

Computerized accounting: Meaning and advantages, Computer Programs for accounting, Balancing accounts, Trial balance and final accounts in computerized, Accounting, control, and Audit, Sub- Modules of computerized accounting systems.

### **SEMESTER – III**

#### **IT-11: MATHEMATICAL FOUNDATION OF COMPUTER SCIENCE**

Sets and Relations: Definition of sets, subsets, complement of a set, universal set, intersection and union of sets, De-Morgan's laws, Cartesian products, Equivalent sets, Countable and uncountable sets, minset, Partitions of sets, Relations: Basic definitions, graphs of relations, properties of relations

Algebra of logic, Propositions, Connectives, Tautologies and contradiction, Equivalence and implication, Principle of Mathematical induction, quantifiers.

Introduction of a Matrix, its different kinds, matrix addition and scalar multiplication, multiplication of matrices, transpose etc. Square matrices, inverse and rank of a square matrix, solving simultaneous equations using Gauss elimination, Gauss Jordan Methods, Matrix Inversion method.

A general introduction, simple and multipgraphs, directed and undirected graphs, Eulerian and Hamiltonian Graphs, Shortest path algorithms, Chromatic number, Bipartite graph, graph coloring.

#### **IT-14: OPERATING SYSTEM**

##### **Introduction to Operating System**

What is an operating system, history of operating systems. Operating system concepts – processes, files and shells.

Operating system classification – Single user, multi user, simple batch processing, multiprogramming, multitasking, parallel systems, distributed system, real time system.

##### **Process Management**

Process - Process Model, Process Hierarchies, Process States, Threads - What is thread and its use, design issues of thread.



Process Scheduling:- Basic Concepts. Preemptive and non-preemptive scheduling. Types of scheduling:- batch, interactive and real-time. Scheduling Algorithms:- First Come First Server, Shortest Job First & Round Robin Scheduling.

What is Interprocess Communication, Race conditions, Critical-Sections, Mutual exclusion. Solution to race condition: - Disabling Interrupt, Peterson's solution, Sleep & Wake Up(The Producer Consumer Problem) and Semaphores.

### **Input/Output Management & Deadlocks**

Basic principles I/O Hardware, I/O Devices, Device controllers, DMA. Principles of I/O Software, its goals, Interrupt Handlers, Device Drivers, Device Independent I/O Software(its functions)

What is Deadlock.Principles of Deadlock (Deadlock conditions & Modelling).Deadlock Detection, Recovery &Prevention. Deadlock Avoidance(Banker's algorithm).

### **Memory Management**

Monoprogramming and Multiprogramming.Swapping and its basic concepts.Virtual Memory – Basic Concepts, Paging, Page Tables. Page replacement algorithms: - Optimal, Not Recently Used, First In First Out, Least Recently Used.

### **File System**

What is file, file naming, file types(directory, regular, device), sequential access and random access files, file attributes, operations on file, hierarchical directory structure, path name(relative and absolute), operation on directories. File System Implementation Techniques.

### **System Calls**

What is System Calls. System Calls:- Process Management(fork, getpid, getppid, wait, waitpid, exit, execve), Signaling(kill, sigaction, sigreturn, pause), File & Files System Management(creat, open, close, read, write, lseek, stat, fstat, dup, rename).

## **SEMESTER – IV**

### **IT-16: OBJECT ORIENTED PROGRAMMING USING JAVA**

#### **Object Oriented Methodology**

Paradigms of Programming Languages, Evolution of OO Methodology, Basic Concepts of OO Approach, Comparison of Object Oriented and Procedure Oriented Approaches, Benefits of OOPs, Introduction to Common OO Language, Applications of OOPs

Classes and Objects, Abstraction and Encapsulation, Inheritance, Method Overriding and Polymorphism.

## **Java Language Basics**

Basic Features, Java Virtual Machine Concepts, Primitive Data Type And Variables, Java Keywords, Java Operators.

Expressions, Statements, Control Statements, Selection Statements, Iterative Statements, Jump Statements, Arrays.

## **Class and Objects**

Class Fundamentals, Creating objects, Assigning object reference variables, Introducing Methods, Static methods, Constructors, Overloading constructors, This Keyword, Using Objects as Parameters, Argument passing, Returning objects, Method Overloading, Garbage Collection, The Finalize ( ) Method

## **Inheritance and Polymorphism**

Inheritance Basics, Access Control, Multilevel Inheritance, Method Overriding, Abstract Classes, Polymorphism, Final Keyword

## **Packages and Interfaces**

Package, Defining Package, CLASSPATH, Package naming, Accessibility of Packages, Using Package Members, Interfaces, Implementing Interfaces, Interface and Abstract Classes, Extends and Implements Together

## **I/O in Java**

I/O Basics, Streams and Stream Classes, Byte Stream Class, Character Stream Classes, Predefined Streams, Reading from, and Writing to, Console, Reading and Writing Files, The Transient and Volatile Modifiers, Using Instance of Native Methods

## **Strings and Characters**

Fundamentals of Characters and Strings, The String Class, String Operations, Data Conversion using Value Of ( ) Methods, String Buffer Class and Methods

## **Exploring Java I/O**

Java I/O Classes and Interfaces, I/O Stream Class, Input and Output Stream, Input Stream and Output Stream, Hierarchy, Text Streams, Stream Tokenizer, Serialization, Buffered Stream, Print Stream, Random Access File

## **IT-18: ADVANCED DATABASE MANAGEMENT SYSTEM**

### **Relational model, relational algebra, and relational calculus (review):**

Relational model concepts, relational databases and schemas; Relational algebra operations, queries in relational algebra; Tuple relational calculus, domain relational calculus, overview of QBE; Commercial query language SQL- data definition, constraints, SQL queries, insertion, deletion, updation.

### **Semantic modeling (review):**

Introduction, The E-R model, E-R diagrams, design of database with E-R model.

### **Normalization and functional dependencies (review):**

design guidelines, functional dependencies, normal forms- 1NF, 2NF, 3NF, BCNF.

### **System implementation techniques:**

Query processing and optimization- translation between SQL queries and relational algebra, introduction to basic algorithms for executing query operations; Transaction processing- transaction and system concepts, desirable properties, schedules and recoverability; Concurrency control- locking techniques, concurrency control based on timestamp ordering, multiversion concurrency control techniques; Database recovery- concepts and techniques, recovery in multidatabase systems; Security and authentication- issues, access control techniques, introduction to multilevel security.

### **Object oriented database systems:**

Concepts of object-oriented databases; Standards, languages and design; Object relational database systems.

### **Distributed databases:**

Concepts; Data fragmentation, replication, and allocation techniques; Types of distributed database systems; Query processing in distributed databases; Overview of concurrency control and recovery in distributed databases.

### **Image, multimedia, and spatial databases:**

Concepts of Image, multimedia, and spatial databases; Content-based indexing and retrieval, Indexing techniques- R trees, R+ trees, KD trees.

## **IT-20: COMPILERS**

The Structure Of A Compiler, Phase Of A Compiler, Compiler Tools, Finite Automata, Regular Expressions, Conversion From Regular Expression To Finite Automata.

Syntax Analysis, Context Free Grammars, Top Down & Bottom Up Parsing Techniques.

Construction of LR, SLR&LALR Parsers.

Syntax Directed Translation & Their Implementation. Intermediate Code, Postfix Translation, Phase Trees, Syntax Trees.

Run Time Environment: Storage Organization, Storage Allocation Strategies, Parameter Passing, Symbol Tables, Code Generation, Problem In Code Generation, A Simple Code Generation & Code Optimization: Principle Sources, Loop Optimization, DAG Representation

## **IT-15: WEB TECHNOLOGY AND E-COMMERCE**

### **Review of HTML & JavaScript:**

Various HTML Tags, properties & use; Cascading Style Sheet (CSS). Creating interactive and dynamic web pages with JavaScript.

### **Markup language basics:**

Standard Generalized Markup Language (SGML)- structures, elements, Content models, DTD, attributes, entities. Extensible Markup Language (XML)- Introduction: using user-defined tags in web pages; displaying XML contents using HTML and JavaScript; XML Document Type Definitions;

Extensible Stylesheet Language (XSL) and its use to display XML contents; XSL and basic database queries; brief introduction to other markup languages: VML, MathML, VRML, RELML, HRMML, VoxML, etc.

### **Web Browsers:**

functions and working principle of web browsers; plug-ins & helper applications; conceptual architecture of typical web browsers (like Mozilla).

### **Introduction to Client/Server Computing:**

client-server computing basics; types of Client/Server systems; middleware; N-tiered systems: 2-tier/3-tier/4-tier systems; Fat Clients versus Fat Servers.

### **Web Servers:**

Web services and web server functionality; web server composition; registration; HTTP, IP address, DNS & ports; conceptual architecture of a typical web server (like Apache).

### **Server-side scripting:**

Overview of CGI, ASP, and JSP. Server side scripting using PHP- constants, variables, operators, expressions & statements; user-defined & built-in functions; form processing scripts; using properties and methods of built-in objects. Web database connectivity- introduction to ODBC; PHP with database connectivity.

### **Advanced web technologies:**

Brief introduction to COM, DCOM, CORBA, ISAPI, SOAP, UDDI, WSDL, .NET, etc.

Introduction to AJAX and its implementations.

### **Web Security:**

Firewalls- definition and uses, network layer firewalls and application layer firewalls; Proxy servers.

### **E – Commerce**

#### **Electronic commerce fundamentals:**

History and basic idea of EDI and electronic messaging, definition of e-commerce; administration, business, and consumer models of e-commerce; e-commerce enablers-cost reduction, trust issues, products, processes, and markets.

**E-commerce Internet applications:** overview of e-commerce standardization activities and standards

**Electronic payment systems:** digital cash- Ecash, ECheque, Credit card based payments systems, Micropayments and Macropayments.

**Social impacts of e-commerce:** changes in administration & business; electronic shopping; electronic forms; global e-commerce and future trends.

### **SEMESTER – V**

#### **IT-22: COMPUTER GRAPHICS & MULTIMEDIA**

Graphics Hardware: The Functional Characteristics Of The Systems Are Emphasized. Input Device: Keyboard Touch Panel, Light Pens, Graphic Tablets, Joysticks, Trackball, Data Glove, Digitizer, Image Scanner, Mouse, Voice Systems.

Hard Copy Devices: Impact And Non Impact Printers, Such As Line Printers, Dot Matrix Printers, Laser, Ink- Jet, Electrostatic, Flatbed And Drum Plotters. Video Display Devices: Refresh Cathode-Ray Tube, Raster Scan Display, Random Scan Displays, Color CRT-Monitors, Direct View Storage Tube, Flat Panel Displays, 3-D Viewing Devices, Raster Scan Systems, Random Scan Systems, Graphic Monitors And Workstation.

Scan Conversion Algorithm Line, Circle And Ellipse, Bresenham's Algorithm, Area Filling Techniques, Character Generation. 2-Dimensional Graphics: Cartesian And Homogenous Co-Ordinate Systems, Geometrical Transformation (Translation, Scaling, Rotation, Reflection, Shearing), Two Dimensional Viewing Transformation And Clipping (Line, Polygon And Text)

3-Dimensional Graphics: Geometrical Transformation (Translation, Scaling, Rotation, Reflection, Shearing), Mathematics And Projections (Parallel And Perspective). 3-D Viewing transformation And Clipping.

Hidden Line Surface Removal Algorithms, Z-Buffer, Scan Line, Sub Division Shading: Modeling

Light Intensities: Diffuse Reflection, Refracted Light, Half toning. Surface Shading Methods: Constant Intensity Method, Gouraud Shading, Phong Shading.

Introduction to Multi-media Technology, Audio System, Image Compression, Data Compression, Digital Motion Video, Authoring tools, Multimedia Applications, Multimedia DBMS

## **IT-23: APPLICATION SOFTWARE DEVELOPMENT**

### **Introduction to .NET**

.NET: Introduction, Advantages, DNA Architecture, Study of .NET Framework, Languages under .NET.

### **Introduction to VB.NET**

Basic Programming Rules, Creating a Project, Exploring & Coding a Project, Building a Project, Debugging.

Variables, Constants, Operators and Expressions and Control Statements, Arrays, Structures, Enumerators, Functions.

Class, Object, Inheritance, Events, String Handling, Exception Handling, File Handling, Multi-Threading, Memory Management Issues.

### **GUI Programming with VB.NET**

Introduction to GUI Application and Their Components. Elements of GUI Programming:

Controls, Properties, Methods, Events.

Form Control: Interacting with Controls, Dialog Controls, Creating and Using MDI Applications, Creating Custom Controls.

### **Database Programming**

Connecting to Databases, Retrieving Data, Inserting Data, Updating Data etc.

## **IT-25: SEMINAR**

### **SEMESTER – VI**

IT-26: MAJOR PROJECT

**ACADEMIC CALENDAR**  
**Gauhati University Institute of Distance and Open Learning**  
**Guwahati- 781014, Assam**

<b>ADMISSION</b>			
<b>SEMESTER (TRADITIONAL PROGRAMME)</b>			
A	1	Fresh	July-September
	2	Continuation	July-September
<b>SEMESTER (IT PROGRAMMES)</b>			
B	1	Fresh	July-September
	2	Continuation	Odd Semester (July-September)
			Even Semester (January-February)
<b>ADMISSION TEST FOR M.Sc. IT PROGRAMME</b>			
C	August		
<b>ANNUAL PROGRAMMES</b>			
D	1	Fresh	July-September
	2	Continuation	July- September
<b>DISTRIBUTION OF SLM</b>			
<b>SEMESTER/ANNUAL (TRADITIONAL PROGRAMMES)</b>			
A	1	Fresh	July-October
	2	Continuation	July-October
<b>SEMESTER (IT PROGRAMMES)</b>			
B	1	Odd Semester	July-October
	2	Even Semester	Jan-March
<b>CONTACT CLASSES</b>			
<b>SEMESTER (TRADITIONAL PROGRAMMES)</b>			
A	1	Odd Semester	September-December
	2	Even Semester	March-June
<b>SEMESTER (IT PROGRAMMES)</b>			
B	1	Odd Semester	September-December
	2	Even Semester	March-June
<b>ANNUAL PROGRAMME</b>			
C	1	Previous	December-May
	2	Final	December-May
<b>EXAMINATION : TERM END</b>			
<b>SEMESTER (TRADITIONAL/IT)</b>			
A	1	Previous	July-August (All Sundays)
	2	Final	July-August (All Sundays)
<b>ANNUAL</b>			
August-September (All Sundays)			
B	<i>Schedule may change as per directive of the controller of Examination, GU/Govt. of Assam</i>		

<b>EXAMINATION: Sessional (OMR based Internal Examination)</b>			
A	<b>SEMESTER (TRADITIOAN/IT)</b>		
	1	Odd Semester	November
	2	Even Semester	May
<b>ANNUAL</b>			
January			
<b>DECLARATION OF RESULT (Term End)</b>			
<b>SEMESTER (TRADITIONAL/IT)</b>			
A	1	Odd Semester	May-June
	2	Even Semester	November-December
B	<b>ANNUAL</b>		
	Januray		



**ENCLOSURE-III**  
**SLM covering syllabus**

<b>Sl. No.</b>	<b>Semester</b>	<b>Course/Paper No.</b>	<b>Course/Paper Name</b>
1	I	IT-01	Fundamentals of Computers
2		IT-02	Introduction to Programming
3		IT-03	Digital Logic
4		IT-05	Communication Skills & Technical Writing
5	II	IT-06	Programming in C++
6		IT-07	Database Management System
7		IT-08	Computer Network & Internet
8		IT-10	Management and Accounting
9	III	IT-11	Mathematical Foundation of Computer Science
10		IT-12	Data Structure and Algorithm
11		IT-13	Computer Organization & Architecture
12		IT-14	Operating System
13		IT-28 +IT 29	Adv. Web Technology and E Commerce

14	IV	IT-16	Objected Oriented Programming using JAVA
15		IT-17	Data Communication & Computer Network
16		IT-18	Advanced Database Management System
17		IT-19	Linux System Administration
18		IT-20	Compilers
19	V	IT-21	Software Engineering
20		IT-22	Computer Graphics & Multimedia
21		IT-23	Application Software Development
22		IT-24 (Elective)	a) Artificial Intelligence
	b) Data Mining and Warehousing		

**GAUHATI UNIVERSITY**  
**INSTITUTE OF DISTANCE AND OPEN LEARNING (GUIDOL)**

**Programme Project Report (PPR)**

**PPR ID :** GU/GUIDOL/PPR/19 (Total no. pages : 25 )

**Programme:** Master of Science (M.Sc.) in Information Technology (MSc-IT)

**I. Programme Mission and Objective:**

The mission of the Programme, to be launched, is "to cater to the need of higher education in Information Technology and to widen the periphery of computer science & information technology."

**Objectives of the Programme:**

- The program focuses on the design of technological information systems, as solutions, to business, research and communications support needs.
- To develop and promote technical skills needed to design, implement, and test solutions in the field of information technology.
- To provide a framework within which students can appreciate and integrate concept of new software technologies and extend their theoretical knowledge in specific areas of interest in academia and the industry.
- To provide graduates who are planning to work in an IT or computing environment with the opportunity to enhance their career prospects by gaining additional knowledge and skill in selected areas of IT.
- To generate competent and well-educated man-power for the teaching profession as well as manning positions of research associates in public/private sector academic institutions.

**2. Relevance of the Programme with HEI's Mission and Goals:**

Gauhati University was established in 1948 with a mission to revitalize educational leadership, to set the standard for the production and dissemination of knowledge as well as to become an effective instrument of change in the society. With this aim in view, the Department of Computer Science was established in 1985. The Department started a one year Post Graduate Diploma course in Computer Science and Applications (PGDCSA)



with thirty seats in 1986 at time in which there were only a few institutions in the entire country offering post graduate courses in Computer Science. The objectives of the course were to produce Computer Programmers, Research Scholars, Teachers, Instructors, Computer Professionals; i.e. to produce manpower for software industries, research and educational institutions and other organizations in India and abroad and association of the new generation in these fields and related areas. In 2001, a two-year (four semesters) M.Sc. programme in Computer Science was introduced after obtaining approval from the UGC with student intake capacity 15 per batch, replacing the PGDCSA programme. In 2005, the Department started another course MSc in Information Technology (MSc-IT) together with the existing MSc program in Computer Science. Keeping in view the motto of “*Quality Higher Education For All*”, Master in Information Technology (MSc-IT) to be offered through ODL mode is very much relevant to the HEI’s mission and goals as it aims to provide quality higher education in Information Technology to those aspiring candidates who are deprived of higher education due to various serious and unavoidable circumstances. Moreover, to keep the quality intact the curriculum and syllabi has been designed at par with the conventional mode keeping in mind the specific needs and acceptability of the learners in the ODL mode and in keeping with the aims and objectives of the parent department.

### **3. Nature and Target Group of Learners:**

Our target group includes

- 1) those who are deprived of admission in the parent department of Regular Mode due to limited intake capacity.
- 2) those employed in various organizations who desire to pursue higher education as a passion or as a mean for movement up the promotional ladder.
- 3) those willing to pursue research as a career.
- 4) those willing to have Computer Science/Information Technology as a career.
- 5) drop-outs primarily due to social, financial and economic compulsions as well as demographic factors.
- 6) job seekers.

Gauhati University also has a provision in the ODL mode for lateral entry for those who had to discontinue the regular course after successful completion of the first two semesters due to unavoidable reasons. Acceptability of the lateral entry provision is an

indicator of parity of the courses in regular and distance mode. The curriculum is designed to enable learners to fulfill their aims and objectives in a manner they deem fit and proper. The curriculum is designed by a committee comprising of experts from the Department of the HEI, external experts and faculties of the ODL mode, keeping in view the needs of the diverse class of learners.

#### **4. Appropriateness of the Programme to be Conducted in the ODL Mode for Acquiring Specific Skills and Competence:**

The MSc-IT programme to be offered through ODL mode will have certain learning outcomes. This programme will help the learners

- to design an IT solution using best practices and standard methodologies in the field of Computer Science and Information Technology,
- to enhance and develop their knowledge and understanding of the theoretical and practical foundations of Information Technology as a subject,
- to enhance the capacity for creative, technical and problem solving skills in a research context,
- to make themselves theoretically and practically knowledgeable to understand, design and implement large and complex Computer Applications,
- to make themselves fit to embrace the future developments and retaining professional relevance,
- in gaining dexterity in advanced programming languages and building sophisticated software for a wide area of applications,
- to work with high-end applications in Internet Technologies,
- in acquiring managerial ability to use IT skills in Decision Making, by Analyzing Problems, Developing Solutions and Explaining findings,
- to be acquainted with various generic skills and competencies for Team Work, Time Management and Critical Thinking.

#### **5. Instructional Design:**

**a) Curriculum Design:** The curriculum is designed by a committee comprising experts from the parent department and ODL mode of Gauhati University, keeping in view the needs of the diverse class of learners.

**b) Detailed Syllabus:** Annexure-I.

**c) Duration of the Program:** Minimum 2 years. However, the learners will be required to complete the course within 4 (four) years from the date of admission.

**d) Instructional Delivery Mechanism:** The programme will be delivered in 4 (four) semesters having 5 (five) course/paper in 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup> semesters and in 4<sup>th</sup> semester there are 3 (three) courses/papers and 1 (one) Major Project. The learners will be provided with the printed SLM which covers almost all the contents in the syllabus. Counseling/regular classes for both theory and practical is/will be held in headquarter and various affiliated study centres. Telephonic Counseling and providing online learning resources will also be a part of Instructional Delivery Mechanism. The progress of the learners is/will be assessed periodically. At the end of each semester, learners' performance is/will be evaluated by Term/Semester-end examination.

**e) Faculty:**

**(i) Full Time**

1. Dr. Ridip Dev Choudhury, MSc (Comp. Sc), PhD – Course Co-ordinator cum Assistant Professor, GUIDOL
2. Dr. Khurshid Alam Borbora, MSc (Comp. Sc), PhD - Assistant. Professor, GUIDOL
3. Mr. Swapnanil Gogoi, MSc (Comp. Sc) - Assistant. Professor, GUIDOL
4. Pallavi Saikia, MSc (Comp. Sc) - Assistant. Professor, GUIDOL
5. Hemanta Kalita, MSc (IT), M.Tech - Assistant. Professor, GUIDOL
6. Rita Chakraborty, MSc (IT) - Assistant Professor, GUIDOL

**(ii)** Resource persons are drawn from amongst teachers of affiliated colleges, researchers, faculties of the Department of HEI and also from the corporate sector.

**f) Media:** Print Media, ICT enabled tools, Multi-Media and e-Learning Portal.

**g) Student Support Services:** In order to successfully execute this programme, there are a wide range of support services. The various support services are listed as below:

**i) Network of Study Centres:** To assist its learners in ODL mode the University has established 96 study centres (list enclosed) throughout the State of Assam but within its territorial jurisdiction.

ii) **State of the Art Library** with around 7 thousand collections of materials which includes books, journals, magazines, CD and DVDs.

iii) **E-Learning Portal ([www.bodhidroom.guidol.in](http://www.bodhidroom.guidol.in))**: This portal is the first of its kind in the entire North east region of India. This provides the following services to the learners:

- Online enrolment of students
- Independent Discussion Forum for every course
- Independent News Forum for every course
- Online interaction facility with faculty members
- Online interaction between the students making the scope of collaborative learning
- Interaction through chatting of all users of all courses who are online.
- Separate Chat Room for individual course
- **Message My Teacher:** When a student logs in to Bodhidroom, after enrolling himself/herself to a course, he/she will see the names of the virtual class teachers. Student can directly send offline messages to the teachers. When the teacher is logged on, he will receive an alert of incoming messages. Then he can reply to the message.
- Online Study Material
- Old Examination Question Papers

iv) **Dynamic Website:** For ODL learners, the University have a separate website, [www.idolgu.in](http://www.idolgu.in), where one can get all the information regarding ODL programmes, up-coming events, examination results etc.

v) **Computerised Admission Process with Provision of Online Admissions:** The whole system of admissions and examinations are managed using professional software which gives instant online access to learners through [www.idolgu.in](http://www.idolgu.in).

vi) **Flexible Walk in Group Counselling (FWGC):** Regular group and individual counselling will be held in the IDOL (headquarter) complex during all working days. Learners may walk-in to the designated IDOL counselling room and meet their teachers to clarify their doubts.

**vii) Personal Contact Programme (PCP):** In addition to the Study Materials, useful Personal Contact Programmes will be held at various affiliated study centres, which will enable the students to clarify their confusions and ease their difficulty while going through it. Qualified faculty members of affiliated study centres will help out the attending students by providing necessary tips and guidelines during the interactive sessions. These sessions are also meant to give the students a chance to meet the teachers personally and discuss their problems.

**viii) Community FM Radio:** Gauhati University has its own Community radio station named as “Radio Luit 90.8 FM” and operates daily from 8AM to 8PM. The Community Radio station shall be extensively used to broadcast radio talks on various courses daily. The broadcast contents are designed as per the requirements by teaching staff of both the ODL Institute as well as the parent department. Experts are outsourced if the need arises.

## **6. Procedure for Admissions, Curriculum Transaction and Evaluation:**

**Admission:** The admission process shall start from August and end by the end of September every year. The learner can go for either offline or online admission process. The minimum eligibility for MSc-IT program is BSc/BCA from any recognized Indian or foreign university. An entrance test is/shall be conducted for the admission to this programme. The maximum intake capacity for this programme per study centre including the headquarter is/shall be 60. The fee for admission is Rs 11500.00 (Eleven Thousand Five Hundred only) per semester. Financial Assistance is provided to the candidates belonging to SC/ST and OBC category in the form of scholarship. A few learners belonging to the economically deprived section as well as the physically challenged category are provided free ship on the recommendation of the Vice-Chancellor of the University.

**Curriculum Transaction:** The curriculum will be transacted throughout the year as per the following activity planner:

- Regular Counseling/Classes/Practicals will be carried out for minimum of 4 (four) months per semester.
  - a) For odd semesters classes will start from the month of March and end by June every year and





For conducting theory and practical classes, there are 2 (two) Digital Classrooms and 2 (two) Computer Laboratories with the following facilities available at HQ:

	ITEM	QUANTITY
<b>Computer Lab 1</b>	Desktop Computer	55
	LCD Overhead Projector	1
	Document Scanner with Overhead Projector	1
	40 inch LED TV for parallel display with the LCD projector	1
	Smart Board	1
	Sound System with Lapel Connectivity	1 Set
	Split AC	4
	LAN Connectivity	
	Internet Connectivity provided by NKN	
<b>Computer Lab 2</b>	Desktop Computer	22
	55 inch LED TV used for projection	1
	Split AC	2
	LAN Connectivity	
	Internet Connectivity provided by NKN	
<b>Digital Classroom 1</b>	Intake Capacity	64
	LCD Projector	1
	Sound System with Lapel Connectivity	1 Set
	Podium	1
	Split AC	3
	LAN Connectivity	
	Internet Connectivity provided by NKN	
<b>Digital Classroom 2</b>	Intake Capacity	100
	LCD Projector	1
	Sound System with Lapel Connectivity	1 Set
	Podium	1
	Split AC	4
	LAN Connectivity	
	Internet Connectivity provided by NKN	

*It is also mandatory for all Study Centres offering M.Sc-IT and related programmes to have similar facilities.*

- 8. Estimated Cost of the Programme:** Total estimated cost of the programme is approximately Rs. 45 lakhs which includes preparation and printing of SLMs, remuneration of the Resource persons, establishment cost and overheads. The estimate is evaluated considering the unit expenses of Rs.2.5 lakhs per course/1000 students for the entire duration of two years.
- **9. Quality Assurance Mechanism and Expected Programme Outcome:** The institute has a *Centre for Internal Quality Assurance (CIQA)* constituted by the statutory body of the HEI. Members of the Cell are drawn from among the Deans of the different Faculty, Heads of the respective departments, Executive Council members, administrative staff and teaching staff of the institute. The Internal Quality Assurance Cell shall review the relevance and standard of the programme from time to time and make necessary changes in the syllabus and contents of the programme. The HEI shall continuously monitor the effectiveness of the program through *CIQA* and other statutory bodies.

Course Benchmark Statement: Please refer to para 4 mentioned above. Further, learners will be equipped for professional competence and employability.

## ENCLOSURE-I

### ➤ Detailed Syllabus

<b>Total Marks: 2000</b>		<b>Total Credits: 73</b>	
<b>Course No</b>	<b>Course Title</b>	<b>Evaluation Pattern</b>	<b>Credit</b>
<b>SEMESTER - I</b>			
IT-01	Fundamentals of Computers	Objectives:40%, Descriptive: 60%	3
IT-02	Introduction to Programming	Objectives:30%, Descriptive: 40%, Practical:30%	4
IT-03	Digital Logic	Objectives:40%, Descriptive: 60%	3
IT-05	Communication Skills & Technical Writing	Objectives:40%, Descriptive: 60%	2
IT-11	Mathematical Foundations of Computer Science	Objectives:40%, Descriptive: 60%	3
<b>SEMESTER - II</b>			
IT-07	Database Management System	Objectives:30%, Descriptive: 40%, Practical:30%	4
IT-12	Data Structure and Algorithm	Objectives:30%, Descriptive: 40%, Practical:30%	4
IT-13	Computer Organization & Architecture	Objectives:40%, Descriptive: 60%	4
IT-27	Web Technologies	Objectives:30%, Descriptive: 40%, Practical:30%	4
IT-10	Management and Accounting	Objectives:40%, Descriptive: 60%	3
<b>SEMESTER - III</b>			
IT-14	Operating System	Objectives:30%, Descriptive: 40%, Practical:30%	4
IT-17	Data Communication & Computer Network	Objectives:40%, Descriptive: 60%	4
IT-16	Objected Oriented Programming	Objectives:30%, Descriptive: 40%,	4

	using JAVA	Practical:30%	
IT-21	Software Engineering	Objectives:40%, Descriptive: 60%	4
IT-28	Advanced Web Technologies	Objectives:30%, Descriptive: 40%, Practical:30%	4
<b>SEMESTER - IV</b>			
IT-22	Computer Graphics & Multimedia	Objectives:40%, Descriptive: 60%	4
IT-23	Application Software Development	Objectives:40%, Descriptive: 60%	4
IT-29	E Commerce	Objectives:40%, Descriptive: 60%	3
IT-30	Project	200 Marks	8

## **SEMESTER – I**

### **IT-01: FUNDAMENTALS OF COMPUTERS**

#### **Introduction**

Brief history of development of computers, computer system concepts, capabilities and limitations, types of computers: Analog, Digital, Hybrid, general, special purpose, Micro, mini, mainframe super computers, generations of computers, personal computers, types of personal computers – Laptop, Palmtop etc.

#### **Computer software**

Need of software, types of software, System software – Operating system and its types, loader, linker etc.; Application software --word processing, spread sheet, presentation graphics, database management software; Programming languages - machine, assembly, high level, 4GL, their merits and demerits, Computer Viruses.

#### **Components of Computer System**

Basic components of computer system, Input devices, output devices, Control Unit, storage devices., maintaining the Computer System.

#### **PC Hardware and Maintenance**

Introduction and Identification of different hardware component of a PC , Installation of Operating System, Hard Disk Partitioning ,Troubleshooting.

## **IT-02: INTRODUCTION TO PROGRAMMING**

### **Introduction to C:**

Steps for Problem Solving ,Algorithm, Analysis of Algorithm Efficiency, Flowchart , Pseudo code, Program , Programming Languages , Translators

History of C , Features of C, Structure of a C Program, Writing a C Program, Compiling and Run a C Program, Syntax and Semantic Errors, Linker Errors, Logical and Runtime Errors, Execution Process

### **Variables and Constants:**

Character Set, Identifiers and Keywords, Rules for Forming Identifiers , Data Types and Storage Classes in C, Variables , Declaring Variables, Initializing Variables, Constants, Types of constants

### **Expressions and Operators:**

Assignment Statements, Unary and Binary Operators , Arithmetic Operators, Relational Operators , Logical Operators, Comma and Conditional Operators, Type Cast Operator, Size of Operator, Precedence of Operators

Control Statements, Decision Control Statements:: The if Statement , The switch Statement, Loop Control Statements:: The while Loop , The do-while Loop ,The for Loop, The Nested Loop, The Goto Statement, The Break Statement, The Continue Statement

### **Arrays:**

Definition , Syntax of Array Declaration and Initialization, Subscript, Processing the Arrays , Multi-Dimensional Arrays, Declaration and Initialization of Two-Dimensional Array, Processing of Two Dimensional Arrays, Representation of Matrix using Two Dimensional Array

### **Strings:**

Character Arrays, Declaration and Initialization of Strings, Array of Strings,Library String Functions: strlen , strcpy , strncpy , strcmp , strncmp , strcmpi , strncmp , strcat , strlwr , strlwr , strrev , strdup , strchr , strstr , strset , strnset , strstr

### **Functions:**

Definition , Structure of a Function , Function Declaration , Function Definition , Formal parameter , Actual parameter ,The Return Statement , Function Prototypes , Recursive Function, Function Calling: Call by value and Call by address

### **Structures and Unions:**

Declaration and Initialization of Structures, Accessing the Members of a Structure , Structures as Function Arguments , Structures and Arrays , Unions , Initializing an Union, Accessing the Members of an Union

### **Pointers:**

What is Pointer , Address and Indirection Operators , Pointer Type Declaration and Assignment, Pointer to a Pointer , Null Pointer Assignment , Pointer Arithmetic, Passing Pointers to Functions , Arrays and Pointers , Array of Pointers , Pointers and Strings

### **The C Preprocessor and Command Line Arguments:**

Definition, Macros in C, #define, #include, #ifdef, Other Preprocessor Commands, Predefined Names Defined by Preprocessor

Command Line Arguments in C, Structure of Programs that use Command-Line Arguments, Accessing Command-Line Arguments

### **Files:**

Definition, File Handling in C Using File Pointers, fopen( ) , fclose( ) , Input and Output using file pointers , Character Input and Output in Files, String Input / Output Functions , Formatted Input / Output Functions , Block Input / Output Functions, Sequential Files, Random Access Files , Positioning the File Pointer

## **IT-03: DIGITAL LOGIC**

### **Binary Systems**

Digital Computers and Digital Systems, Binary Numbers, Number Base Conversion, Octal and Hexadecimal Numbers, Complements, Binary Codes, Binary Storage and Registers, Binary Logic, Integrated Circuits

### **Boolean Algebra and Logic Gates**

Basic Definitions, Boolean Algebra: Theorems and Properties, Boolean Functions, Canonical and Standard Forms and Other Logic Operations. Digital Logic Gates and its different types.

### **Simplification of Boolean Functions**

Map Method: Two, Three and Four variable maps. Product of Sums Simplification, NAND and NOR implementation, Don't Care Conditions, Tabulation Method.

## **Combinational Logic and Sequential Logic**

Adders: Half Adder, Full Adder and Binary Parallel Adder. Decoder, Encoder, Multiplexer, Demultiplexer.

Flip-Flops and its different types, Registers, Shift Registers, Counters.

## **Processor and Control Logic Design**

Arithmetic Logic Unit and its design, Status Register. Hard-Wired Control, Microprogram Control.

## **SEMESTER – II**

### **IT-12: DATA STRUCTURE AND ALGORITHM**

Introduction to Data structure, Primitive and composite data types, Abstract Data Type Time and space complexity of algorithms, Concept of  $\Theta$ , Big-O, Small-o and Big-Omega notations.

Linear List , Arrays, Stacks, Queue, Circular Queue, Priority Queue

Singly Linked List, Doubly Linked List and Circular Linked List

Introduction to Trees, Properties of Trees, Binary Trees, Extended binary trees, Complete binary trees, Binary search trees, Weight balanced and Height balanced trees, AVL trees, Threaded Binary trees , B-Trees , Heap .

Introduction to Graph, Properties of Graphs, Connected graph, Sequential representation of Graphs : Adjacency Matrix, Path matrix, Warshall's algorithm, Linked Representation of Graphs : Adjacency list, Graph Traversal: Depth-first and Breadth-first

Spanning trees, Minimum Spanning tree, Prim's and Kruskal's algorithms  
Selection sort, Insertion sort, Bubble sort , Radix sort , Quick sort , Heap sort, Merge sort  
Searching techniques: Binary search, Linear search, Hashing.

### **IT-07: DATABASE MANAGEMENT SYSTEM**

#### **The Basic Concepts**

The file based system, limitations of file based system, the Database Approach, Advantages of DBMS.



### **DBMS Architecture**

Three level architecture of Database System, Mappings, Data Independence.  
Components and Functions of DBMS, Database Administrator and its roles.

### **Entity, Attributes and Associations**

Definition of Entity, attribute, association among entity and attributes, Generalizations and Aggregation.

### **Data Models**

Relational Model, Hierarchical Model, Network Model

### **The Relational Model**

The Relational Model, Domains, Attributes, Tuples, Relations and Views. Primary Key, Foreign Key, Candidate Key, Alternate Key, Super Key, Relational Constraints.

The E-R Model, Weak Entity and Strong Entity.

### **Relational Algebra**

Basic operations – Union, Intersection, Difference and Product. Additional operations – Select, Project, Join and Divide.

### **Database Integrity and Normalization**

Referential Integrity, Entity Integrity. Functional Dependencies, Concept of Normalization, First Normal Form, Second Normal Form, Third Normal Form, Boyce Codd Normal Form.

### **Structured Query Language**

What is SQL? Data Definition Languages, Data Manipulation Languages, Data Control Languages.

### **Database Recovery and Security**

What is Recovery? Kinds of failures, Failure controlling methods, Database errors, Recovery Techniques, Security & Integrity, Relationship between Security and Integrity.

### **IT-11: MATHEMATICAL FOUNDATION OF COMPUTER SCIENCE**

Sets and Relations: Definition of sets, subsets, complement of a set, universal set, intersection and union of sets, De-Morgan's laws, Cartesian products, Equivalent sets, Countable and

uncountable sets, minset, Partitions of sets, Relations: Basic definitions, graphs of relations, properties of relations

Algebra of logic, Propositions, Connectives, Tautologies and contradiction, Equivalence and implication, Principle of Mathematical induction, quantifiers.

Introduction of a Matrix, its different kinds, matrix addition and scalar multiplication, multiplication of matrices, transpose etc. Square matrices, inverse and rank of a square matrix, solving simultaneous equations using Gauss elimination, Gauss Jordan Methods, Matrix Inversion method.

A general introduction, simple and multipgraphs, directed and undirected graphs, Eulerian and Hamiltonian Graphs, Shortest path algorithms, Chromatic number, Bipartite graph, graph coloring.

### **IT-10: MANAGEMENT & ACCOUNTING**

Accounting: Principles, concepts and conventions, double entry system of accounting, introduction to basis books of accounts of sole proprietary concern, closing of books of accounts and preparation of trial balance.

Final Accounts: Trading, Profit and Loss accounts and Balance sheet of sole proprietary concern (without adjustment)

Financial Management: Meaning, scope and role, a brief study of functional areas of financial management. Introduction to various FM tools: Ration Analysis, Fund Flow statement and cash flow statement (without adjustments)

Costing: nature, importance and basic principles. Marginal costing: Nature scope and importance, Break even analysis, its uses and limitations, construction of break even chart, Standard costing: Nature, scope and variances (only introduction)

Computerized accounting: Meaning and advantages, Computer Programs for accounting, Balancing accounts, Trial balance and final accounts in computerized, Accounting, control, and Audit, Sub- Modules of computerized accounting systems.

## **SEMESTER – III**

### **IT-16: OBJECT ORIENTED PROGRAMMING USING JAVA**

#### **Object Oriented Methodology**

Paradigms of Programming Languages, Evolution of OO Methodology, Basic Concepts of OO Approach, Comparison of Object Oriented and Procedure Oriented Approaches, Benefits of OOPs, Introduction to Common OO Language, Applications of OOPs

Classes and Objects, Abstraction and Encapsulation, Inheritance, Method Overriding and Polymorphism.

#### **Java Language Basics**

Basic Features, Java Virtual Machine Concepts, Primitive Data Type And Variables, Java Keywords, Java Operators.

Expressions, Statements, Control Statements, Selection Statements, Iterative Statements, Jump Statements, Arrays.

#### **Class and Objects**

Class Fundamentals, Creating objects, Assigning object reference variables, Introducing Methods, Static methods, Constructors, Overloading constructors, This Keyword, Using Objects as Parameters, Argument passing, Returning objects, Method Overloading, Garbage Collection, The Finalize ( ) Method

#### **Inheritance and Polymorphism**

Inheritance Basics, Access Control, Multilevel Inheritance, Method Overriding, Abstract Classes, Polymorphism, Final Keyword

#### **Packages and Interfaces**

Package, Defining Package, CLASSPATH, Package naming, Accessibility of Packages, Using Package Members, Interfaces, Implementing Interfaces, Interface and Abstract Classes, Extends and Implements Together

#### **I/O in Java**

I/O Basics, Streams and Stream Classes, Byte Stream Class, Character Stream Classes, Predefined Streams, Reading from, and Writing to, Console, Reading and Writing Files, The Transient and Volatile Modifiers, Using Instance of Native Methods

#### **Strings and Characters**

Fundamentals of Characters and Strings, The String Class, String Operations, Data Conversion using Value of ( ) Methods, String Buffer Class and Methods

## **Exploring Java I/O**

Java I/O Classes and Interfaces, I/O Stream Class, Input and Output Stream, Input Stream and Output Stream, Hierarchy, Text Streams, Stream Tokenizer, Serialization, Buffered Stream, Print Stream, Random Access File

## **IT-14: OPERATING SYSTEM**

### **Introduction to Operating System**

What is an operating system, history of operating systems. Operating system concepts – processes, files and shells.

Operating system classification – Single user, multi user, simple batch processing, multiprogramming, multitasking, parallel systems, distributed system, real time system.

### **Process Management**

Process - Process Model, Process Hierarchies, Process States, Threads - What is thread and its use, design issues of thread.

Process Scheduling:- Basic Concepts. Preemptive and non-preemptive scheduling. Types of scheduling:- batch, interactive and real-time. Scheduling Algorithms:- First Come First Server, Shortest Job First & Round Robin Scheduling.

What is Interprocess Communication, Race conditions, Critical-Sections, Mutual exclusion. Solution to race condition: - Disabling Interrupt, Peterson's solution, Sleep & Wake Up(The Producer Consumer Problem) and Semaphores.

### **Input/Output Management & Deadlocks**

Basic principles I/O Hardware, I/O Devices, Device controllers, DMA. Principles of I/O Software, its goals, Interrupt Handlers, Device Drivers, Device Independent I/O Software(its functions)

What is Deadlock. Principles of Deadlock (Deadlock conditions & Modelling). Deadlock Detection, Recovery & Prevention. Deadlock Avoidance(Banker's algorithm).

### **Memory Management**

Monoprogramming and Multiprogramming. Swapping and its basic concepts. Virtual Memory – Basic Concepts, Paging, Page Tables. Page replacement algorithms: - Optimal, Not Recently Used, First In First Out, Least Recently Used.

## **File System**

What is file, file naming, file types(directory, regular, device), sequential access and random access files, file attributes, operations on file, hierarchical directory structure, path name(relative and absolute), operation on directories. File System Implementation Techniques.

### **System Calls**

What is System Calls. System Calls:- Process Management(fork, getpid, getppid, wait, waitpid, exit, execve), Signaling(kill, sigaction, sigreturn, pause), File & Files System Management(creat, open, close, read, write, lseek, stat, fstat, dup, rename).

## **IT-28: ADVANCED WEB TECHNOLOGIES**

### **Overview**

History of Internet, Internet services: telnet, e-mail, ftp, WWW. Equipments required for an Internet Connection, Opening an e-mail account, Reading and Writing e-mail., ftp, www

URL, Surfing the Internet., Search Engine, uploading and downloading.

### **Web Browsers:**

functions and working principle of web browsers; plug-ins & helper applications; conceptual architecture of typical web browsers (like Mozilla).

### **Introduction to Client/Server Computing:**

client-server computing basics; types of Client/Server systems; middleware; N-tiered systems: 2-tier/3-tier/4-tier systems; Fat Clients versus Fat Servers.

### **Web Servers:**

Web services and web server functionality; web server composition; registration; HTTP, IP address, DNS & ports; conceptual architecture of a typical web server (like Apache).

### **Introduction to HTML**

Hypertext Markup Language (HTML), Writing a web page in HTML, Tags, hyperlinks, URLs, tables, text formatting in web pages, Using graphics and multimedia in web pages; image maps., Use of frames and forms.

### **Introduction to JavaScript:**

Constants, variables, operators, expressions, statements. Use of user-defined and built-in functions, Client-side Form validation using JavaScript, Using properties and methods of built-in objects.

## **SEMESTER – IV**

### **IT-22: COMPUTER GRAPHICS & MULTIMEDIA**

Graphics Hardware: The Functional Characteristics Of The Systems Are Emphasized. Input Device: Keyboard Touch Panel, Light Pens, Graphic Tablets, Joysticks, Trackball, Data Glove, Digitizer, Image Scanner, Mouse, Voice Systems.

Hard Copy Devices: Impact And Non Impact Printers, Such As Line Printers, Dot Matrix Printers, Laser, Ink- Jet, Electrostatic, Flatbed And Drum Plotters. Video Display Devices: Refresh Cathode-Ray Tube, Raster Scan Display, Random Scan Displays, Color CRT-Monitors, Direct View Storage Tube, Flat Panel Displays, 3-D Viewing Devices, Raster Scan Systems, Random Scan Systems, Graphic Monitors And Workstation.

Scan Conversion Algorithm Line, Circle And Ellipse, Bresenham's Algorithm, Area Filling Techniques, Character Generation. 2-Dimensional Graphics: Cartesian And Homogenous Co-Ordinate Systems, Geometrical Transformation (Translation, Scaling, Rotation, Reflection, Shearing), Two Dimensional Viewing Transformation And Clipping (Line, Polygon And Text)

3-Dimensional Graphics: Geometrical Transformation (Translation, Scaling, Rotation, Reflection, Shearing), Mathematics And Projections (Parallel And Perspective). 3-D Viewing transformation And Clipping.

Hidden Line Surface Removal Algorithms, Z-Buffer, Scan Line, Sub Division Shading: Modeling Light Intensities: Diffuse Reflection, Refracted Light, Half toning. Surface Shading Methods: Constant Intensity Method, Gouraud Shading, Phong Shading.

Introduction to Multi-media Technology, Audio System, Image Compression, Data Compression, Digital Motion Video, Authoring tools, Multimedia Applications, Multimedia DBMS.

### **IT-23: APPLICATION SOFTWARE DEVELOPMENT**

#### **Introduction to .NET**

.NET: Introduction, Advantages, DNA Architecture, Study of .NET Framework, Languages under .NET.

#### **Introduction to VB.NET**

Basic Programming Rules, Creating a Project, Exploring & Coding a Project, Building a Project, Debugging.

Variables, Constants, Operators and Expressions and Control Statements, Arrays, Structures, Enumerators, Functions.

Class, Object, Inheritance, Events, String Handling, Exception Handling, File Handling, Multi-Threading, Memory Management Issues.

### **GUI Programming with VB.NET**

Introduction to GUI Application and Their Components. Elements of GUI Programming: Controls, Properties, Methods, Events.

Form Control: Interacting with Controls, Dialog Controls, Creating and Using MDI Applications, Creating Custom Controls.

### **Database Programming**

Connecting to Databases, Retrieving Data, Inserting Data, Updating Data etc.

## **IT-29: WEB TECHNOLOGY**

### **Review of HTML & JavaScript:**

Various HTML Tags, properties & use; Cascading Style Sheet (CSS). Creating interactive and dynamic web pages with JavaScript.

### **Markup language basics:**

Standard Generalized Markup Language (SGML)- structures, elements, Content models, DTD, attributes, entities. Extensible Markup Language (XML)- Introduction: using user-defined tags in web pages; displaying XML contents using HTML and JavaScript; XML Document Type Definitions;

Extensible Stylesheet Language (XSL) and its use to display XML contents; XSL and basic database queries; brief introduction to other markup languages: VML, MathML, VRML, RELML, HRMML, VoxML, etc.

### **Server-side scripting:**

Overview of CGI, ASP, and JSP. Server side scripting using PHP- constants, variables, operators, expressions & statements; user-defined & built-in functions; form processing scripts; using properties and methods of built-in objects. Web database connectivity- introduction to ODBC; PHP with database connectivity.

**Advanced web technologies:**

brief introduction to COM, DCOM, CORBA, ISAPI, SOAP, UDDI, WSDL, .NET, etc.  
Introduction to AJAX and its implementations.

**Web Security:**

Firewalls- definition and uses, network layer firewalls and application layer firewalls; Proxy servers.

**IT 29: E – Commerce****Electronic commerce fundamentals:**

History and basic idea of EDI and electronic messaging, definition of e-commerce; administration, business, and consumer models of e-commerce; e-commerce enablers- cost reduction, trust issues, products, processes, and markets.

**E-commerce Internet applications:** overview of e-commerce standardization activities and standards

**Electronic payment systems:** digital cash- Ecash, ECheque, Credit card based payment systems, Micropayments and Macropayments.

**Social impacts of e-commerce:** changes in administration & business; electronic shopping; electronic forms; global e-commerce and future trends.

**IT-30: PROJECT**



**ACADEMIC CALENDAR**  
**Gauhati University Institute of Distance and Open Learning**  
**Guwahati- 781014, Assam**

<b>ADMISSION</b>			
<b>SEMESTER (TRADITIONAL PROGRAMME)</b>			
A	1	Fresh	July-September
	2	Continuation	July-September
<b>SEMESTER (IT PROGRAMMES)</b>			
B	1	Fresh	July-September
	2	Continuation	Odd Semester (July-September)
			Even Semester (January-February)
<b>ADMISSION TEST FOR M.Sc. IT PROGRAMME</b>			
C	August		
<b>ANNUAL PROGRAMMES</b>			
D	1	Fresh	July-September
	2	Continuation	July-September
<b>DISTRIBUTION OF SLM</b>			
<b>SEMESTER/ANNUAL (TRADITIONAL PROGRAMMES)</b>			
A	1	Fresh	July-October
	2	Continuation	July-October
<b>SEMESTER (IT PROGRAMMES)</b>			
B	1	Odd Semester	July-October
	2	Even Semester	Jan-March
<b>CONTACT CLASSES</b>			
<b>SEMESTER (TRADITIONAL PROGRAMMES)</b>			
A	1	Odd Semester	September-December
	2	Even Semester	March-June
<b>SEMESTER (IT PROGRAMMES)</b>			
B	1	Odd Semester	September-December
	2	Even Semester	March-June
<b>ANNUAL PROGRAMME</b>			
C	1	Previous	December-May
	2	Final	December-May
<b>EXAMINATION : TERM END</b>			
<b>SEMESTER (TRADITIONAL/IT)</b>			
A	1	Previous	July-August (All Sundays)
	2	Final	July-August (All Sundays)
<b>ANNUAL</b>			
August-September (All Sundays)			
B	<i>Schedule may change as per directive of the controller of Examination, GU/Govt. of Assam</i>		

<b>EXAMINATION: Sessional (OMR based Internal Examination)</b>			
A	<b>SEMESTER (TRADITIOAN/IT)</b>		
	1	Odd Semester	November
	2	Even Semester	May
<b>ANNUAL</b>			
January			
<b>DECLARATION OF RESULT (Term End)</b>			
<b>SEMESTER (TRADITIONAL/IT)</b>			
A	1	Odd Semester	May-June
	2	Even Semester	November-December
B	<b>ANNUAL</b>		
	Januray		

**ENCLOSURE-III**  
**SLM covering syllabus**

Sl No.	Semester	Course No.	Course Name
1	I	IT 01	Fundamentals of Computers
2		IT 02	Introduction to Programming
3		IT 03	Digital Logic
4		IT 05	Communication Skills & Technical Writing
5		IT 11	Mathematical Foundations of Computer Science
6	II	IT 07	Database Management System
7		IT 12	Data Structure and Algorithm
8		IT 13	Computer Organization & Architecture
9		IT 27	Web Technologies
10		IT 10	Management and Accounting
11	III	IT 14	Operating System
12		IT 17	Data Communication & Computer Network
13		IT 16	Objected Oriented Programming using JAVA
14		IT 21	Software Engineering
15		IT 28	Advanced Web Technology
16	IV	IT 22	Computer Graphics & Multimedia
17		IT 23	Application Software Development
18		IT 29	E Commerce

**GAUHATI UNIVERSITY  
INSTITUTE OF DISTANCE AND OPEN LEARNING**

**Programme Project Report**

PPR ID : GU/GUIDOL/PPR/03 (Total no. pages : ২৪ )

Programme: Masters of Arts in Economics and Master of Science in  
Economics

**1. Programme mission and objective:**

The mission of the Programme to be launched is "to cater to the need of higher education in economics and to widen the periphery of education in economics."

***Objectives of the Programme:***

- to promote higher education and research in the field of Economics in particular and Social Science in general,
- to enhance and develop their knowledge and understanding of the theoretical and practical foundations of Economics as a subject,
- to nurture the finest talents in Economics and capacitate them with high level of professional competence,
- to utilize the pool of human resource in the department in relevant fields outside the department through extension and consultancy service,
- to exhibit disciplinary knowledge and behavior essential for business leadership.
- to think critically to aid decision-making.
- to generate competent and well-educated man-power for the teaching profession as well as manning positions of research associates in public/private sector academic institutions.

**2. Relevance of the programme with HEI's mission and goals:**

Gauhati University was established in 1948 with a mission to revitalize educational leadership, to set the standard for the creation and dissemination of knowledge as well as to become an effective instrument of change in the society. With this aim in view, the Department of Economics was established in 1948 and has set up, over the years, a close association with formal and informal organizations and various successful and enduring



entrepreneurs which gives opportunity to the students to acquire access to practical knowledge and ideas.

Keeping in view the motto of “*Quality Higher Education For All*”, Masters of Arts in Economics and Master of Science in Economics is/shall be offered through ODL mode is very much relevant to the HEI’s mission and goals as it aims to provide quality higher education in the field of Economics to those aspiring candidates who are deprived of higher education due to the limited number of intake in the conventional mode of education in the Universities. Moreover, to keep the quality intact the curriculum and syllabus is designed at par with the conventional mode keeping in mind the specific needs and acceptability of the learners in the ODL mode and in keeping with the aims and objectives of the parent department.

**3. Nature and target group of learners:** Our target group includes-

- those deprived of admission in the parent Department of regular mode due to limited intake capacity,
- those employed in various organizations who desire to pursue higher education as a passion or as a means for movement up the promotional ladder,
- drop outs primarily due to social , financial and economic compulsions as well as demographic factors,
- job seekers.

Gauhati University also has a provision in the ODL mode for lateral entry for those who had to discontinue the regular programme after successful completion of the first two semesters due to unavoidable reasons. Acceptability of the lateral entry provision is an indicator of parity of the courses in regular and ODL mode. The curriculum is designed to enable learners to fulfill their aims and objectives in a manner they deem fit and proper. The curriculum is designed by a committee comprising of experts from the Department of the HEI, external experts and teachers of Gauhati University Institute of Distance and Open Learning (GUIDOL), keeping in view the needs of the diverse groups of learners.

4. **Appropriateness of the programme to be conducted in the ODL mode for acquiring specific skills and competence-** The programmes is/shall be offered through ODL mode will have certain learning outcomes. The programmes will help the learners:

- *to create the knowledge of basic and advance concept of economics, socio-economic effect in the society due to the changing nature of world economy,*
- *to enhance and develop their knowledge and understanding of the theoretical and practical foundations of Economics as a subject in particular,*
- *to build knowledge of the different analytical concepts using mathematical, statistical and financial models in the field of Economics in broad,*
- *to commit to action that demonstrates care for others,*

The learners will also be acquainted with various generic skills and competencies for Team Work, Time Management, Commercial Awareness and Critical thinking.

5. **Instructional Design:**

- a) **Curriculum Design:** The curriculum is designed by a committee comprising experts from the parent department of the University and GUIDOL, keeping in view the needs of the diverse groups of learners.
- b) **Detailed Syllabus:** Enclosed in Enclosure No. I
- c) **Duration of the Program:** Minimum 2 (two) years. However, the learners are required to complete the programme within 4 (four) years from the date of admission.
- d) **Instructional Delivery Mechanism:** The programme will be delivered in 4 (four) semesters having 4(four) course/paper in each semesters and also with the opportunity to choose optional courses offered. The learners will be provided with the printed SLM which covers almost all the contents in the syllabus. Counseling class will be held in headquarter and various affiliated study centres. Telephonic Counseling and providing online learning resource will also be a part of instructional Delivery mechanism. The progress of the learners will be evaluated by Internal Assessment and Term end/semester end exam.

e) **Faculty:**

1. Dr. Ratul Mahanta, Assistant Professor, Department of Economics, Gauhati University nominated as Coordinator of the ODL programmes in Economics
2. Assistant Professor in Economics, GUIDOL has since resigned and the post has been advertised and shall be recruited soon.
3. Resource persons drawn from amongst teachers of affiliated colleges and faculties of the Department of HEI.

f) **Media:** Print Media, ICT enabled content and e-Learning tools

g) **Student Support Services:** In order to successfully execute the programme, a wide range of support services are provided to the ODL learners. The various support services are listed as below-

i) **Network of Study Centres:** To assist its learners of the ODL mode the University has established 96 study centres throughout the State of Assam but within the territorial jurisdiction of Gauhati University.

ii) **State of the art Library** with around 7 thousand collections of materials which includes books, journals, magazines, CD and DVDs.

iii) **E- Learning Portal:** [www.bodhidroom.guidol.in](http://www.bodhidroom.guidol.in) the first of its kind in the entire North east region of India, which provides the following services to the students:

- Online enrolment of students
- Independent Discussion Forum for every course
- Independent News Forum for every course
- Online interaction facility with faculty members
- Online interaction between the students making the scope of collaborative learning
- Interaction through chatting of all users of all courses who are online.
- Separate Chat Room for individual course
- **Message My Teacher:** When a student logged on to Bodhidroom, after enrolling himself/herself to a course, he/she will see the names of the virtual class teachers. Student can directly send offline messages to the teachers. When the teacher is logged on, he will receive an alert of incoming messages. Then he can reply to the message.
- Online Study Material
- Old Examination Question Papers

- iv) **Dynamic Website [www.idolgu.in](http://www.idolgu.in)** : Gauhati University has a dedicated dynamic website for ODL learners where one can get all the information regarding its programmes, upcoming events, examination results etc.
- v) **Computerised admission process with provision of online admissions**: The whole system of admissions and examinations are managed using professional software which gives instant online access to learners through [www.idolgu.in](http://www.idolgu.in).
- vi) **Flexible Walk in Group Counselling (FWGC)**: Regular group and individual counselling will be held in the GUIDOL (headquarter) complex as well as in the parent department during all working days. Learners may walk-in to the designated GUIDOL counselling room and meet their teachers to clarify their doubts.
- vii) **PERSONAL CONTACT PROGRAMME(PCP)** :In addition to the Study Materials, useful Personal Contact Programmes will be held at various affiliated study centres, which will enable the students to clarify their confusions and ease their difficulty while going through it. Qualified faculty members of affiliated study centres will help out the attending students by providing necessary tips and Guidelines during the interactive sessions. These sessions are also meant to give the students a chance to meet the teachers personally and discuss their problems.
- viii) **Community FM Radio**: Gauhati University has its own Community radio station named as “Radio Luit 90.8 FM” and operates daily from 8AM to 8PM. The Community Radio station shall be extensively used to broadcasts radio talks on various courses daily. The broadcast contents are designed as per the requirements by teaching staff of both the ODL Institute as well as the parent department. Experts are outsourced if the need arises.

## **6. Procedure for Admissions, Curriculum transaction and Evaluation-**

**Admission-** The admission process starts from August and ends by the end of September every year. The learner can go for either offline or online admission process. The minimum eligibility for MA & M.Sc. programme in Economics is any graduate from any recognized Indian or Foreign university. The proposed fees for admission is Rs 7000.00 (Seven Thousand only) per year. Financial Assistance is provided to the candidates belonging to the SC/ST and OBC categories in the form of scholarship. Few learners belonging to the economically deprived section as well as the physically challenged category are provided free ship on the recommendation of the Vice Chancellor.



### **Curriculum transaction- Activity Planner:**

**Evaluation-** Each course/paper shall carry 80% weightage for the term-end examinations and 20% for internal evaluation in the form of Home Assignments/internal examinations. In order to pass/clear a course/paper in a subject, a candidate must secure minimum 35% Marks in each course/paper. All examinations are conducted by the Controller of Examinations as per Examination Rules and Regulations of the Gauhati University.

7. **Library Resource:** The University has a State of the Art Central Library with rich collections of materials which includes books, journals, magazines, CD and DVDs, and is accessible to the ODL learners as well. Moreover, the Institute has its own Library where various books, journals and magazines are available.

Gauhati University being a member of UGC-Infonet Digital Library Consortium (<http://www.inflibnet.ac.in/econ/index.php>) which provides current as well as archival access to more than 5000 core and peer-reviewed journals and nine bibliographic databases from 23 publishers and aggregators in different disciplines. The ODL learners can access the e-resources of UGC-Infonet Digital Library Consortium from the Gauhati University campus.

8. **Estimated cost of the Programme:** total estimated cost of the programme is approximately Rs. 45 Lakhs which includes preparation and printing of SLMs, remuneration of the Resource persons, establishment cost and overheads. The estimate is evaluated considering the unit expenses of Rs.2.5 Lakhs per paper /1000 students for the entire duration of two years.

9. **Quality assurance Mechanism and Expected Programme outcome:** The institute has a *Centre for Internal Quality Assurance (CIQA)* constituted by the statutory body of the HEI. Members of the Cell are drawn from among the Deans of the different Faculty, Heads of the respective departments, Executive Council members, administrative staff and teaching staff of the institute. The Internal Quality Assurance Cell shall review the relevance and standard of the programme from time to time and make necessary changes in the syllabus and contents of the programme. The HEI shall continuously monitor the effectiveness of the program through *CIQA* and other statutory bodies.

Course Benchmark Statement: Please refer to para 4 above. Further, learners will be equipped for professional competence and employability.

**Detailed Syllabus of MA/MSc in Economics Programme (ODL mode of Gauhati University)**

A student shall do a total number of sixteen papers in the four Semesters. Each paper will carry 100 marks - 20 marks for internal evaluation during the semester and 80 marks for external evaluation through end semester examination. All the papers in the First, Second and Third Semesters will be compulsory. The paper XIII and XIV of the Fourth Semester will also be compulsory. The remaining two papers for the Fourth Semesters will be chosen by a student from the optional papers. The names and numbers assigned to the papers are as follows.

<b>First Semester</b>	
I	Microeconomics Theory
II	Macroeconomics Theory - I
III	Mathematical Methods for Economic Analysis-I
IV	Statistical Methods for Economic Analysis
<b>Second Semester</b>	
V	Advanced Microeconomics
VI	Macroeconomic Theory -II
VII	Mathematical Methods for Economic Analysis-II
VIII	Elementary Econometrics
<b>Third Semester</b>	
IX	Development Economics-I
X	International Economics
XI	Issues in Indian Economy
XII	Public Finance-I
<b>Fourth Semester</b>	
XIII	Development Economics-II
XIV	Public Finance-II
Papers XV and XVI are optional. A student has to choose any two of the following courses.	
(a)	Population and Human Resource Development
(b)	Econometric Methods
(c)	Environmental Economics
(d)	Financial System

## Detailed Contents of the Papers Syllabus

### **Paper-I: MICROECONOMICS THEORY**

#### **Unit –1: Theory of production and Cost**

Production function and related concepts – Isoquants and Substitution between Factors – Elasticity of Substitution – Returns to Scale and Returns to a Factor – Technical Progress and Production Function – Forms of Production Function; Cobb-Douglas, CES and Fixed coefficient Type – Single Decision of a Firm; Choice of Optimal Factor Combination – Expansion Path – Derivation of Cost Function from Production Function – Multi-product Firm: production Efficiency Locus, Production Possibility Frontier and Choice of Optimal Combination of Output of Products.

#### **Unit – 2: Market Structure and Pricing of Products**

A Review of Perfect Competition Equilibrium – Monopoly and its Regulation – Monopolistic Competition: Price-Output Equilibrium – Duopoly Models of Cournot, Bertrand and Stackelberg – Kinked Demand Curve Model of Oligopoly – Collusive Oligopoly: Price Leadership Models.

#### **Unit – 3: Theory of Distribution and Pricing of Factors**

Pricing of Factors under Perfect Competition – Factor Share and Technical Progress – Backward Bending Supply Curve of Labour – Monopsony

#### **Unit – 4: Basic Financial Accounting**

Various terms used in Accounting – Account, Assets, Liabilities, Capital / Equity, Profit, Loss, Revenue income, Capital income, Revenue expenditure, Capital expenditure - Profit and Loss Account - Balance Sheet - Cash Flow Statement

#### **Recommended Readings:**

1. Koutsoyianis, A., “Modern Microeconomics”, Macmillan.
2. Baumol, W.J., “Economic Theory and Operations Research”, Prentice Hall of India.
3. Madalla and Miller, “Microeconomics”, McGraw Hill.
4. Pindyck, R. & Rubinfeld, D.L., “ Microeconomics”, Prentice Hall of India.
5. Mukherjee, S., “Business and Managerial Economics”, New Central Book Agency.
6. Salvatore. D., “Micro Economics”, Schaums Series.
7. Juneja and Chawla, “Book Keeping and Accountancy.”
8. B. B. Dam and H.C. Gautam, “Financial Accounting”

## **Paper – II: MACROECONOMIC THEORY - I**

### **Unit – 1: National Income Accounting**

Different forms of National Income Accounting; Social Accounting, Input-Output Accounting, Flow of Fund Accounting and Balance of Payment Accounting

### **Unit – 2: Theories of Income and Employment Determination**

A Review of the Classical and Keynes's Models – Income Determination Model including Money and Interest; IS-LM Analysis– Real Balance Effect and Patinkin's Full Employment Equilibrium; Patinkin's Concept of Underemployment Disequilibrium

### **Unit 3: Consumption Function**

The Consumption Function Puzzle – The Relative Income Hypothesis – The Permanent Income Hypothesis –The Life Cycle Hypothesis

### **Unit 4: Investment Function**

Marginal efficiency of Investment and level of Investment - The Accelerator and Investment behavior - Impact of inflation - Influence of policy measures on Investment.

### **Recommended Readings:**

1. Jha, R., "Macroeconomics: Theory and Policy"
2. Branson, W.H., "Macroeconomics: Theory and Policy"
3. Agarwala, S.K., "National Income Accounting"
4. Schultz, W., "National Income Analysis"
5. Brooman, F. S., "Macroeconomics".
6. Michl, "Macro Economic Theory –A Short Course", Prentice Hall of India
7. Harris, I., "Monetary Theory"
8. Gupta, S. B., "Monetary Economics"
9. Paul & Taylor, "Macro Economics".

## **Paper – III: MATHEMATICAL METHODS FOR ECONOMIC ANALYSIS-I**

### **Unit –1: Matrix Algebra and its Application**

Matrix Algebra-type of matrices-matrix operations-matrix inversion and solution of simultaneous equations-Cramer's rule -Rank of a matrix-trace of a matrix-application to partial equilibrium market model, national income model, external sector model-static and dynamic open input-output models.

### **Unit-2: Differentiation**

Basic rules of differentiation-rules of differentiations involving more than one functions of the same variable-Rules of differentiation involving functions of different variables-higher order derivatives-applications relating to derivation of elasticity, revenue function, cost function, tax yield in competitive market, tax yield and income multiplier, derivations of other marginal functions.

### **Unit-3: Partial and total differentiation**

Rules of partial and total differentiations-derivative of implicit function-application to comparative static analysis of market model, national income model and input-output model-determination of partial elastic ties of demand-problems relating to indifference curve, isoquant, production function and Euler's theorem.

### **Unit-4:Unconstrained Optimization**

Unconstrained maxima and minima with a single explanatory variable – applications to cost minimization, revenue maximization, tax revenue maximization, profit maximization and equilibrium of firm, Unconstrained maxima and minima with more than one explanatory variables – applications to discriminatory monopoly, Multiproduct equilibrium, Multiplan equilibrium, equilibrium of firm with advertisement cost and subsidy.

### **Unit – 5: Integration**

Applications relating to derivation of total functions from marginal functions, estimation of consumer's surplus, producer's surplus,

#### **Recommended Readings:**

1. A.C. Chiang, "Fundamental Methods of Mathematical Economics", McGraw Hill.
2. S. Baruah, "Basic Mathematics and its Economics Applications", MacMillan.
3. J.M.Henderson and R.E.Quandt, "Micro-economic Theory – A Mathematical Treatment."
4. R.G.D. Allen, "Mathematical Analysis for Economists."
5. Mouhammed, "Introduction into Mathematical Economics", Prentice Hall of India.
6. M. Metwally, "Mathematical Treatment of Micro-Economics."

## **Paper – IV: STATISTICAL METHODS FOR ECONOMIC ANALYSIS**

### **Unit – 1: Probability Theory**

Axiomatic Definition and derivation of Basic Probability Rules – Conditional Probability, Baye’s Theorem (Concept only) – Random variable – Mathematical Expectation and Moments relating to both Discrete and Continuous random variables.

### **Unit2: Standard Probability Distribution**

Binomial, Poisson and Normal – Moment Generating Function (Definition only) – The Central Limit Theory (without Proof).

### **Unit – 3: Income Distribution**

Pareto’s Law of Income Distribution – Log-normal Distribution – Lorenz Curve and Ginni Coefficient

### **Unit – 4: Index Number**

Relation Between Laspayre’s and Paasche’s Index Numbers – Time Reversal, Factor Reversal, Circular test of Index Number - Fisher’s Index Number – Chain Base Index Number – Base Shifting, Splicing and Deflating – Indices of Industrial Production.

### **Recommended Readings:**

1. Yamane, Taro, “Statistics – An Introductory Analysis”.
2. Hooda, P.R., “Statistics for Business and Economics”, Macmillan.
3. Gupta, S.C. and Kapoor, U.K., “Fundamentals of Mathematical Statistics”
4. Nagar, A.L. and Das, R.K., “Basic Statistics”, Oxford.
5. Agarwala, B.L., “Basic Statistics”, New Age International.
6. Salvatore, Dominick and Reagle, Darrick, “Statistics and Econometrics”, TMH
7. Klein, L.R., “An Introduction to Econometrics”
8. Goon Gupta, Das Gupta, “Fundamental of Statistics, Vol. II”

## **Paper – V: ADVANCED MICROECONOMICS**

### **Unit – 1: Analysis of Consumer’s Choice**

A Review of Indifference Curve and Revealed Preference Approach – Violation of the Premises of Indifference curve Approach: Satiation and Lexicographical Ordering.

### **Unit – 2: Inter-temporal Choice & Choice under Uncertainty**

Discounting and Present Value – Inter-temporal Consumption Decision – Inter-temporal Production Decision – Evaluation of Investment Projects – Determination of the Rate of Interest; Attitude Towards Risk – Expected Utility – Measures of Risk Aversion – Certainty Equivalence and the Cost of Risk – Economics of Insurance. – Asymmetric Information and Adverse Selection – Moral Hazard

### **Unit –3: General Equilibrium**

Partial Versus General Equilibrium Approaches – Meaning of General Equilibrium – Walrasian General Equilibrium System: Tatonnement; Existence, Stability and Uniqueness of the Equilibrium – Introductions to the Contributions of Arrow and Debreu – Critique of General Equilibrium Theory – Non-tatonnement Process.

### **Unit – 4: Welfare Economics**

Pareto Optimality – The Fundamental Theorems of Welfare Economics – Market Failure: Externality and Public Good – Welfare Effects of Non-price Allocations and Price Control – Problem of Welfare Maximization: Compensation Principle, Social Welfare Function – Social Choice: Contributions of Arrow and Sen.

### **Recommended Readings:**

1. Layard and Walters, “Microeconomic Theory”,
2. Gravelle and Rees, “Microeconomics”, Longman.
3. Baumol, W.J., “Economic Theory and Operations Research”, Prentice Hall.
4. Ryan and Pearce, “Price Theory,” Macmillan.
5. Madalla and Miller, “Microeconomics,” Tata McGraw Hill.
6. Varian, Hall, “Intermediate Microeconomics.”
7. Henderson and Quandt, “Microeconomic Theory”
8. Sen, A., “On Economic Inequality”
9. Hands, D.W., “Introductory Mathematical Economics”, Oxford.

## **Paper – VI: MACROECONOMIC THEORY - II**

### **Unit – 1: Demand for Money & Supply of Money**

The Demand Money – The Classical Approach - The Keynesian Approach – Friedman’s Contribution – The Approaches of Baumol and Tobin: Inventory Theoretic Approach – The Portfolio Balance Approach.

### **Unit 2: Theory of Inflation and Economic Stabilization**

Classical, Keynesian and Monetarist approaches to inflation; Philips Curve Analysis – Short run and Long run Philips curve– the natural rate of unemployment hypothesis; Adaptive Expectations - Rational Expectations – The New Classical Approach and its Policy Implications – Empirical Evidence.

### **Unit –3: International Payments**

Exchange Rate-Balance of Payments-relationship between the current account and the capital and financial account- Disequilibrium in International Payment, Adjustment Mechanisms under various Exchange Rate Regimes, Devaluation and Exchange Control - The Monetarist Approach to the Balance of Payments.

### **Unit – 4: Business Cycles**

Theories of Kaldor, Samuelson and Hicks - Control of Business Cycles – Relative efficacy of Monetary and Fiscal policies

### **Recommended Readings:**

1. Brooman, F. S., “Macroeconomics”
2. Branson, W.H., “Macroeconomics: Theory and Policy”
3. Harris, I., “Monetary Theory”
4. Gupta, S. B., “Monetary Economics”
5. Patinkin, D., “Money, Interest and Prices”
6. Jha, R., ”Macroeconomics: Theory and Policy”
7. Dornbursch, R. and Fisher, S., “Macroeconomics”
8. Soderstein, B., “International Economics”, Tata McGraw Hill.
9. Paul and Taylor, “Macro Economics”



## **Paper – VII: MATHEMATICAL METHODS FOR ECONOMIC ANALYSIS-II**

### **Unit – 1: Optimization with Equality Constraint**

Optimization with equality constraints, Lagrange's multiplier method – application to consumer's equilibrium and producer's equilibrium in factor market

### **Unit – 2: Calculus for Dynamic Analysis**

First order differential equation and its solutions – application to dynamic stability of market and simple growth process (Harrod-Domar), First order difference equation and its solution- application of difference equation – lagged market model (Cobweb) and Harrod's model of growth.

### **Unit – 3: Optimization with inequality constraint**

Liner programming, General formulation Transportation problem, diet problem and production problem – Simplex method of solution (two variables, two constraints only) – Concept of duality

### **Unit – 4: Game Theory**

Two-person Zero sum game – pure strategies with saddle point, games without saddle point – the rules of dominance – solution of games without saddle point – mixed strategies, Basic ideas and examples of non zero sum games – Nash equilibrium, Prisoner's dilemma and Repeated games.

#### **Recommended Readings:**

1. A.C. Chiang, "Fundamental Methods of Mathematical Economics", McGraw Hill.
2. S. Baruah, "Basic Mathematics and its Economics Applications", MacMillan.
3. J.M.Henderson and R.E.Quandt, "Micro-economic Theory – A Mathematical Treatment."
4. R.G.D. Allen, "Mathematical Analysis for Economists."
5. Taro Yamane, "Mathematics for Economists."
6. E.T. Dowling. "Theory and Problems of Mathematical Methods for Business and Economics", McGraw Hill.
7. Mouhammed, "Introduction into Mathematical Economics", Prentice Hall of India
8. R.Hadley, "Linear Algebra."
9. M. Metwally, "Mathematical Treatment of Micro-Economics."

## **Paper –VIII: ELEMENTS OF ECONOMETRICS**

### **Unit – 1: Sampling and Estimation**

Concept of Sampling Distribution and Standard Error of a Statistic – Methods of Estimation – Principles of Moments, Least Square and Maximum Likelihood (Concept only) – Characteristics of a Good Estimator

### **Unit –2: Statistical Inference**

Testing of Hypothesis: Type I and Type II Errors, One-tailed and Two-tailed Tests – Test based on Standard Normal, t and Chi-Square Distributions.

### **Unit – 3: Linear Regression Model and Its Estimation**

The Two Variable Model and its OLS Estimation – The General Linear Regression Model – Standard Assumptions – OLS Estimators and their Properties – The Coefficient of Determination – Maximum Likelihood Methods, Estimation and Properties.

### **Unit – 4: Inference from Linear Regression Estimation**

Test of Hypothesis about Regression Coefficients and their Confidence Interval – Prediction with the Linear Regression Model

### **Unit – 5: Further Topics in Linear Regression Model**

Multicollinearity: Effects, Detection and Remedies – Specification Errors and their Consequences – Qualitative Factors and Dummy Variables – Introductions to Heteroscedasticity and Autocorrelation of Disturbances (Ideas only).

### **Recommended Readings:**

1. Johnston, J. “Econometric Methods”, McGraw Hill.
2. Gujarathi, D., “Basic Econometrics”, McGraw Hill.
3. Salvatore, Dominick and Reagle, Darrick, “Statistics and Econometrics”, Tata Mc Graw Hill

## **Paper – IX: DEVELOPMENT ECONOMICS – I**

### **Unit – 1: Development and Underdevelopment-An Overview**

Problems in Defining Economic Development — Per Capita Income as an Index of Development – Alternative Measures of Development Gap: HDI, GDI (including new concepts) and related indices. Poverty: Concepts and Measurement - Income Inequality and Growth – Redistribution with Growth

### **Unit-2: Theories of Economic Growth**

Classical Approach-Adam Smith and Ricardo – The Theory of Marx.- Schumpeter’s Analysis, Harrod-Domar Model: Instability of Equilibrium – Solow’s Neoclassical Model and Steady State Growth – Role of Technical Progress – Convergence – Role of Human Capital – Endogenous Growth – Alternative Growth Model: Joan Robinson and Kaldor

### **Unit – 3: Theories of Development**

The Vicious Circle Theory –The Process of Cumulative Causation: Myrdal – Neo-Colonial Dependence Model. The Stages of Growth: Rostow – Big Push: Rosenstein – Rodan – Balanced Growth: Nurkse – Unbalanced Growth: Hirschman – Critical Minimum Efforts: Leibenstein.

### **Unit – 4: Development from Dual Economic Structure**

Unlimited Supply of Labour and The Dual Economy Models of Lewis and Fei-Renis – The Harris–Todaro Model.

### **Recommended Readings:**

1. Meier, G.M., “Leading Issues in Economic Development”, OUP.
1. Todaro, M.P., “Development Economics”, Pearson.
2. Thirlwal, A. P. “Growth and Development” Palgrave
3. Roy, D., “Development Economics”, OUP.
4. Basu, K., “Analytical Development Economics: A Critique of Contemporary Theory”, OUP.
5. Sen, A. (Ed.), “Growth Economics”, Penguin.
6. UNDP, “Human Development Reports”, OUP.
7. World Bank, “World Development Reports”, OUP.
8. Barro & Sala-i-Martin, “Economic Growth”, Prentice Hall of India.

## **Paper – X: INTERNATIONAL ECONOMICS**

### **Unit 1: International Trade Theories**

The main propositions of Heckscher-Ohlin Model – Rybczynski Theorem - Heckscher-Ohlin Theorem – Stolper-Samuelson Theorem – Factor Price Equalization Theorem  
Alternative Trade Theories: Vent for Surplus – Availability – Increasing Returns to Scale – Monopolistic Competition and International Trade – Imitation Gap and Product Cycle Theories of Trade

### **Unit 2: Economic Growth and International Trade**

Effects of Growth on Trade – Growth, Trade and National Income – Trade and Technical Progress – Terms of Trade Effects – Prebisch-Singer Thesis

### **Unit 3: Trade and Policy Prescriptions**

Types of Tariff – Partial Equilibrium Analysis of Tariff – General Equilibrium Analysis (Small Country Case) – Tariff and World Welfare – Tariff and Income Distribution – Effective Protection – Economic and Non-economic Arguments for Protection  
Instruments of Commercial Policy: Export Tax and Subsidy – Quantitative Restrictions – International Cartels – Dumping – Other Non Tariff Barriers  
Preferential Trading Club - Free Trade Area – Customs Union – Common Market – Economic Union – Trade Creation and Diversion - Dynamic Effects of Customs

### **Unit 4: International Monetary Order**

Portfolio and Direct Investment – Theory of Direct Investment – Effects on Host and Investing Countries – Direct Investment and Exploitation, International Monetary System and Characteristics of a Good IMS – the Gold Standard – Inter-War Period – The Britton Woods System – Present System of Managed Flexibility Union – Optimum Currency Area – European Monetary System

### **Recommended Readings:**

1. Chacholiades, M., “International Trade: Theory and Policy”, McGraw Hill.
2. Kindleberger, Ridge, “International Economics”, Irwin.
3. Soderston, B., “International Economics”, Tat McGraw Hill
4. Lipsey, R.G., “The Theory of Custom Union”, Windfield.
5. Caves, R.F. and Jones, “World Trade and Payment”, Little Brown Co.
6. Meade, J.F., “Theory of International Economic Policy”, OUP.
7. Roy, P.N., “International Trade: Theory and Policy”
8. Jain, Peyrand and Yadav, “International Financial Management”.
9. M.M. Conden, “Economics of Protection.”

## **Paper – XI: ISSUES IN INDIAN ECONOMY**

### **Unit – 1: National Income, Unemployment and Poverty**

National Income: Trends in Growth and Structure – Unemployment: Recent Trends and Estimates, Employment Policy under Different Plans, New Economic Policy and Employment Prospect – Poverty Analysis

### **Unit – 2: Industrial Policy and Controls**

The Industrial Environment at Independence – Industrial Policy of 1956 – Performance of Industrial Licensing System – Economic Reforms and New Industrial Policy Industry – Indian Industry in the Contemporary context.

### **Unit – 3: Indian Agriculture**

Agriculture Performance: Growth and Productivity – Agriculture Policy: Institutional Reforms, Credit Reforms, Agrarian Reforms – Agricultural Technology, Resources and Investment - Economic Reforms and their impact on Agriculture: Emerging Perspective.

### **Unit – 4: India's Economic Reforms**

Rationale for Economic Reforms – History of Economic Reforms – Current Phases of Reforms – Public Sector Enterprises – Privatisation and Competition – Financial Sector Reforms – Planning in the Context of Liberalisation - Economic Liberalisation and Regional Planning in India.

### **Unit – 5: India in the Context of Emerging Global Economy**

The Nature of Global Economy – Development in the World Economy – India's Economic Reforms in the Global Context – Foreign Trade Policy – Convertibility of Rupee – Impact of WTO on Indian Economy – Foreign Investment and Multinational Corporations.

### **Recommended Readings:**

1. Bardhan, P., "The Political Economy of Development of India", OUP.
2. Brahmananda, P.R. and Panchamukhi, V.R., "The Development Process of Indian Economy", Himalaya.
3. Jalan, Bimal (Ed), "The Indian Economy – Problems and Prospects", Viking.
4. Kapila, Uma (Ed), "India's Economic Reforms", Academic Foundation.
5. Hazari, R.K., "Industrial Planning and Licensing Policy", Final Report.
6. Sen, A. and Dreeze, J., "Economic Development and Social Opportunities", OUP.
7. Wadhwa, C. (Ed), "Some Problems of India's Economic Policy", Tata McGraw Hill.
8. Fouseca, A.J. (Ed), "Challenge of Poverty in India", Vikas.
9. Rao, V.K.R.V., "India's National Income, 1950-1980", Sage.
10. Byres, T.J. (Ed), "The State, Development Planning and Liberalisation in India".

## PAPER-XII: PUBLIC FINANCE-I

### **Unit-1 The State and its role in the Economy**

The role of the government in the economy -*allocation, distribution, and stabilization functions*.  
Criteria for policy evaluation – *equity, economic efficiency, paternalism and individual freedom and their tradeoff*

### **Unit-2: The Provision of Public Goods**

The nature of Public goods, Public Goods and market failure, The efficient provision of public goods

Basic concepts- *The Theory of Clubs, Tiebout Hypothesis, Voluntary Bargaining in Small Groups (Coase's analysis)*

Public goods - *externalities, corrective policies, and viability of government intervention*

Public Choice: *Majority Rule and the Median Voter, Logrolling,*

### **Unit-3: Public Expenditure**

Theories of Public Expenditure- *Lindahl's Model of Voluntary Exchange, Samuelson's Benefit Theory of Public Expenditure, Musgrave's Optimum Budget Theory*

Public Expenditures on, non-marketed goods, fixed-quantity subsidy for marketed goods, and excise subsidy - their impact on allocation and distribution

Evaluation of public expenditure- *cost-benefit analysis*.

### **Unit-4: Public Revenue**

Concepts- *Tax Ratio, Buoyancy, and Elasticity of taxation, Rate schedules of taxation, Tax Credit, Exemption and Deduction, Excess burden of tax, and Taxable Capacity*.

Principles of Taxation: The Benefit Principle. The Ability to Pay Principle- *Concepts of equal sacrifice, ability to pay and tax rate schedules, the Maximum- Welfare Principle of Budget Determination*.

The Neo-classical Theory of Tax Incidence and Shifting, price-output effect of shifting under different cost conditions and market situations. Musgrave's Budget Incidence Theory.

Capitalization of tax

Value Added Tax.

### **Recommended Readings:**

1. Cullis, John & Jones, Philip, "Public Finance and Public Choice", McGraw Hill.
2. Browning, E.K. & Browning, J.M., "Public Finance and the Price System", Pearson.
3. Musgrave & Musgrave., "Public Finance in Theory and Practice".
4. Current Report of the Finance Commission, India.
5. Buchanan, J.M., "The Public Finance", Richard D. Irwin.
6. Pigou, T.F. and L.G. Sgontz., "An Introduction to Public Finance", Houghton.

## **Paper – XIII: DEVELOPMENT ECONOMICS–II**

### **Unit –1: Components in the Development Process**

Agriculture's Contribution to Development – Agriculture-Industry Interactions – The Role of Land Reforms and Price Policy in Agricultural Transformation- Industrialization: Export Promotion versus Import Substitution Strategies – The Choice of Techniques.

### **Unit – 2: Development Planning**

The Concept and Types of Planning – Rational for Planning in a Developing Economy – The Planning Process: Projection of Macro Variables, Input-Output Models and Sectoral Projections, Project Evaluation and Social Cost-Benefit Analysis – Plan Failures, Market Versus Planning – Planning in a Market Oriented Economy – Plan Models in India (The Models of 2<sup>nd</sup> Plan, 5th Plan and the ongoing Plan)

### **Unit – 3: Financing of Development**

Domestic Sources: Private Savings, Taxation – Financing by Money Creation and its Effects – The Dual Gap Analysis: Saving-Investment Gap and the Foreign Exchange Gap – Foreign Borrowing and the Debt Serving Problem – Private Foreign Investment.

### **Unit – 4: Environment and Development**

Environment and Economy Interdependence - Poverty and Environmental Degradation – The Concept of Sustainable Development - Micro Planning for Environmental and Eco-Preservation – Watersheds and Joint Forest Management - Role of State in Environmental Preservation

### **Recommended Readings:**

2. Meier, G.M., “Leading Issues in Economic Development”, OUP.
3. Todaro, M.P., “Development Economics”, Pearson.
4. Thirlwal, A. P. “ Growth and Development” Palgrave
5. Roy, D., “Development Economics”, OUP.
6. Basu, K., “The Less Developed Economy:”, OUP.
7. World Bank, “World Development Reports”, OUP.

## PAPER-XIV: PUBLIC FINANCE-II

### **Unit-1: Public Debt**

Public Debt – sources, burden and effects. Optimality in Public Debt Management

Pay-As-You-Use and Pay-As-You-Go Finance, Musgrave's Intergeneration Equity Theory

### **Unit-2: Public Budget**

The Modern Theory of Public Budgeting, Structure of a public budget, Incremental and Zero-base Budget, Outcome Budget

Concepts: Budget deficit, revenue deficit, fiscal deficit and primary deficit.

The current Union and the Assam state budget.

### **Unit-3: Fiscal Policy**

Fiscal Policy and its role in the economy, Compensatory Fiscal Policy, Functional Finance and Pump Priming

Fiscal Policy under conditions of inflation, and in the presence of unemployment

The Balanced Budget Multiplier, Built-in- Flexibility in the compensatory mechanism

Incidence of deficit financing: Impact of deficit finance on the capital market: *The Crowding Out Effect*. The welfare cost of deficit finance. Rationale and methods of reducing deficits

### **Unit-4 Fiscal Federalism**

Principles of division of financial resources, Instruments of inter-government resource transfer.

Horizontal and Vertical fiscal balance, Problems of Centre-State Financial Relations in India

### **Recommended Readings:**

1. Cullis, John & Jones, Philip, "Public Finance and Public Choice", McGraw Hill.
2. Browning, E.K. & Browning, J.M., "Public Finance and the Price System", Pearson.
3. Musgrave & Musgrave., "Public Finance in Theory and Practice".
4. Current Report of the Finance Commission, India.
5. Buchanan, J.M., "The Public Finance", Richard D. Irwin.
6. Pigou, T.F. and L.G. Sgontz., "An Introduction to Public Finance", Houghton.



## Optional Papers

### (a) POPULATION AND HUMAN RESOURCE DEVELOPMENT

#### **Unit – 1: Basic Theories and Concepts**

The Malthusian Theory of Population - Theory of Optimum Population - Theory of Demographic Transition - Population as Limits to Growth and as 'Ultimate Source' - Sources of Population Data - Population Pyramids, Population Change: Concepts and Measurement - Characteristics of Indian Population as Revealed by the Latest Census.

#### **Unit – 2: Elements of Vital Statistics**

Vital Rates: Measures of Fertility – Crude Birth Rate, General Fertility Rate, Age Specific Fertility Rates, Measures of Reproductivity – Total Fertility Rate, Gross Reproduction Rate, Net Reproduction Rate – Measures of Mortality – Crude Death Rates, Age Specific Death Rates, Concept of Infant Mortality Rate, Life Table – Concept, Types and Uses, The Different Columns of a Complete Life Table.

#### **Unit – 3: Economics of Education**

Education and Human Resource Development – Education and Economic Development – Cost – Benefit Analysis of Education – Measurement of Costs – Measurement of Benefits – The Rate of Return of Investment in Education – Social Rate of Return to Investment in Education - Public and Private - Financing of Education: Criteria for Adequacy of Education Finance, Traditional as well as Modern Concept of Adequacy – Financing of Education and Equity – Financing for Higher Education in India and its Problems.

#### **Unit – 4: Manpower Planning**

Significance and Problems, Measurement – Manpower Demand and Supply – Methodological Issues in Estimating Manpower Demand and Supply – Input-Output Method in Forecasting Manpower Requirement – Educational Planning and its Economic Aspects, Meaning and Concept of Brain Drain – Brain Drain and Under-developed Countries – Cost of Brain Drain.

#### **Recommended Readings:**

1. Bhende, A., and R. Kanitkar, "Principles of Population Studies".
2. Gupta and Kapoor, "Fundamentals of Applied Statistics."
3. Goon, Gupta, DasGupta, "Fundamentals of Statistics", Vol. II.
4. Ramkumar, R, "Technical Demography".
5. Nick hanley and Others, "Environmenatl Economics", MacMillan.
6. G. Psacharopolous (ed), "Economics of Education" Perdgaman Press.
7. Ian Beardwell and Len Holden (ed), "Human Resource Management – Contemporary Perspective", MacMillan.
8. M.P.Todaro, "Economic Development in the Third World", Oriented Longman.
9. NCAER, "India: Human Development Report".
10. UNDP Human Development Reports, Oxford University Press.

## (b) ECONOMETRIC METHODS

### **Unit – 1: Generalised Least Squares**

Aitken's Theorem of GLS – Feasible GLS and its Properties – Heteroscedasticity: Test and Solutions – Autocorrelation: Test and Solutions.

### **Unit – 2: Non-Linear Estimation**

Non-Linear Least Squares and Iteration process – Models with Binary Dependents Variables – Logit and Probit Models

### **Unit – 3: Distributed Lag Models**

Concept – Koyck Model – Partial Adjustment and Adaptive Expectation Models – Estimation of Models with a Lagged Dependent Variable – Test of Autocorrelation in Auto-Regressive Models

### **Unit – 4: Analysis of Time Series**

Components of Time Series – Fitting of Trend – Variate Difference Method – The idea of a stochastic Time Series - Stationary and Non-stationary Time Series – Autocorrelation Function and Correlelogram - the Problem of Regression Analysis with Non-stationary Time Series.

### **Unit – 5: Introduction to Simultaneous Equation Model**

Structural and Reduced Forms – Simultaneity Bias – Informal Introduction to Identification Problem, Indirect Least Squares and Two Stage least Squares

### **Recommended Readings:**

1. Johnston, J., "Econometric Methods", McGraw Hill.
2. Gujarathi. D., "Basic Econometrics", McGraw Hill.
3. Pindyck and Rubinfeld, "Econometric Models and Econometric Forecasts", McGraw Hill.
4. Greene, William, "Econometric Analysis", Macmillan.
5. Johnston and Dinardo, "Econometric Methods", McGraw Hill.

## (c) ENVIRONMENTAL ECONOMICS

### **Unit –1: The Economy and the Environment**

Interlinkings between the Economy and the Environment – The First two laws of Thermodynamics – Environment Degradation as Market Failure- Externality, Pigouvian Tax, Property Rights and Transaction Costs – Environmental Public Goods

### **Unit – 2: Economics of Natural Resources**

Economic Issues relating to use of Non-renewable Resources, Optimal Depletion – Issues relating to Renewable resources, Sustainable exploitation - Common Property Resources – Open Access – The Tragedy of Commons

### **Unit –3: Valuation of Environmental Damages and Benefits**

Use and Nonuse Values - Valuation Methods – Stated Preference Methods: Contingent Valuation – Revealed Preference Methods: Hedonic Pricing and Travel Cost Method – Environmental Impact Assessment.

### **Unit –4: Environment and Development**

Environment Development Trade off – Poverty and Environment – Concept and Indicators of Sustainable Development: Environmental Accounting - Policies for Sustainable Development.

### **Unit –5: Political Economy of Global Environmental Issues**

Climate Change, Loss of Biodiversity, Ozone Depletion, International Conventions and Protocols –Trade and Environment – Pollution Havens.

### **Recommended Readings:**

1. Kolstad, Charles D., “Environmental Economics”, Oxford University Press.
2. Hanley, Shogren and White, “Environmental Economics”, Macmillan.
3. Shanker, U, “Environmental Economics”, Oxford University Press.
4. Bhattacharjya, R., Environmental Economics”, Oxford University Press.

## (d) FINANCIAL SYSTEM

### **Unit-1: The Financial System**

Components of the financial system: Institutions, Markets, Instruments, and Services.-Functions of the Financial System. - Relationship between the Financial System and Economic Growth.

### **Unit-2: Financial Markets- Money Market**

Structure and Functions. - Instruments in the money market -Treasury Bill, Call Money Market, Commercial Papers, Certificate of Deposits and Commercial Bills. Money Market Intermediaries: The Discount and Finance House of India and Money Market Mutual Funds. Liquidity Management Instruments in the Money Market -.Money Market Derivatives.

### **Unit- 3: Financial Markets- Capital Market**

Structure and functions of the capital market - Primary Equity Market: Instruments of resource mobilization- Public Issues, Right Issues, and Private Placement. Resource mobilization from International Capital Market.- Secondary Equity Market: Functions of the secondary market. The Stock market and its operation. Stock Market Index- The BSE Sensex and the NSE Nifty - Derivative Equity Market: Nature of Derivatives and their benefits. Types of Financial Derivatives. - Debt Market: Participants in the Debt Market- The Private Corporate Debt Market, The PSU Bond Market and the Government Securities Market, MF Role and types of MF – Concepts of NPV.

### **Unit-4: Valuation of Financial Assets**

The time value of money and asset pricing - The valuation of debt instruments - The equilibrium price and quantity of bonds: loanable fund approach, Demand and Supply approach. - Valuing stock and other assets- income stocks and growth stocks -Equilibrium price and value of stock transactions.

### **Unit-5: Financial Sector Reforms**

Evolution of Banking System in India - Banking Sector Reforms - Reforms in the Capital Market.

#### **Recommended Readings:**

1. Baye, R. Michael & Jonson, W. Bennis, “Money, Banking and Financial Market-An Economic Approach”, AITBS Publishers.
2. Pathak, Barati, B., “Indian Financial System”, Pearson Publication.
3. Chandler, V.L., “The Economics of Money and Banking”
4. Saxena, R.M., “Development Banking in India”
5. Gupta, S. B., “Monetary Economics: Institutions, Theory and policy”
6. Avadnani, V.A., “Studies in Indian Financial System”
7. Sharma, S.K., “The Institutional Structure and Capital Market in India”
8. Dagli, V., “Financial Institutions in India”
9. Gupta, U.L., “Working of Stock Exchanges in India”
10. Raj, J., “Money Market, Mutual Funds: Scope and Implications”
11. RBI Reports, Tandon, Chakraborty, Dantwala Reports
12. Reserve Bank of India, “Functions and Working”.

**ACADEMIC CALENDAR**  
**Gauhati University Institute of Distance and Open Learning**  
**Guwahati- 781014, Assam**

<b>ADMISSION</b>			
<b>SEMESTER (TRADITIONAL PROGRAMME)</b>			
A	1	Fresh	July-September
	2	Continuation	July-September
<b>SEMESTER (IT PROGRAMMES)</b>			
B	1	Fresh	July-September
	2	Continuation	Odd Semester (July-September)
			Even Semester (January-February)
<b>ADMISSION TEST FOR M.Sc. IT PROGRAMME</b>			
C	August		
<b>ANNUAL PROGRAMMES</b>			
D	1	Fresh	July-September
	2	Continuation	July-September
<b>DISTRIBUTION OF SLM</b>			
<b>SEMESTER/ANNUAL (TRADITIONAL PROGRAMMES)</b>			
A	1	Fresh	July-October
	2	Continuation	July-October
<b>SEMESTER (IT PROGRAMMES)</b>			
B	1	Odd Semester	July-October
	2	Even Semester	Jan-March
<b>CONTACT CLASSES</b>			
<b>SEMESTER (TRADITIONAL PROGRAMMES)</b>			
A	1	Odd Semester	September-December
	2	Even Semester	March-June
<b>SEMESTER (IT PROGRAMMES)</b>			
B	1	Odd Semester	September-December
	2	Even Semester	March-June
<b>ANNUAL PROGRAMME</b>			
C	1	Previous	December-May
	2	Final	December-May
<b>EXAMINATION : TERM END</b>			
<b>SEMESTER (TRADITIONAL/IT)</b>			
A	1	Previous	July-August (All Sundays)
	2	Final	July-August (All Sundays)
<b>ANNUAL</b>			
August-September (All Sundays)			
B	<i>Schedule may change as per directive of the controller of Examination, GU/Govt. of Assam</i>		

<b>EXAMINATION: Sessional (OMR based Internal Examination)</b>			
A	<b>SEMESTER (TRADITIOAN/IT)</b>		
	1	Odd Semester	November
	2	Even Semester	May
<b>ANNUAL</b>			
January			
<b>DECLARATION OF RESULT (Term End)</b>			
<b>SEMESTER (TRADITIONAL/IT)</b>			
A	1	Odd Semester	May-June
	2	Even Semester	November-December
B	<b>ANNUAL</b>		
	Januray		

**ENCLOSURE-III**  
**SLM covering syllabus**

<b>SL. NO</b>	<b>PAPER NO</b>	<b>PAPER NAME</b>
<b>FIRST SEMESTER</b>		
1	I	Microeconomics Theory
2	II	Macroeconomics Theory – I
3	III	Mathematical Methods for Economic Analysis-I
4	IV	Statistical Methods for Economic Analysis
<b>Second Semester</b>		
5	V	Advanced Microeconomics
6	VI	Macroeconomic Theory –II
7	VII	Mathematical Methods for Economic Analysis-II
8	VIII	Elementary Econometrics
<b>Third Semester</b>		
9	IX	Development Economics-I
10	X	International Economics
11	XI	Issues in Indian Economy
12	XII	Public Finance-I
<b>Fourth Semester</b>		
13	XIII	Development Economics-II
14	XIV	Public Finance-II
15	(a)	Population and Human Resource Development
16	(b)	Econometric Methods
17	(c)	Environmental Economics
18	(d)	Financial System

**GAUHATI UNIVERSITY**  
**INSTITUTE OF DISTANCE AND OPEN LEARNING**

**Programme Project Report**

PPR ID : GU/GUIDOL/PPR/06 (Total no. pages : 38 )

**Programme: Masters of Arts in Mathematics /Master of Science in  
Mathematics**

**1. Programme mission and objective:**

The mission of the Programme to be launched is "to cater to the need of higher education in mathematics and to widen the periphery of education and application in mathematics."

***Objectives of the Programme:***

- to promote higher education and research in the field of pure and applied Mathematics,
- to enhance and develop their knowledge and understanding on the theoretical and practical foundations of Mathematics as a subject.
- to nurture the finest talents in Mathematics and capacitate them with high level of professional competence,
- to create resources in the field of mathematics to contribute in the different fields of applied science,
- to think critically and to aid in decision-making
- to generate competent and well-educated man-power for the teaching profession as well as manning positions of research associates in public/private sector academic and research institutions.

**2. Relevance of the programme with HET's mission and goals:**

Gauhati University was established in 1948 with a mission to revitalize educational leadership, to set the standard for the production and dissemination of knowledge as well as to become an effective instrument of change in the society. With this aim in view, the Department of Mathematics was established in 1948 and has set up, over the years, a close association with formal and informal organizations in the field of educational



research & development which give opportunity to the students to acquire practical knowledge and ideas.

Keeping in view the motto of “*Quality Higher Education For All*” Masters of Arts in Mathematics and Master of Science in Mathematics to be offered through ODL mode is very much relevant to the HEI’s mission and goals as it aims to provide quality higher education in field of Mathematics to those aspiring candidates who are deprived of higher education due to the limited number of intake in the conventional mode of education in the Universities. Moreover, to keep the quality intact, the curriculum and syllabus is designed at par with the conventional mode, keeping in mind the specific needs and acceptability of the learners in the ODL mode and in keeping with the aims and objectives of the parent department.

**3. Nature and target group of learners:** Our target group includes-

- *those deprived of admission in the parent department of regular mode due to limited intake capacity,*
- *those employed in various organizations who desire to pursue higher education as a passion or as a mean for movement up the promotional ladder,*
- *drop outs primarily due to social , financial and economic compulsions as well as demographic factors,*
- *job seekers,*

Gauhati University also has a provision in the ODL mode for lateral entry for those who had to discontinue the regular programme after successful completion of the first two semesters due to unavoidable reasons. Acceptability of the lateral entry provision is an indicator of parity of the courses in regular and distance mode. The curriculum is designed to enable learners to fulfill their aims and objectives in a manner they deem fit and proper. The curriculum is designed by a committee comprising of experts from the Department of the University, external experts and teachers of Gauhati University Institute of Distance and Open Learning (GUIDOL), keeping in view the needs of the diverse group of learners.

**4. Appropriateness of the programme to be conducted in the ODL mode for acquiring specific skills and competence-** The programmes to be offered through ODL mode will have certain learning outcomes. The programmes will help the learners

- *to enhance and develop their knowledge and understanding on the theoretical and practical foundations of Mathematics as a subject in particular*
- *to create the knowledge of basic and advance concept of mathematics with its application in its allied fields*
- *to build knowledge of the different analytical tools based on mathematical concepts for relating mathematics and application of mathematics in the different fields of science for scientific enhancement and support*
- *to commit to action that demonstrates care for others*

## 5. **Instructional Design:**

- a) **Curriculum Design:** The curriculum is designed by a committee comprising of experts from the parent department of the University, GUIDOL, keeping in view the needs of the diverse group of learners. Apart from theoretical component, the syllabus emphasizes on practical exposure of students to different fundamental programming languages of Computer Science. This is included in the course content of this programme.
- b) **Detailed Syllabus:** Enclosed (*Enclosure I*) .
- c) **Duration of the Program:** Minimum 2 (two) years. However, the learners are required to complete the programme within 4 (four) years from the date of admission.
- d) **Instructional Delivery Mechanism:** The programme will be delivered in 4 (four) semesters having 5(five) courses/papers in each semester and also with the opportunity to choose optional courses offered. The learners will be provided with the printed SLMs which cover almost all the contents in the syllabus (*enclosure-III*). Counselling sessions will be held in the headquarter and various affiliated study centres. Telephonic Counselling and providing online learning resources will also be a part of the instructional Delivery mechanism. The progress of the learners will be evaluated by Internal Assessment and Term end/semester end exam.
- e) **Faculty:**
  1. Prof. Kuntala Patra, Department of Mathematics, Gauhati University nominated as Coordinator of the ODL programmes in Mathematics

2. The post of Academic Consultant in Mathematics has been advertised and recruitment to the post will soon be done.
3. Resource persons drawn from amongst teachers of affiliated colleges and faculty staff of the Department of the University.

f) **Media:** Print Media, ICT enabled content and e-Learning resources

g) **Student Support Service:** In order to successfully execute the programme, the Institute has a wide range of support services. The various support services are listed as below-

- i) **Network of Study Centres:** To assist its learners of the ODL mode the University has established 96 study centres throughout the State of Assam but within the territorial jurisdiction of Gauhati University.
- ii) **State of the art Library** with around 7 thousand collections of materials which includes books, journals, magazines, CD and DVDs.
- iii) **E- Learning Portal:** [www.bodhidroom.guidol.in](http://www.bodhidroom.guidol.in) the first of its kind in the entire North Eastern region of India. Which provides the following services to the students:

- Online enrolment of students
- Independent Discussion Forum for every course
- Independent News Forum for every course
- Online interaction facility with faculty members
- Online interaction between the students making the scope of collaborative learning
- Interaction through chatting of all users of all courses who are online.
- Separate Chat Room for individual course
- **Message My Teacher:** When a student logs in to Bodhidroom, after enrolling himself/herself to a course, he/she will see the names of the virtual class teachers. Student can directly send offline messages to the teachers. When the teacher is logged on, he will receive an alert of incoming messages. Then he can reply to the message.
- Online Study Material
- Old Examination Question Papers

(iv) **Dynamic Website** Gauhati University has a dedicated dynamic website for ODL learners where one can get all the informations regarding its programmes, upcoming events, examination results etc.

- v) **Computerised admission process with provision of online admissions:** The whole system of admissions and examinations are managed using professional software which gives instant online access to learners. Can be accessed through [www.idolgu.in](http://www.idolgu.in).
- vi) **Flexible Walk in Group Counselling (FWGC):** Regular group and individual counselling will be held in the GUIDOL (headquarter) complex as well as in the parent department during all working days. Learners may walk-in to the designated GUIDOL counselling room and meet their teachers to clarify their doubts.
- vii) **Personal Contact Programme (PCP) :**In addition to the Study Materials, useful Personal Contact Programmes will be held at various affiliated study centres, which will enable the students to clarify their confusions and ease their difficulty while going through it. Qualified faculty members of affiliated study centres will help out the attending students by providing necessary tips and guidelines during the interactive sessions. These sessions are also meant to give the students a chance to meet the teachers personally and discuss their problems.
- viii) **Community FM Radio:** Gauhati University has its own Community radio station named as “Radio Luit 90.8 FM” and operates daily from 8AM to 8PM. The Community Radio station shall be extensively used to broadcast radio talks on various courses daily. The broadcast contents are designed as per the requirements by teaching staff of both the ODL Institute as well as the parent department. Experts are outsourced if the need arises.

## **6. Procedure for Admissions, Curriculum transaction and Evaluation-**

**Admission-** The admission process starts from August and ends by the end of September every year. The learners can go for either offline or online admission process. The minimum eligibility for M.A. & M.Sc programme in Mathematics is any graduate from any recognized Indian or Foreign university. The proposed fees for admission is Rs 7000.00(Seven Thousand only) per year. Financial Assistance is provided to the candidates belonging to SC/ST and OBC categories in the form of scholarship. A few learners belonging to the economically deprived section as well as the physically challenged category are provided free ship on the recommendation of the Hon’ble Vice Chancellor.

### **Curriculum transaction- Activity Planner: Enclosure II**

**Evaluation-** Each course/paper will carry 80% weightage for the term-end examinations and 20% for internal evaluation in the form of Home Assignments/internal examinations.

In order to pass/clear a course/paper, a candidate must secure minimum 35% marks in each course/paper. All examinations are conducted by the Controller of Examinations as per Examination rules and regulations of Gauhati University.

- 7. Library Resources:** The University has a State of the Art Central Library with rich collections of materials which includes books, journals, magazines, CD and DVDs, and is accessible to the ODL learners as well. Moreover, GUIDOL has its own Library where various books, journals and magazines are available.

Gauhati University being a member of the UGC-Infonet Digital Library Consortium (<http://www.inflibnet.ac.in/econ/index.php>) which provides current as well as archival access to more than 5000 core and peer-reviewed journals and nine bibliographic databases from 23 publishers and aggregators in different disciplines. The ODL learners can access the e-resources of UGC-Infonet Digital Library Consortium from the Gauhati University campus.

- 8. Estimated cost of the Programme:** total estimated cost of the programme is approximately Rs. 67.5 Lakhs which includes preparation and printing of SLMs, remuneration of the Resource persons, establishment cost and overheads. The estimate is evaluated considering the unit expenses of Rs.2.5 Lakhs per paper /1000 students for the entire duration of two years.

- 9. Quality assurance Mechanism and Expected Programme outcome:** The institute has a *Centre for Internal Quality Assurance (CIQA)* constituted by the statutory body of the HEI. Members of the Cell are drawn from among the Deans of the different Faculty, Heads of the respective departments, Executive Council members, administrative staff and teaching staff of the institute. The Internal Quality Assurance Cell shall review the relevance and standard of the programme from time to time and make necessary changes in the syllabus and contents of the programme. The HEI shall continuously monitor the effectiveness of the program through *CIQA* and other statutory bodies.

Course Benchmark Statement: Please refer to para 4 above. Further, learners will be equipped for professional competence and employability.

## ENCLOSURE-I

### Syllabus ( IDOL) for M.A/M.Sc in Mathematics.

The M.A/ M.Sc IDOL syllabus has been restructured for the semester system on the basis of the guidelines of the UGC. There are four semesters in two years; each semester comprising of five papers. In the third semester 3 papers are common to all and the other two papers are optional. In the 4<sup>th</sup> semester two papers are common and three papers are optional. Questions will be set from each unit, proper weightage will be given unit wise and marks from each unit are shown accordingly. In each paper there will be an internal assessment of 20 marks.

#### Semester I

- Paper- M101: Real Analysis and Lebesgue Measure  
Paper-M102: Topology  
Paper-M103: Algebra  
Paper-M104: Differential Equation.  
Paper-M105: Tensor and Mechanics

#### Semester II

- Paper- M201: Complex Analysis  
Paper-M202: Functional Analysis  
Paper-M203: Hydrodynamics  
Paper-M204: Mathematical Methods.  
Paper-M205: Operation Research

#### Semester III

- Paper- M301: Computer Programming in C (theory and Practical)  
Paper-M302: Number Theory  
Paper-M303: Continuum Mechanics  
Paper-M304 Algebra II/Space Dynamics  
(Optional):

Paper-M305: Special Theory of Relativity /Mathematical Logic  
(Optional):

**Semester IV**

Paper- M401: Graph Theory

Paper-M402: Numerical Analysis

Paper-M403: Functional Analysis II/ Fluid Dynamics

Paper-M404: Mathematical Statistics /Dynamical System.

Paper-M405: Fuzzy Sets and their Applications/General Theory of  
Relativity and Cosmology.

## Detailed Course Structure

### Semester I

#### M101: Real Analysis and Lebesgue Measure

##### Unit 1: (Marks-20)

Uniform convergence at an interval. Cauchy's criterion. Test for uniform convergence. Properties of uniformly convergent sequences and series of functions. Uniform convergence and continuity. Integration, differentiation Weirstrass approximation theorem (Statement only) and its application. Uniqueness theorem for power series. Abel's and Taylor's theorem. Fundamental properties.

##### Unit 2: (Marks-20)

Function of bounded variation, continuity, Differentiation, their continuity and monotonicity. Definition and Existence of R-S integral, properties of R-S integral integration and differentiation, fundamental theorem of calculus.

##### Unit3: (Marks-20)

Lebesgue outer measure, Measurable sets and properties. Borel sets and their measurability characterization of measurable sets, Non-measurable sets, Measurable function, Properties, Operation of measurable function, sets of measure zero.

##### Unit 4: (Marks-20)

Lebesgue integral, Lebesgue integral of a bounded function, comparison of Riemann integral and Lebesgue integral. Integral of non negative measurable function, General Lebesgue integral. Convergence of Lebesgue integral, Bounded convergence theorem (statement only) Monotone Convergence theorem (statement only), Lebesgue Convergence theorem (statement only).

##### Books Recommended:

1. Malik and Arora: Mathematical Analysis, Narosa Publishing House, New Delhi.



2. L.Royden: Real analysis, Prentice Hall of India.
3. W.Rudin: Principles of mathematical Analysis, 3<sup>rd</sup> Edition, McGraw Hill
4. Jain and Gupta: Lebesgue Measure and integration, Willey Eastern Ltd

### **M102: Topology**

#### **Unit 1: (marks-20) Metric Space:**

Convergence of sequences, completeness, Bair's theorem, continuous mappings, spaces of continuous function's Euclidean and unitary spaces.

#### **Unit 2: (marks-10) Topological Space:**

Continuity and homeomorphism, subspace, bases and sub bases. Weak topologies.

#### **Unit 3: (marks-20) Compactness:**

Compact spaces, product spaces, Tychonoff's theorem and locally compact spaces. Compactness for metric spaces, Ascoli's theorem.

#### **Unit 4(marks-20) Separations:**

TI-space and Hausdorff spaces, Completely regular spaces and normal spaces, Urysohn's lemma and Tietze extension theorem.

#### **Unit 5: (marks-10) Connectedness:**

Connected spaces, components of a space, totally disconnected spaces, locally connected spaces.

#### **Books Recommended:**

1. G.F Simmons.: Introduction to Topology and Modern Analysis, McGraw Hill
2. J.R.Munkers: Topology, A first course, Prentice Hall, India

### **M103: Algebra**

#### **Unit1: (marks-20)**

Direct product and Direct sums of Groups, Decomposable groups, Normal and Subnormal series of groups, Composition series, Jordan Holder theorem, solvable groups.

**Unit2: (marks-20)**

Divisibility in Commutative rings, PID, UFD and their properties, Eisenstein's irreducibility criterion.

**Unit3: (marks-20)**

Field theory-Extension fields, Algebraic and Transcendental, Splitting field, perfect fields, Finite fields (Moore's theorem etc.). Construction by ruler and compass, elements of Galois theory.

**Unit4: (marks-20)**

Canonical forms, similarity of linear transformations, Invariant subspaces, Reduction to triangular forms, nilpotent transformations, index of nil potency, invariants of a nilpotent Transformation, Primary decomposition theorem, Jordan blocks and Jordan forms.

**Books Recommended:**

1. S.Singh and Zameruddin: Modern Algebra, Vikash Publication.
2. S. Lipschitz: Linear Algebra, Schaum's outline series.
3. Hoffman and Kunz: Linear Algebra, PHI.
4. I.N.Herstein: Topic in Algebra

**M104: Differential Equation.**

**Unit1: (marks-20)**

Solution of 2<sup>nd</sup> order differential equations with variable coefficients including method of variation of parameters. Statement only Existence theorem of 1<sup>st</sup> order equation, Statements of existence theorems for system of 1<sup>st</sup> order equations and for nth order differential equations, Wronskian.

**Unit2: (marks-20)**

Method of series solution of 2<sup>nd</sup> order differential equations with particular reference to Legendre, Bessel and Gauss. Simultaneous differential equations and total differential equations.

**Unit3: (marks-20)**

Origin of partial differential equations of 1<sup>st</sup> order, Lagrange's method of solving 1<sup>st</sup> order linear partial differential equations. Particular solutions under various prescribed conditions. Linear homogeneous equations with more than two independent variables.

**Unit4:(marks-20)**

Charpit's method of solving non-linear 1<sup>st</sup> order partial differential equations. Complete Integrals. Standard forms of non-linear 1<sup>st</sup> order partial differential equations.

**Books Recommended:**

1. Theory and problems of differential equations-Frank Ayres Jr. Schaum's Outline Series,McGraw Hill.
2. M. D. Raisinghannia: Advance Differential Equations, S Chand & Co.
3. Gupta Malik and Mittal: Partial Diffrential Equation,Pragati Prakashan

**M105: Tensors & Mechanics**

**Unit1: (marks-10)**

Transformation of coordinates, summation convention, Kronecker delta, definition of tensors covariant, contra variant and mixed tensor, Cartesian tensors, rank of a tensor, symmetric and antisymmetric tensors, outer and inner product of tensors, contraction, quotient law. Riemannian space, metric tensor, fundamental tensors, associate tensors, magnitude of a vector, angle between two vectors Parametric curves.

**Unit2: (marks-10)**

Christoffel's three-index symbols (or brackets) and properties, covariant differentiation of tensors, divergence and curl of a vector and gradient of a scalar. Intrinsic derivatives, curvature of a curve, parallel displacement of vectors.

**Unit3: (marks-10)**

Forces in three dimension and general conditions of equilibrium, Poinsot's central axis, wrench, cylindroids.

**Unit4: (marks-10)**

Virtual works, bending moments, equilibrium of slightly elastic beams, general equations of a bent rod, equations of three moments, work done in bending a rod.

**Unit5: (marks-10)**

Newton's laws and inertial frame of reference, general equations of motions, conservative force fields, general principle of conservation of energy, linear momentum and angular momentum.

**Unit6: (marks-10)**

Motion in two dimensions, motion under a central force with particular reference to inverse square law of force, Kepler's laws of planetary motions, two body problem, motion in resisting medium and motion when the mass varies.

**Unit7: (marks-10)**

Motion in three dimensions, velocity and acceleration in cylindrical and spherical polar coordinates, motion on cylindrical spherical and conical surfaces.

**Unit8:(marks-10)**

Revision of moments and general equations of motion of rigid body, motion in two dimensions under finite and impulsive forces, expression for K.E.; motion about a fixed axis.

**Books Recommended:****Tensors:**

1. Agarwal D.C.: Tensor Calculus of Riemannian geometry.

2. Ayers: Vectors and introduction to Tensor, Scaum's Outline Series, Tata McGraw Hill.

**Mechanics:**

1. Lamb: Statics , CUP
2. S. L Loney: Statics, CUP
3. A. S Ramsey: Statics, CUP, CBS Publishers & Distributors.
4. Tyagi, Nand and Sharma: Statics, Krishna Prakashan mandir
5. Chorlton: Text Books of dynamics, Van Nostrand
6. Goldstein: Classical mechanics, Addison Wesley.
7. Loney S.K.: Dynamics of a particle and of rigid bodies (CUP)
8. A. S Ramsey: Dyanamics PartII
9. Singe and Griffith: Principles of mechanics, McGraw Hill
10. Spiegel M: Dynamics Part II, Scaum's Outline Series, Tata McGraw Hill.

**M201Complex Analysis**

**Unit1:( Marks-20)**

Analytic functions: The Cauchy Riemann equations, harmonic functions, elementary functions many valued functions.

Analytic functions as mappings: Isogonal and conformal Transormations. Bilinear transformations: geometrical inversion, coaxial circles, invariance of the cross-ratio. Fixed points of a bilinear transformation; some special bilinear transformations, e.g. real axis on itself, unit circle on itself, real axis on the unit circle etc.

Branch point and branch lines, concept of the Riemann Surface.

**Unit2: ( Marks -20)**

Complex Integration

Integral along oriented curve, Cauchy's theorem, the Cauchy-Goursat theorem; Cauchy's integral and functions defined by integrals, the derivatives of a regular function; Morera's theorem, Cauchy's inequality, Liouville's theorem; Maximum modulus principle.

**Unit3: ( Marks -20)**

Power series:

Taylor's and Laurent's theorem: Zeros and singularities, their classification, poles and zeros of meromorphic functions.

The argument theorem, "Rouche's theorem, location of roots of equations.

**Unit4: ( Marks-20)**

The Calculus of Residues:

The residue theorem: evaluation of integrals by contour integration, special theorems used in evaluating integrals.

**Books Recommended:**

1. Phillips E.C.: Function of a Complex Variable, Oliver and Boyd.
2. Shanti Narayan : theory of Functions of a complex Variables, S. Chand and Co.
3. Spiegel Murry R: Theory and Problems of Complex variables, Schaum's Outline Series TMH.

**M202 Functional Analysis**

**Unit1: (Marks -20)**

Banach Space: Definitions and some examples, Basic properties, continuous linear transformation, finite dimensional normed linear spaces.

**Unit2:(Marks-20)**

Hahn-Banach theorem, natural embedding of  $NLS^*$ , open mapping theorem, closed graph theorem, Banach Steinhaus theorem, conjugate of an operator.

**Unit3:(Marks-20)**

Hilbert Spaces: Definition and simple properties, orthogonal complement, orthogonal sets, conjugate space  $H^*$ , adjoint of an operator, self adjoint of an operator, normal and unitary operator, projection.

**Unit4:(Marks-20)**

Finite-dimensional spectral Theory: Spectrum of an operator, spectral theorem.

**Books recommended:**

1. Simmons G.F.: Introduction to Topology and Modern Analysis, McGraw Hill/Megginson.
2. Lahiri, B.K.: Functional Analysis, the World Press Pvt. Ltd, Calcutta.
3. Limaye, B.V.: Functionla Analysis, New Age Publication.

**M203 Hydrodynamics**

**Unit 1 (Marks-20):** Kinematics of fluid motion: Path lines stream lines equations of continuity, equation of motion and their integrals, boundary conditions . Impulsive motions. Analysis of fluid motion and general theory of irrotational motion.

**Unit 2 (Marks-20):** Motion in a plane: Use of Complex potential. Source. Sink, Doublet. Method of images. The Circle theorem. The theorem of Blasius. Motion past circular cylinder.

**Unit3:(Marks-20):** Motion in space: Motion past a sphere axisymmetric motion. Stokes stream function and its use.

**Unit 4(Marks-20):** Vortex motion : Properties of vortex filament motion due to rectilinear vortex and a system of vortices motion of a vortex filament due to the influence of others. Ranking vortex.

**Books recommended:**

.

1. W.H.Besant and A.S. Ramsay: A Treatise on Hydromechanics. Part II. CBS Publishers. Delhi.
2. Frank Chorlton: Text Book of Fluid Dynamics- C.B.S Publishers. Delhi.
3. G.K.Batchelor: An Introduction to Fluid Mechanics, Foundation Books. New Delhi.
4. M.D. Raisinghania: Hydrodynamics- S. Chand and Co. Limited.

### **M204: Mathematical Methods**

**Unit1: (Marks-20): Laplace Transform:** Basic properties of Laplace Transform, Convolution theorem and properties of convolution, Inverse Laplace Transform, Application of Laplace Transform to the solution of differential equation. Evaluation of definite integrals.

**Unit2: (Marks-20): Fourier Transform:** Fourier Integral Transform. Properties of Fourier Transform, Fourier sine and cosine transform, Application of Fourier Transform to differential equation. Evaluation of definite integrals.

**Unit3 (Marks-20): Fredholm Integral Equations:** Definition of Integral equation, Eigen values and Eigen functions: Reduction to a system of algebraic equations, Reduction of ordinary differential equation into integral equation. Fredholm integral equations with separable kernels, Method of successive approximations, Iterative scheme for Fredholm Integral equation of second kind.

**Unit4 (Marks-20): Voltera Integral Equations:** Voltera Integral equations of second kind, Resolvent kernel of Voltera equation and its result, Application of iterative scheme to Voltera integral equation of the second kind. Convolution type kernels.

**Books recommended:**

1. S. G. Mikhlin: Linear Integral Equations, (Translated from Russian), Hindustan Book Agency, 1960.
2. Raisinghania: Integral Transforms, S. Chand & Co.



3. M.R. Spiegel: Theory and Problems of Laplace transforms, Schaum's outline series.

### **M205 Operations Research**

**Unit-1 (Marks-10):** History and Development of Operations Research. Operations Research and its Scope Necessity of Operations Research in Industry and Management. General idea of queuing problem-Markovian and non Markovian queues. Queuing theory and its operating characteristics, queuing model-M/M/1, M/M/K. General equations of the models.

**Unit-2 (Marks-10): Simulation:** Theory of simulation. Monte Carlo method, applications to the problems of replacement and maintenance inventory, queuing and financial problems.

**Unit-3 (Marks-20): Linear Programming:** Simplex method. Theory of the simplex Method, Duality and Sensitivity Analysis. Other Algorithms for Linear Programming, Dual Simplex Method. Integer programming-Branch and Bound technique. Concept of cutting plane. Gomory's all integer cutting plane method.  
Applications to Industrial Problems:- Optimal product mix and activity levels. Petroleum refinery operations Blending problems. Economic interpretation of dual linear programming problems. Input-output analysis.

**Unit-4: (Marks-10):** Transportation and Assignment Problems.

**Unit-5: (Marks-10): Network Analysis -** Shortest Path Problem. Minimum Spanning Tree Problem. Maximum Flow Problem, Minimum Cost Flow Problem. Network simplex Method. Project Planning and Control with PERT- CPM.

**Unit 6: (Marks-20): Nonlinear Programming:** One and Multi-Unconstrained Optimization. Kuhn-Tucker Conditions for Constrained Optimization. Quadratic Programming. Separable Programming Convex Programming Non-convex Programming.

**Books recommended:**

1. Kanti Swarup.P.K. Gupta and Manmohan: Operations Research. S.Chand and Co.
2. . H.A.Taha.Operations Research: An introduction. Macmillan Publishing Co. Inc. New York.
3. FS Hillier and GJLieberman: Introduction to Operations Research (Sixth Edition). McGraw Hill International Edition. Industrial Engineering Series. 1995 (This book comes with a CD containing tutorial software)
4. P.K.Gupta and D.S. Hira: Operations Research-An Introduction S.Chand and Co.

**M301 Computer Programming in C**

**Unit 1. (Marks- 20): An Overview of Programming:** The basic model of computation, Algorithms, Flow charts, programming languages, compilation, linking and loading, efficiency and analysis of algorithms.

**C Essentials:** Character set, variables and identifiers, built in data types, operators and expressions, constants, type conversions, basic input/put operations, anatomy of a C program.

**Unit 2. (marks-20): Control Flow:** Conditional branching, The switch statement, looping, nested loops, the break and continue statements, the goto statement, infinite loops.

**Unit 3. (marks-20): Arrays, Pointers and Functions:** Declaration, initialization, pointer arithmetic. Basics of functions, passing arguments, declaration and calls, return values.

### **SAMPLE PROGRAMS FOR PRACTICAL (MARKS-20)**

To evaluate an arithmetic expression. To find GCD, Factorial. Fibonacci series. Prime number generation. Reversing digits of an integer. Finding square root of a number. To find the roots of a quadratic equation. To find the greatest and smallest of a finite set of numbers. To find the sum of different algebraic and trigonometric series. Addition, subtraction and multiplication of matrices.

#### **Books recommended:**

1. Rajaraman V.: Computer Oriented Numerical methods, Prentice Hall of India, New Delhi.
2. Balaguruswamy E.: ANSIC.
3. Kernighan W. and Ritchie D.K.: The C programming Language, PHI.

### **M302 Number theory**

**Unit 1. (Marks-20): Divisibility and the primes:** Principle of mathematical induction, least common multiple, greatest common divisor. Euclidean algorithm, prime numbers, unique factorization theorem)

**Unit 2. (Marks-20): Congruences:** Operations of congruences, Residue sets mod  $m$ , Euler's theorem, order of a mod  $m$ , linear congruences, the theorems of Fermat and Wilson, The Chinese Remainder theorem, Polynomial congruences.

**Unit 3. (Marks-20): Quadratic Residues:** Primitive roots, Indices, quadratic residue mod  $m$ , Euler's criterion, The Legendre symbol, The law of quadratic reciprocity. The Jacobi symbol.

**Unit 4. (Marks-20): Arithmetic functions and some Diophantine equations:** Multiplicative Arithmetic functions,  $\tau$  and  $\sigma$  functions, Mobius function, Euler's function, The inversion formula. Linear Diophantine equations, equations of the form  $x^2+y^2=z^2$ , related equations, Representation of a number by sum of two or four squares.

**Books recommended:**

1. Burton D.M.: Elementary Number Theory, Universal Book stall, New Delhi.
2. K. C. Chowdhury: A first course in theory of numbers, Asian Books Pvt. Ltd.
3. S. B. Malik: Vikash Publishing House Pvt. Ltd.: Basic Number Theory

**M303 Continuum Mechanics**

**Unit 1. (Marks-20): Analysis of Stress:** The continuum concept. Homogeneity isotropy mass density. Cauchy's stress principle. Stress tensor. Equations of equilibrium. Stress quadratic of Cauchy. Principal stresses. Stress invariants. Deviator and spherical stress tensors.

**Unit 2. (Marks-20): Analysis of Strain:** Lagrangian and Eulerian descriptions. Deformation tensors. Finite strain tensor. Small deformation theory. Linear strain tensors and physical interpretation. Stress ratio and finite strain interpretation strain quadratic of Cauchy. Principal strains. Strain invariants. Spherical and Deviator strain components. Equations of Compatibility.

**Unit 3. (Marks-20): Motion:** Material derivatives, path lines and stream lines. Rate of deformation and Vorticity with their physical interpretation. Material derivatives of volume. Surface and line elements. Volume, surface and line integrals. Fundamental laws of continuum Mechanics.

**Unit 4. (Marks-20): Constitutive equations of Continuum Mechanics:** Linear elasticity. Generalized Hook's Law. Strain energy function. Elastic constants for isotropic homogeneous materials. Elaststatic and Elastodynamic problems.  
Fluids: Viscous Stress tensor. Barotropic flow : Stokesian fluids. Newtonian fluids. Navier stokes equations. Irrotational flow. Perfect fluids. Bernoullis equation. Circulation.

**Books recommended:**

1. G. E. Mase: Continuum Mechanics - Schaum's outline series. McGraw Hill Book Company.
2. R. Chatterjee: Mathematical Theory of Continuum Mechanics- Narosa Publishing House. New Delhi.

**M304 Algebra II**

**(Optional):**

**Unit 1. (Marks-20):** Posets and lattices, Modular, Distributive lattices, Direct product (sum) of an infinite family of groups. Structure theorems for finitely generated abelian groups  
**Unit 2:** Sylow's theorem and its applications.

**Unit 2. (Marks-20):** Free abelian groups, free groups, free products of groups, representation of a group.

**Unit 3. (Marks-20):** Modules, submodules, Direct product and direct sum of modules, prime ideals in commutative rings, complete ring of quotients of a commutative rings.

**Unit 4. (Marks-20):** Primitive rings, Radical, completely reducible module and rings, Artinian and Noetherian rings and modules.

**Books recommended:**

1. V.K. Sarma: Lattices and Boolean Algebra- Vikas Publ House.

2. Singh and Zameeruddin: Modern Algebra- Vikas Publ House
3. B. Chandler: Group Theory, Schaum's Series
4. Bhattacharyya, Jain and Nagpaul: Basic Abstract Algebra- CUP, 1997

### **M304 Space Dynamics**

#### **(Optional)**

**Unit 1. (Marks-20): Basic formulae of a spherical triangle-The Two-body problem:** The motion of the centre of mass . The relative motion. Kepler's equation. Solution by Hamilton Jacobi Theory. The Determination of Orbits: Laplace's Gauss Methods.

**Unit 2. (Marks-20): The Three Body problem:** General Three Body Problem. Restricted Three Body Problem. Jacobi integral. Curves of zero velocity. Stationary solutions and their stability. The n-body problem: The motion of the centre of Mass. Classical integrals.

**Unit 3. (Marks-20): Perturbation :** Osculating orbit, perturbing forces. Secular and Periodic perturbations, Lagrange's planetary Equations on terms of perturbing forces and in terms of perturbed Hamiltonian. Motion of the moon-The perturbing forces. Perturbation of Keplerian elements of the moon by the sun.

**Unit 4. (Marks-20): Flight Mechanics:** Rocket performance in a vacuum, vertically ascending paths. Gravity twin trajectories. Multi-stage rocket in a vacuum. Definitions pertinent to single stage rocket. Performance limitations of single stage rockets. Definitions pertinent to multi stage rockets. Analysis of multi-stage rockets neglecting gravity. Analysis of multi-stage rockets including gravity.

**Books recommended:**

1. J.M.A.Danby: Fundamentals of Celestial Mechanics. The Macmillan Company. 1962
2. E. Finaly, Freundlich. Celestial Mechanics. The Macmillan Company. 1958

3. Ralph Deutsch. Orbital Dynamics of Space Vehicles. Prentice Hall INC. Engle Wood Cliff. New Jersey 1963.
4. Theodore E. Sterne: An Introduction of Celestial Mechanics. Intersciences Publishers. INC 1960-
5. Angelo Miele: Flight Mechanics Vol 1. Theory of flight paths. Addison Wiley Publishing Company INC. 1962.

### **M305: Special Theory of Relativity**

#### **(Optional)**

**Unit 1. (Marks-16):** Inertial and non-inertial frames, Geometry of Newtonian mechanics, Galilean Transformations, Back-ground of the fundamental postulates of the special theory of relativity, Lorentz transformation. Relativistic concept of space and time and relativity of motion, Geometrical interpretation of Lorentz transformation as a rotation. Lorentz transformation as a group.

**Unit 2. (Marks-16):** Relativistic addition law of velocities and its interpretation in terms of Robb's rapidity, Invariance of speed of light, consequences of Lorentz transformation e.g. (i) Lorentz Fitzgerald contraction (ii) Time dilation (iii) Simultaneity of events, Proper length and proper time, Application in problems. Transformation of acceleration

**Unit-3. (Marks-16):** Relativistic mechanics. Variation of mass with velocity, Transformation of mass, force and density Equivalence of mass and energy, Transformation of momentum and energy, Energy momentum vector. Applications in problems, Relativistic Lagrangian and Hamiltonian.

**Unit-4. (Marks-16)**

Minkowski's space, Geometrical representation of simultaneity, Contraction and dilation, space like and time like intervals, position. Four vectors, Four velocity, Four forces and Four momentums, Relativistic equations of motion, Covariant four-dimensional formulation of the laws of mechanics.

**Unit-5. (Marks-16):** Electrodynamics: Fundamentals of electrodynamics, Transformation of differential operators, D' Alembert operator, Derivation of Maxwell's equation, Electromagnetic potentials and Lorentz condition, Lorentz force, Lorentz transformations of space and time in four-vector form, Transformations of charge and current density, Invariance of Maxwell's equations, Transformation equations of electric field strength and magnetic field induction components, Invariance of  $E^2-H^2$  and  $E.H$ .

**Books recommended:**

1. Robert Resnick: Introduction to special Relativity, Wiley Eastern Lt. (1990)
2. A S Eddington: The Mathematical Theory of relativity, Cambridge University Press 1965
3. Satya Prakash: Relativistic Mechanics (Theory of Relativity) Pragati Prakashan, 2000

**M305 Mathematical Logic (Optional)**

**Unit 1. (Marks-16):** Informal statement calculus: Statements and connectives, truth functions and truth-tables, normal forms, adequate sets of connectives, arguments and validity.

**Unit 2. (Marks-16):** Formal statement calculus: Formal definitions of Proof. Theorem and Deduction the formal theory L of statement calculus the deduction theorem and its converse.

**Unit 3. (Marks-16):** Adequacy theorem for  $\mathcal{L}$ : Valuation in L. tautology in L. the Soundness theorem. Extensions of L. consistency of an extension the adequacy theorem of L.

**Unit 4. (Marks-16):** Informal predicate Calculus: Symbolism of predicate calculus. First order language interpretation truth values of well-formed formulas satisfaction



and truth. Formal Predicate Calculus: Predicate Calculus as a formal theory the adequacy theorem of K.

**Unit 5. (Marks-16):** Mathematical Systems: First order systems with equality the theory of groups first order arithmetic formal set theory consistency and models.

**Books recommended:**

1. A.G. Hamilton: Logic for Mathematics
2. Elliot Mendelson: Introduction of Mathematical Logic.

**M401: Graph theory**

**Unit 1. (Marks-20):** Graphs, subgraphs, walk, paths, cycles and components, intersection of graphs, Degrees, Degree sequence. Trees, spanning tree, cycles, cocycles. Cycle space. Cocycle space, connectivity, cut vertices, cut edges, blocks., connectivity parameters, Menger's theorems.

**Unit 2. (Marks-20):** Eulerian and Traversable graphs: Characterization theorems, characterization attempts for Hamiltonian graphs, two necessary and sufficient conditions of a graph to be Hamiltonian, Factorizations, Basic concepts, 1-factorization, 2-factorization, coverings, critical points, and lines.

**Unit 3. (Marks-20) :** Planarity: Subdivision of graph, identification of vertices, plane and planar graph, outer planar graph, Euler's polyhedron formula, Kuratowski's theorems, Genus, thickness, coarseness and crossing number of a graph.

**Unit 4. (Marks-20):** Algebraic graph theory: Adjacency matrix and spectrum of graphs, vertex, partition and the spectrum.

**Books recommended:**

1. Harary: Graph Theory, NAROSA Publishing Co.
2. N. Biggs: Algebraic Graph Theory, CUP

3. Godsil Springer: Algebraic Graph Theory..

### **M402: Numerical Analysis**

**Unit 1. (marks-20): Interpolation formulae:** Newton's forward interpolation formula, Newton's backward interpolation formula, Newton's divided difference interpolation formula, Lagrange's interpolation formula, Gauss forward interpolation formula, Gauss backward interpolation formula, Stirling's formula, Bessel's formula.

**Unit 2. (marks-20): Numerical Differentiation and Integration** Numerical Differentiation and Integration, Simpson's rule, Weddle's central difference formula, quadrature formula, Gauss's quadrature formula, Euler's formula for summation and quadrature.

**Unit 3. (marks-20): Solution of Algebraic and Transcendental Equations:** Numerical Solutions of Algebraic and Transcendental Equations, Solutions by the method of iteration and the Newton-Raphson method, cases of repeated roots.

**Unit 4. Linear Equations: (marks-20):** Direct method for solving systems of linear equations (Gauss Elimination, LU decomposition, Cholesky decomposition), iterative methods (Jacobi, Gauss-Seidel, Relaxation methods).

#### **Books recommended:**

1. Householder A.S.: Principles of Numerical Analysis, McGraw Hill, New York.
2. Jain M.K.: Numerical Analysis for scientists and Engineers, S.Publishers.
3. Kung: Numerical Analysis, McGraw Hill Book Co.
4. Niyogi P. : Numerical Analysis and Algorithms, Tata McGraw Hill
5. Rajaraman V.: Computer Oriented Numerical methods, Prentice Hall of India, New Delhi.

### **M403: Fluid Dynamics**

**(Optional)**

**Unit 1 (Marks-20):** Waves: Long wave and surface wave stationary wave. Energy of the waves. Waves between different media. Group velocity, Dynamical significance of Group velocity. Surface tension and Capillary waves. Effect of Surface tension in water waves.

**Unit 2 (Marks-20):** Viscous fluid motion: Navier-Stokes equation of motion rate of change of vorticity and circulation rate of dissipation of energy. Diffusion of a viscous filament.

**Unit 3 (Marks-20):** Exact solution of Navier Stokes Equation: Flow between plates. Flow through a pipe (circular elliptic). Suddenly accelerated plane wall. Flow near an Oscillating flat plate. Circular motion through cylinders. Stoke's linearization process. Flow past a sphere. Whitehead paradox and Stoke's paradox. Oseen's approximation.

**Unit 4 (Marks-20):** Laminar Boundary Layer Theory: General outline of Boundary layer flow. Boundary layer thickness. Displacement thickness. Energy thickness. Flow along a flat plate at zero incidence . Similarity solution and Blasius solution for flow about a flat plate. Karman's momentum integral equation. Energy integral equation. Pohlhausen solution of momentum integral equation.

**Books recommended:**

1. I.M.Milne Thomson: Theoretical Hydrodynamics: McMillan Company.
2. S.Goldstein Modern development of Fluid Dynamics. Vol-1. Dover publication. New York.
3. G.K.Batchelor: An Introduction to Fluid Dynamics.
4. M. D. Raisighania: Fluid Dynamics: S. Chand.

**M403: Functional Analysis II (Optional)**

**Unit-1. (Marks-10): Vector topologies:** Examples First properties Mazur's and Eidelheit's separation theorems Metrizable vector topologies.

**Unit-2. (Marks-15):**

**The Open Mapping Theorem:** The closed graph Theorem and the uniform Boundedness Principle for F-spaces. Topologies induced by families of functions. Weak and Weak\* topologies. Compactness. Adjoint operator . Projection and complementation.

**Unit-3. (Marks-15): Convexity:** The Hahn- Banach theorem for locally convex spaces. The Banach Alaunglu Theorem for topological vector spaces. Krein-Milman theorem.

**Unit-4. (Marks-15):** Definition of Banach Algebra and Examples Singluar and Non singular elements. The Abstract index. The spectrum of an element. Gelfand Formula. Multiplicative. Linear Function. And the maximal ideal space. Gleason Kahane Zelazko Theorem.

**Unit-5. (Marks-15):** The Gelfand Transforms. The spectral Mapping Theorem. Isometric Gelfand Tranform. Maximal ideal spaces for Dise Algebra and the Algebra.

**Unit-6. (Marks-10):** ( $C^*$  algebras-Definition and Examples, Self Adjoint. Unitary normed positive and projection elements in ( $C^*$ -algebras, Commutative ( $C^*$ -algebras. ( $C^*$ -Homomorphisms. Representation of Commutative ( $C^*$ - algebras. Subalgebras and the spectrum. The spectrum theorem. The Continuous functional Calculus . Positive linear functionals and slates in ( $C^*$ - Algebras, The GNS Construction.

**Books recommended:**

1. Megginson Robert E: An introduction to Banach space theory. Springer verlag.
2. W. Rudin: Functional Analysis Tata McGraw Hills.

**M404: Mathematical statistics**

**Unit1. (marks-16): Probability:** Mathematical and statistical definitions. Discrete Samplespace, Axiomatic approach, Theorems of Total and Compound probability, Repeated Trials, Baye's theorem. Random Variable and its distribution, Mathematical Expectations, Expectation of sum and product of random variables, Expectation of functions of random variables. Distribution of more than one random variables. Tshebysheff's lemma. Weak law of large numbers. Theorems of Markoff and Khintchine, Bernouilli's and Poisson's theorems. Characteristic function. Probability generating unctions, Central limit theorem.

**Unit2. (marks-16):** Binomial distribution, Poisson, distribution, Normal distribution, Hypergeometric distribution, Multinomial distributions, Beta and Gamma distribution, Pearsonia system of vurves, derivation of the differential equations and its solutions yielding curves of types, I,II,III and IV. Bivariate Normal distribution. Regression and Correlation (including Multiple, partial and Interclass correlation)

**Unit3. (marks-16):** Principle of least squares of curve fitting (including orthogonal polynomials).

**Unit4. (marks-16): Theory of sampling:** Random and simple, random sampling, idea of sampling distribution, large sample test, Exact sampling distribution – and T,F,Z and  $\chi^2$ (with derivations) and associated tests of significance.

**Unit5. (marks-16): Estimation:** Requirement of a good estimator, Method of maximum likelihood (including Cramer-Rao inequality)

**Books Recommended:**

1. J.V. Uspensky: An Introduction to Mathematical Probability<sup>3</sup>.
2. Elderton: Correlation and Frequency curves.
3. Ferzen: Modern Probability and its Application.
4. S. C. Gupta and V. K. Kapur: Fundamentals of Mathematical Statistics, Sultan Chand & Sons Publishers (1983)

5. S. C. Gupta and V. K. Kapur: Fundamentals of Applied Statistics, Sultan Chand & Sons Publishers (1983)
6. J. Medhi: Statistical Methods: An Introductory text, New Age Int. Publishers (2006).
7. Daroga Singh and F. S. Chaudhury: Theory and Analysis to Sample survey and designs, Wiley Eastern LTD (1986).

#### **M404: Dynamical systems and Fractal Geometry**

**Unit1. (Marks-10): Nonlinear oscillators**-Conservative system. Hamiltonian system. Various types of Oscillators in nonlinear system. Solutions of nonlinear differential equations.

**Unit2. (Marks-10):** Orbit of a map, fixed point, equilibrium point, periodic point, circular map, configuration space and phase space.  
Origin of bifurcation, Stability of a fixed point, equilibrium point, Concept of limit cycle and torus.

**Unit3. (Marks-10):** Hyperbolicity, Quadratic map. Period doubling phenomenon, Feigenbaum's Universal constant.

**Unit4. (Marks-10):** Turning point, transcritical, pitch fork, Hopfbifurcation.  
Phenemenon of losing stability, Quasiperiodic motion. Topological study of nonlinear differential equations, Poincare map.

**Unit5. (Marks-10):** Randomness of orbits of a dynamical system. Chaos. Starange attractors. Various roots to chaos. Onset mechanism of turbulence.

**Unit6. (Marks-15):** Construction of the middle third Cantor set, Von Koch Curve, Sierpinski gasket, self similar fractals with different similarity ratio, Julia Set, measure and mass distribution. Hausdorff measure, scaling property, effect of general transformations on Hausdorff measure, Hausdorff dimension and its properties, s-sets, calculation of Hausdorff dimension and its properties, s-sets, calculation of Housdorff dimension in simple cases.

**Unit7. (Marks-15):** Unit Measurement of a set at scale  $d$ , box dimension, its equivalent versions, properties of box dimension, box dimension of middle third cantor set and other simple sets, some other definitions of dimension, upper estimate of box dimension, mass distribution principle, generalized cantor set and its dimension.

**Books Recommended:**

1. Robert C. Hilborn: Non linear Dynamics and Chaos
2. D.K. Arrowsmith: Introduction to dynamical systems, Cambridge University press, 1990.
3. Robert L Devany: An introduction to Chaotic Dynamical Systems, Addison-Wesley Publishing Co. Inc.1989
4. M.F. Barnsley: Fractals everywhere, A.P. 1988
5. K.J.Falconer: The Geometry of Fractal sets, Cambridge University Press, 1985

**M405 General Theory of Relativity and Cosmology (Optional)**

**Unit1. (Marks-20):** Geodesics, Derivation of the equation of geodesics, Geodesic co-ordinates, intrinsic derivatives, First Curvature, Parallel transport, parallel vectors. Related theorems of intrinsic derivatives and parallel displacement.

**Unit 2. (Marks-15):** Riemann Christoffel Curvature tensors and their properties, Ricci tensor, Bianchi identities, Einstein tensor Divergence of Einstein tensor, Condition of Flat Space, Riemann Curvature.

**Unit 3. (Marks-15):** Theory of gravitation, principle of covariance and equivalence, geodesic principle, Simple consequences of the principle of equivalence (i) the equality of inertial and gravitational masses(ii) effect of gravitational potential on the rate of a clock, (iii) The clock paradox, the energy momentum tensor, Energy momentum tensor in case of a perfect fluid, conservation of energy and Momentum.

**Unit 4. (Marks-15):** The gravitational fluid in empty space in presence of matter and energy. Newtonian equation of motion as an approximation of geodesic equations, . Poisson's equation as an approximation of Einstein field equation, Schwarzschild exterior solution and its isotropic form, planetary orbits and analogues of Kepler's laws in general relativity. Relation between  $M$  and  $m$ , Isotropic co-ordinates. The three crucial tests (i) The advance of perihelion (ii) Bending of light rays in a gravitational field (iii) Gravitational red-shift in spectral lines. Schwarzschild interior solutions., Boundary conditions.

**Unit 5. (Marks-15):** Cosmology, Mach principle, Einstein modified field equations with cosmological term, Static cosmological models of Einstein and de-sitter, their derivations, properties and comparison with the actual universe. Hubble's Law, cosmological principles, Weyl's postulates. Non-static cosmological models. Derivation of Robertson-Walker metric, Redshift, Redshift versus distance relation Angular size versus red: shift relation and source counts in R.W space time.

**Books Recommended:**

1. A.S. Eddington: The Mathematical Theory of Relativity, Cambridge University Press-1965.
2. B.F. Schutz: A First course in general relativity, Cambridge University Press, 1990.
3. C.Moller: The Theory of Relativity.
4. G.,E. Weatherburn: An Introduction to Riemannian Geometry and Tensor Calculus, Cambridge University Press, 1950.

**M 405: Fuzzy Sets and their application (Optional)**

**Unit 1. (Marks-10):** Fuzzy sets: Basic Definitions.  $\alpha$ -level sets. Convex fuzzy sets. Basic operations on Fuzzy sets. Types of Fuzzy sets. Cartesian products. Algebraic products Bounded sum and difference. T-conorms.

**Unit-2. (Marks-10):** Extension Principle: the Zadeh extension principle Image and inverse image of fuzzy sets. Fuzzy numbers. Elements of Fuzzy Arithmetic.



**Unit-3. (Marks-10):** Fuzzy relations and Fuzzy Graphs: Fuzzy relations and fuzzy sets. Composition of Fuzzy relations. Min-max composition and its properties. Fuzzy equivalence relations. Fuzzy compatibility relations. Fuzzy relation equations. Fuzzy graphs, Similarity relation.

**Unit-4. (Marks-10):** Possibility Theory: Fuzzy measures. Evidence theory. Necessity measure. Probability measure. Possibility distribution. Possibility theory and fuzzy sets. Possibility theory versus probability theory.

**Unit-5. (Marks-10):** Fuzzy Logic: An overview of classical logic. Multivalued logic. Fuzzy propositions. Fuzzy quantifiers. Linguistic variable and hedges. Inference from conditional fuzzy propositions, the compositional rule of inference. Application in Civil, Mechanical and Industrial Engineering.

**Unit-6. (Marks-10):** Approximate reasoning: An overview of fuzzy expert system . Fuzzy implications and their selection. Multiconditional approximate reasoning. The role of fuzzy relation equation.

**Unit-7. (Marks-10):** Introduction to fuzzy control: Fuzzy controllers. Fuzzy rule base. Fuzzy inference engine. Fuzzification. Defuzzification and the various Defuzzification methods (the centre of area, the centre of maxima and the mean of maxima methods). Introduction of Fuzzy Neural Network, Autometa and Dynamical Systems.

**Unit-8. (Marks-10):** Decision making in Fuzzy environment: Individual decision making. Multiperson decision making. Multicriteria decision making. Multi stage decision making. Fuzzy ranking methods. Fuzzy linear programming . Application in Medicine and Economics.

**Books Recommended:**

1. G.J.Klir and B. Yuan: Fuzzy sets and Fuzzy Logic, Theory and Applications, Prentice Hall of India, 1995.

2. H.J.Zimmermann: Fuzzy set theory and its application, Allied Publishers Ltd. 1991.

Enclosure: II (Academic Planner)

**ACADEMIC CALENDAR**  
**Gauhati University Institute of Distance and Open Learning**  
**Guwahati- 781014, Assam**

<b>ADMISSION</b>			
<b>SEMESTER (TRADITIONAL PROGRAMME)</b>			
A	1	Fresh	July-September
	2	Continuation	July-September
<b>SEMESTER (IT PROGRAMMES)</b>			
B	1	Fresh	July-September
	2	Continuation	Odd Semester (July-September)
			Even Semester (January-February)
<b>ADMISSION TEST FOR M.Sc. IT PROGRAMME</b>			
C	August		
<b>ANNUAL PROGRAMMES</b>			
D	1	Fresh	July-September
	2	Continuation	July-September
<b>DISTRIBUTION OF SLM</b>			
<b>SEMESTER/ANNUAL (TRADITIONAL PROGRAMMES)</b>			
A	1	Fresh	July-October
	2	Continuation	July-October
<b>SEMESTER (IT PROGRAMMES)</b>			
B	1	Odd Semester	July-October
	2	Even Semester	Jan-March
<b>CONTACT CLASSES</b>			
<b>SEMESTER (TRADITIONAL PROGRAMMES)</b>			
A	1	Odd Semester	September-December
	2	Even Semester	March-June
<b>SEMESTER (IT PROGRAMMES)</b>			
B	1	Odd Semester	September-December
	2	Even Semester	March-June
<b>ANNUAL PROGRAMME</b>			
C	1	Previous	December-May
	2	Final	December-May
<b>EXAMINATION : TERM END</b>			
<b>SEMESTER (TRADITIONAL/IT)</b>			
A	1	Previous	July-August (All Sundays)
	2	Final	July-August (All Sundays)
<b>ANNUAL</b>			
August-September (All Sundays)			
B	<i>Schedule may change as per directive of the controller of Examination, GU/Govt. of Assam</i>		

<b>EXAMINATION: Sessional (OMR based Internal Examination)</b>			
A	<b>SEMESTER (TRADITIOAN/IT)</b>		
	1	Odd Semester	November
	2	Even Semester	May
<b>ANNUAL</b>			
January			
<b>DECLARATION OF RESULT (Term End)</b>			
<b>SEMESTER (TRADITIONAL/IT)</b>			
A	1	Odd Semester	May-June
	2	Even Semester	November-December
B	<b>ANNUAL</b>		
	Januray		

**ENCLOSURE-III**  
**SLM covering syllabus**

<b>SEMESTER I</b>	
PAPER M101	Real and Lebesgue Measure
PAPER M102	Topology
PAPER M103	Algebra
PAPER M104	Differential Equation
PAPER M105	Tensors and Mechanics
<b>SEMESTER II</b>	
PAPER M201	Complex Analysis
PAPER M202	Functional Analysis
PAPER M203	Hydrodynamics
PAPER M204	Mathematical Methods
PAPER M205	Operation Research
<b>SEMESTER III</b>	
PAPER M301	Computer Programming in C (theory and Practical)
PAPER M302	Number Theory
PAPER M303	Continuum Mechanics
PAPER M304A	Algebra II
PAPER M304B	Space Dynamics
PAPER M305A	Special Theory of Relativity
PAPER M305B	Mechanical Logic
<b>SEMESTER IV</b>	
PAPER M401	Graph Theory
PAPER M402	Numerical Analysis
PAPER M403A	Functional Analysis II
PAPER M403B	Fluid Dynamics
PAPER M404A	Mathematical Statistics
PAPER M404B	Dynamical System
PAPER M405A	Fuzzy sets and their applications
PAPER M405B	General Theory of Relativity and Cosmology

**GAUHATI UNIVERSITY  
INSTITUTE OF DISTANCE AND OPEN LEARNING**

**Programme Project Report (PPR)**

PPR ID : GU/GUIDOL/PPR/01 (Total no. pages : 25 )

**Programme: Masters of Arts (M.A.) in Assamese**

**1. Programme mission and objective:**

The mission of the Programme is "to give a comprehensive idea of the Language, Literature and Culture in general and Assamese in particular."

***Objectives of the Programme:***

- To build up an ability for critical and analytical understanding about the formation and development of the rich heritage of Assamese Language, Literature and Culture.
- To enhance knowledge about the recent developments and trends in the field of Language, Literature and Culture.
- To enable learners to explore various dimensions of language and culture of various tribes of North East India.
- To create an ability for critical and analytical understanding of different spoken language form of Assamese Language.
- To develop a conceptual understanding of literature with the study of Indian and Foreign literature.

**2. Relevance of the programme with HEI's mission and goals:**

Gauhati University was established in 1948 with a mission to revitalize educational leadership, to set the standard for the production and dissemination of knowledge as well as to become an effective instrument of change in the society. With this aim in view, the Department of Assamese was established in 1948 and has set up, over the years, a close association with various formal and informal organizations.

Keeping in view the motto of "Quality Higher Education For All", Masters of Arts in Assamese to be offered through ODL mode is very much relevant to the HEI's mission and goals as it aims to provide quality higher education to those aspiring candidates who are deprived of higher education due to the limited number of intake in the conventional



mode of education in the Universities. Moreover, to keep the quality intact the curriculum and syllabus has been designed at par with the conventional mode keeping in mind the specific needs and acceptability of the learners in the ODL mode and in keeping with the aims and objectives of the parent department.

**3. Nature and target group of learners:**

- 1) those deprived of admission in the parent Department of regular mode due to limited intake capacity.
- 2) those employed in various organizations who desire to pursue higher education as a passion or as a means for movement up the promotional ladder
- 3) drop outs primarily due to social, financial and economic compulsions as well as demographic factors.
- 4) job seekers.
- 5) lifelong learners

Gauhati University also has a provision in the ODL mode for lateral entry for those who had to discontinue the regular programme after successful completion of the first two semesters due to unavoidable reasons. Acceptability of the lateral entry provision is an indicator of parity of the courses in regular and ODL mode. The curriculum is designed to enable learners to fulfill their aims and objectives in a manner they deem fit and proper. The curriculum is designed by a committee comprising of experts from the parent department of the HEI, IDOL and external experts, keeping in view the needs of the diverse groups of learners.

**4. Appropriateness of the programme to be conducted in the ODL mode for acquiring specific skills and competence-**

The PG programme in Assamese to be offered through ODL mode will have certain learning outcomes. This programme will help the learners-

- To develop conceptual and analytical knowledge of Assamese language, literature and culture.
- To achieve an expertise in literary analysis and criticism.
- To gain a comprehensive knowledge of world literature with the help of Comparative Literature and Translation Studies.

- To enhance and develop their knowledge and skill of the theoretical and practical foundations of creative writing.
- To gain knowledge about belief, tradition, folk of various ethnic group (tribes) in North East India.

## 5. Instructional Design:

- Curriculum Design:** The curriculum is designed by a committee comprising experts from the parent department of the HEI and IDOL, keeping in view the needs of the diverse groups of learners.
- Detailed Syllabus:** File containing detailed syllabus is attached.
- Duration of the Program:** Minimum 2 (two) years. However, the learners are required to complete the programme within 4 (four) years from the date of admission.
- Instructional Delivery Mechanism:** The programme will be delivered in 4 (four) semesters having 5 (five) course/paper in each semesters and also with the opportunity to choose optional courses offered. The learners will be provided with the printed SLM which covers almost all the contents in the syllabus (*enclosure-III*). Counseling class will be held in headquarter and various affiliated study centres. Telephonic Counseling and providing online learning resource will also be a part of instructional Delivery mechanism. The progress of the learners will be evaluated by Internal Assessment and term end/semester end examination.
- Faculty:**
  1. Dr. Taranee Deka,  
Professor & Head, Department of Assamese and Programme Co-ordinator
  2. Dr. Apurba Kr. Deka, Assistant Professor
  3. Resource persons drawn from amongst teachers of affiliated colleges, researchers and faculties of the Department of HEI.
- Media:** Print Media, ICT based content, content delivered through e-learning portal
- Student Support Service:** In order to successfully execute the programme, a wide range of support services are provided to the ODL learners. The various support services are listed as below-



- i) **Network of Study Centres:** To assist its learner IDOL has established 96 study centres throughout the State of Assam but within the territorial jurisdiction of Gauhati University.
- ii) **Library** with around 7 thousand collections of materials which includes books, journals, magazines, CD and DVDs.
- iii) **E- Learning Portal:** [www.bodhidroom.guidol.in](http://www.bodhidroom.guidol.in) the first of its kind in the entire North east region of India. Which provides the following services to the students:
- Online enrolment of students
  - Independent Discussion Forum for every course
  - Independent News Forum for every course
  - Online interaction facility with faculty members
  - Online interaction between the students making the scope of collaborative learning
  - Interaction through chatting of all users of all courses who are online.
  - Separate Chat Room for individual course
  - **Message My Teacher:** When a student logs in to Bodhidroom, after enrolling himself/herself to a course, he/she will see the names of the virtual class teachers. Student can directly send offline messages to the teachers. When the teacher is logged on, he will receive an alert of incoming messages. Then he can reply to the message.
  - Online Study Material
  - Old Examination Question Papers
- iv) **Dynamic Website** [www.idolgu.in](http://www.idolgu.in) : Gauhati University has a dedicated dynamic website for ODL learners where one can get all the information regarding its programmes, up-coming events, examination results etc.
- v) **Computerised admission process with provision of online admissions:** The whole system of admissions and examinations are managed using professional software which gives instant online access to learners through [www.idolgu.in](http://www.idolgu.in).
- vi) **Flexible Walk in Group Counselling (FWGC):** Regular group and individual counselling will be held in the IDOL (headquarter) complex as well as in the

parent department during all working days. Learners may walk-in to the designated IDOL counselling room and meet their teachers to clarify their doubts.

vii) **Personal Contact Programme (PCP):** In addition to the Study Materials, useful Personal Contact Programmes will be held at various affiliated study centres, which will enable the students to clarify their confusions and ease their difficulty while going through it. Qualified faculty members of affiliated study centres will help out the attending students by providing necessary tips and Guidelines during the interactive sessions. These sessions are also meant to give the students a chance to meet the teachers personally and discuss their problems.

viii) **Community FM Radio:** Gauhati University has its own Community radio station named as “Radio Luit 90.8 FM” and operates daily from 8AM to 8PM. The Community Radio station shall be extensively used to broadcast radio talks on various courses daily. The broadcast contents are designed as per the requirements by teaching staff of both the ODL Institute as well as the parent department. Experts are outsourced if the need arises.

## 6. **Procedure for Admissions, Curriculum transaction and Evaluation-**

- **Admission-** The admission process starts from August and ends by the end of September every year. The learner can go for either offline or online admission process. The minimum eligibility for MA in Assamese is any graduate from any recognized Indian or Foreign university. The proposed fees for admission is Rs 7000.00 (Seven Thousand only) per year. Financial Assistance is provided to the candidates belonging to the SC/ST and OBC categories in the form of scholarship. Few learners belonging to the economically deprived section as well as the physically challenged category are provided free ship on the recommendation of the Vice Chancellor.
- **Curriculum transaction-** The curriculum shall be transacted throughout the year as per the *Activity Planner* which is enclosed as an annexure
- **Evaluation-** Each course/paper shall carry 80% weightage for the term-end examinations and 20% for internal evaluation in the form of Home Assignments/internal examinations. In order to pass/clear a course/paper in a subject, a candidate must secure minimum 35% Marks in each course/paper. All examinations

are conducted by the Controller of Examinations as per examination Rules and Regulations of the Gauhati University.

7. **Library Resource:** The University has a State of the Art Central Library with rich collections of materials which includes books, journals, magazines, CD and DVDs, and is accessible to the ODL learners as well. Moreover, the Institute has its own Library where various books, journals and magazines related to commerce education are available.
8. **Estimated cost of the Programme:** Total estimated cost of the programme is approximately Rs. 65 Lakhs which includes preparation and printing of SLMs, remuneration of the Resource persons, establishment cost and overheads. The estimate is evaluated considering the unit expenses of Rs.2.5 Lakhs per paper /1000 students for the entire duration of two years.

9. **Quality assurance Mechanism and Expected Programme outcome:**

- **Quality assurance Mechanism** :The institute has a *Centre for Internal Quality Assurance (CIQA)* constituted by the statutory body of the HEI. Members of the Cell are drawn from among the Deans of the different Faculty, Heads of the respective departments, Executive Council members, administrative staff and teaching staff of the institute. The Internal Quality Assurance Cell shall review the relevance and standard of the programme from time to time and make necessary changes in the syllabus and contents of the programme. The HEI shall continuously monitor the effectiveness of the programme through *CIQA* and other statutory bodies.
- **Expected Programme outcome:** The expected programme outcome is reflected in the Course Benchmark Statement, which is stated as below-

**Course Benchmark Statement:** Master's degree in the Assamese shall be awarded to those learners who demonstrate:

- critical and analytical understanding of Assamese language, literature and culture.
- knowledge and skill of the theoretical and practical foundations of creative writing.
- competency in the domain of literary criticism and analysis
- ability for critical and analytical understanding of different spoken language forms of Assamese.
- professional competency in the relevant field.

## Enclosure-I (Detail Syllabus)

দূৰ আৰু মুক্ত শিক্ষা প্ৰতিষ্ঠান  
গুৱাহাটী বিশ্ববিদ্যালয়

স্নাতকোত্তৰ পাঠ্যক্রম  
বিষয় : অসমীয়া

অসমীয়া বিষয়ৰ স্নাতকোত্তৰ পাঠ্যক্রম চাৰিটা যান্মাসিকত সম্পন্ন হ'ব। প্ৰত্যেকটো যান্মাসিকত পাঁচোটাকৈ পাঠ্যবিষয় (Course) থাকিব। প্ৰথম আৰু দ্বিতীয় যান্মাসিকৰ আটাইকেইটা পাঠ্যবিষয় আৰু তৃতীয় যান্মাসিকৰ প্ৰথম চাৰিটা পাঠ্যবিষয় উমৈহতীয়া। সকলো বিদ্যার্থীয়ে এই পাঠ্যবিষয়সমূহ অধ্যয়ন কৰিব লাগিব। তৃতীয় যান্মাসিকৰ পঞ্চম পাঠ্যবিষয়টো আৰু চতুৰ্থ যান্মাসিকৰ আটাইকেইটা পাঠ্যবিষয় দুটা শাখাত বিভক্ত হ'ব — সাহিত্য শাখা (ক) আৰু ভাষা শাখা (খ)। বিদ্যার্থীসকলে যিকোনো এটা শাখাৰ পাঠ্যবিষয় অধ্যয়ন কৰিব লাগিব।

সমগ্ৰ পাঠ্যক্রমৰ সৰ্বমুঠ নম্বৰ : ১৬০০। প্ৰতিটো পাঠ্যবিষয়ৰ বাবে মুঠ নম্বৰ থাকিব: ৮০। পাঠ্যবিষয়সমূহৰ মূল্যায়ন দুই ধৰণে হ'ব - আভ্যন্তৰীণ আৰু মূল পৰীক্ষা। দুয়োটা শিতানত নম্বৰ থাকিব এনেধৰণে —

আভ্যন্তৰীণ : ১৬ (মুঠ নম্বৰৰ ২০ শতাংশ)।

মূল পৰীক্ষা : ৬৪ (মুঠ নম্বৰৰ ৮০ শতাংশ)।

মূল পৰীক্ষাত বৰ্ণনাধৰ্মী আৰু চমু প্ৰশ্ন অথবা চমু টোকা — এই দুই ধৰণৰ প্ৰশ্ন থাকিব। দুয়ো প্ৰকাৰৰ প্ৰশ্নৰ বাবে নম্বৰৰ গঠন তলত দিয়া ধৰণৰ :

বৰ্ণনাধৰ্মী প্ৰশ্ন : ৪৮।

চমু প্ৰশ্ন / চমু টোকা : ১৬।

এই পাঠ্যক্রমৰ মূল্যায়ন 'স্বীকৃতি আৰু সন্মান' পদ্ধতি (Credit and Grading System)- ৰে সম্পন্ন হ'ব। প্ৰতিটো পাঠ্যবিষয়ৰ স্বীকৃতি মূল্য ((Credit Point) হ'ল ৮।

যান্মাসিক অনুসৰি এই পাঠ্যক্রম তলত দিয়া ধৰণৰ —

প্ৰথম যান্মাসিক

পাঠ্যবিষয়	১.১	অসমীয়া সাহিত্যৰ বুৰঞ্জী (আদি আৰু মধ্যযুগ)
পাঠ্যবিষয়	১.২	অসমীয়া কবিতা
পাঠ্যবিষয়	১.৩	প্ৰাচ্য সাহিত্য সমালোচনা
পাঠ্যবিষয়	১.৪	অসমৰ সংস্কৃতি
পাঠ্যবিষয়	১.৫	ভাষাবিজ্ঞানৰ সাধাৰণ পৰিচয়

### দ্বিতীয় যান্মাসিক

পাঠ্যবিষয়	২.১	অসমীয়া সাহিত্যৰ বুৰঞ্জী (আধুনিক যুগ)
পাঠ্যবিষয়	২.২	অসমীয়া নাটক
পাঠ্যবিষয়	২.৩	পাশ্চাত্য সাহিত্য সমালোচনা
পাঠ্যবিষয়	২.৪	সাহিত্যৰ তত্ত্ব আৰু ধাৰা
পাঠ্যবিষয়	২.৫	সংস্কৃত সাহিত্যৰ বুৰঞ্জী

### তৃতীয় যান্মাসিক

পাঠ্যবিষয়	৩.১	অসমীয়া গদ্য
পাঠ্যবিষয়	৩.২	অসমীয়া উপন্যাস
পাঠ্যবিষয়	৩.৩	অসমীয়া চুটিগল্প
পাঠ্যবিষয়	৩.৪	লিপি আৰু পাঠ-সমীক্ষা
পাঠ্যবিষয়	৩.৫ (ক)	তুলনাত্মক সাহিত্য আৰু অনুবাদ প্ৰসঙ্গ
	৩.৫ (খ)	ভাষাবিজ্ঞান আৰু ইয়াৰ অধ্যয়ন ক্ষেত্ৰ

### চতুৰ্থ যান্মাসিক

পাঠ্যবিষয়	৪-১ (ক)	ভক্তি সাহিত্য
	৪-১ (খ)	মধ্যভাৰতীয় আৰ্যভাষাৰ পাঠ
পাঠ্যবিষয়	৪-২ (ক)	সংস্কৃত সাহিত্য
	৪-২ (খ)	ভাৰতীয় আৰ্যভাষাৰ তুলনামূলক ব্যাকৰণ

পাঠ্যবিষয়	৪-৩ (ক) পাশ্চাত্য সাহিত্য
	৪-৩ (খ) অসমীয়া ভাষাৰ ঐতিহাসিক বিকাশ আৰু ইয়াৰ সাম্প্ৰতিক গাঁথনি
পাঠ্যবিষয়	৪-৪ (ক) ভাৰতীয় সাহিত্য অধ্যয়ন
	৪-৪ (খ) সমাজ-ভাষাবিজ্ঞান, উপভাষা-বিজ্ঞান আৰু অসমীয়া ভাষাৰ উপভাষা
পাঠ্যবিষয়	৪-৫ (ক) বিশেষ লিখকৰ নিৰ্বাচিত ৰচনা
	৪-৫ (খ) অসমৰ তিব্বত-বৰ্মীয় ভাষা আৰু ভাষাতত্ত্ব

শংকৰোত্তৰ সাহিত্যত নতুন ৰূপৰ অভ্যুদয়  
বুৰঞ্জী সাহিত্য, চৰিত পুথি, ব্যৱহাৰিক সাহিত্য

## সবিশেষ পাঠ্যক্রম

### প্ৰথম বান্ধাসিক

পাঠ্যবিষয় ১.১

#### অসমীয়া সাহিত্যৰ বুৰঞ্জী (আদি আৰু মধ্যযুগ)

- গোট ১ : আদিযুগৰ অসমীয়া সাহিত্য  
লোক-সাহিত্য বা মৌখিক সাহিত্য  
অসমীয়া লিখিত সাহিত্যৰ ফেঁছজালি : চৰ্যাপদ আৰু মিশ্ৰ-অসমীয়া সাহিত্য
- গোট ২ : প্ৰাক-শংকৰী যুগৰ অসমীয়া সাহিত্য  
মাধৱ কন্দলী আৰু সমকালীন অসমীয়া সাহিত্য  
হৰিবৰ বিপ্ৰ, কবিৰত্ন সবস্বতী, হেম সবস্বতী, ৰুদ্ৰ কন্দলী
- গোট ৩ : শংকৰী যুগৰ অসমীয়া সাহিত্য  
শঙ্কৰী যুগৰ অসমীয়া সাহিত্যৰ পটভূমি  
শঙ্কৰী যুগৰ অসমীয়া সাহিত্যৰ বৈশিষ্ট্য  
শঙ্কৰী যুগৰ অসমীয়া সাহিত্যৰ ধাৰা আৰু প্ৰকাৰ  
পাঁচালী সাহিত্য
- গোট ৪ : শংকৰোত্তৰ অসমীয়া সাহিত্য  
ৰাজপৃষ্ঠপোষকতাত শংকৰোত্তৰ অসমীয়া সাহিত্য

### প্ৰসংগ পুথিঃ

- ১) Aspect of Early Assamese Literature : (Ed.) Banikanta Kakati
- ২) Studies in the Literature of Assam : S. K. Bhuyan
- ৩) New Light on the History of Assamese Literature : D. Neog
- ৪) History of Assamese Literature : B. K. Baruah
- ৫) Assamese Literature : Hem Baruah
- ৬) অসমীয়া সাহিত্যৰ বুৰঞ্জী : ডিম্বেশ্বৰ নেওগ
- ৭) অসমীয়া সাহিত্যৰ ৰূপৰেখা : মহেশ্বৰ নেওগ
- ৮) গুৰু চৰিতৰ ইতিকথা : মহেশ্বৰ নেওগ
- ৯) অসমীয়া সাহিত্যৰ সমীক্ষাত্মক ইতিবৃত্ত : সত্যেন্দ্ৰনাথ শৰ্মা
- ১০) অসমীয়া সাহিত্যৰ বুৰঞ্জী (দ্বিতীয় খণ্ড) : (সম্পাদ) শিৱনাথ বৰ্মন
- ১১) অসমীয়া সাহিত্যৰ বুৰঞ্জী (ষষ্ঠ খণ্ড) : (সম্পাদ) হোমেন বৰগোহাঞি
- ১২) বুৰঞ্জী সাহিত্য : লীলা গগৈ
- ১৩) চৰ্যাপদ : পৰীক্ষিত হাজৰিকা
- ১৪) অসমীয়া সাহিত্যৰ সুবাস : পৰীক্ষিত হাজৰিকা
- ১৫) শংকৰদেৱৰ অধ্যয়ন প্ৰসংগ : কেশৱানন্দ দেৱগোস্বামী
- ১৬) মাধৱদেৱৰ সাহিত্য : (সম্পাদ) ভৱপ্ৰসাদ চলিহা
- ১৭) শংকৰদেৱৰ শিল্পলোক : প্ৰদীপজ্যোতি মহন্ত
- ১৮) ৰাজপৃষ্ঠপোষকতাত অসমীয়া সাহিত্য : পৰমানন্দ ৰাজবংশী

পাঠ্যবিষয় ১.২

### অসমীয়া কবিতা

- গোট ১ : পুৰণি অসমীয়া কবিতা  
চৰ্যাপদ (চৰ্যা নং ১ আৰু ৬)  
লোকগীত : ক) আৰে দস্তাল হাতীৰ মাছত বে, খ) গুৰু মোকে  
দয়া নাচাৰিবা,  
মাধৱ কন্দলীৰ ৰামায়ণ : সুন্দৰাকাণ্ডৰ হনুমন্তৰ লংকা দৰ্শন
- গোট ২ : ভক্তি জাগৰণৰ কবিতা

বৰগীত : ক) শংকৰদেৱ - নাৰায়ণ কহে ভকতি কৰা তেৰা, খ)  
মাধৱদেৱ - আলো মই কি কহৰ দুখ,  
শংকৰদেৱঃ কীৰ্তনঘোষা (শিশুশ্ৰীলা খণ্ড)  
মাধৱদেৱ : নামঘোষা (ঘোষা : ১ - ৪১)

গোট ৩ : **ৰোমাণ্টিক অসমীয়া কবিতা**  
চন্দ্ৰকুমাৰ আগৰৱালাৰ 'বীণ-ব'ৰাগী'  
ৰঘুনাথ চৌধুৰীৰ 'দহিকতৰা'  
অম্বিকাগিৰি ৰায়চৌধুৰীৰ 'মই বিপ্লৱী মই তাণ্ডৱী'  
দেৱকান্ত বৰুৱাৰ 'অসার্থক'

গোট ৪ : **আধুনিক অসমীয়া কবিতা**  
হেম বৰুৱাৰ 'পোহৰতকৈ এন্ধাৰ ভাল'  
নৱকান্ত বৰুৱাৰ 'ইয়াত নদী আছিল'  
নিৰ্মলপ্ৰভা বৰদলৈৰ 'মৰ্মাস্তিক'  
নীলমণি ফুকনৰ 'সপোনতো তেওঁ মোক খেদি ফুৰিছিল'

অনুমোদিত পাঠ্যপুথি :

- ১) ৰামায়ণ : মাধৱ কন্দলী
- ২) চৰ্যাপদ : (সম্পাঃ)পৰীক্ষিত হাজৰিকা
- ৩) শ্ৰীকৃষ্ণকীৰ্তন : (সম্পাঃ) লীলাৱতী শইকীয়া বৰা
- ৪) অসমীয়া লোকগীতি সঞ্চয়ন : (সম্পাঃ) হেমন্ত কুমাৰ শৰ্মা
- ৫) বৰগীত : (সম্পাঃ) বাপচন্দ্ৰ মহন্ত
- ৬) কীৰ্তন ঘোষা আৰু নামঘোষা : (সম্পাঃ) মহেশ্বৰ নেওগ
- ৭) সঞ্চয়ন : (সম্পাঃ) মহেশ্বৰ নেওগ

প্ৰসংগ পুথি :

- ১) Aspect of Early Assamese Literature : (Ed.) Banikanta Kakati
- ২) Essays on Sankaradeva : (Ed.) Ranjit Kumar Dev Goswami
- ৩) চৰ্যাগীতি-কোষ : (সম্পাঃ) নীলৰতন সেন
- ৪) পুৰণি অসমীয়া সাহিত্য : বাণীকান্ত কাকতি
- ৫) অসমীয়া কাহিনী কাব্যৰ প্ৰবাহ : সত্যেন্দ্ৰনাথ শৰ্মা
- ৬) অসমৰ বৈষ্ণৱ সাহিত্য আৰু দৰ্শন : অনিমা দত্ত
- ৭) গোৱালপৰীয়া লোকগীতি সঞ্চয়ন : বীৰেন্দ্ৰনাথ দত্ত

- ৮) ৰামায়ণৰ ইতিবৃত্ত : সত্যেন্দ্ৰনাথ শৰ্মা
- ৯) অসমীয়া কবিতাৰ কাহিনী : ভৱানন্দ দত্ত
- ১০) কবিতাৰ কথা : নলিনীধৰ ভট্টাচাৰ্য
- ১১) আধুনিক অসমীয়া কবিতা : চন্দ্ৰ কটকী
- ১২) নতুন কবিতা আৰু প্ৰকৃতি : নিৰ্মলপ্ৰভা বৰদলৈ
- ১৩) সৃজন আৰু মনন : ইমদাদ উল্লাহ
- ১৪) সাহিত্যৰ সত্য : হীৰেণ গোঁহাই
- ১৫) অসমীয়া কবিতাৰ প্ৰবাহ (খণ্ড ২) : কবীন ফুকন
- ১৬) অসমীয়া কবিতা : কৰবী ডেকা হাজৰিকা
- ১৭) চন্দ্ৰকুমাৰ আগৰৱালা : কবীন ফুকন
- ১৭) চন্দ্ৰকুমাৰৰ কবিতা সমগ্ৰ : (সম্পাঃ) নগেন শইকীয়া
- ১৮) যোৱা শতিকাৰ কবিতাঃ অসমীয়া নৱন্যাসী সাহিত্যৰ পৰম্পৰা : দিলীপ বৰুৱা
- ১৯) অসমীয়া কবিতাঃ ৰূপান্তৰৰ পৰ্ব : ভবেন বৰুৱা
- ২০) ৰোমাণ্টিক কবিতা আৰু কাব্য বিচাৰ : বসন্ত শৰ্মা
- ২১) আধুনিক অসমীয়া কবিতাত প্ৰতীক আৰু চিত্ৰকল্প : লোপা ডেকা বৰুৱা
- ২২) আধুনিক অসমীয়া কবিতা : কামালুদ্দিন আহমেদ
- ২৩) গোৱালপৰীয়া লোক-সাহিত্যত দৃষ্টিপাত : দ্বিজেন নাথ

পাঠ্যবিষয় ১.৩

প্ৰাচ্য সমালোচনা

গোট ১ : প্ৰাচ্য সমালোচনাৰ ইতিহাস/ধাৰা  
সাহিত্যৰ স্বৰূপ  
সাহিত্যৰ গুণ আৰু দোষ  
শব্দ শক্তি

গোট ২ : ধ্বনিবাদ  
বত্ৰেগঞ্জিবাদ  
ৰসবাদ  
ৰীতিবাদ  
ঔচিত্যবাদ

### প্ৰসংগ গ্ৰন্থ :

- ১) নন্দন-তত্ত্ব : প্ৰাচ্য আৰু পাশ্চাত্য : ত্ৰৈলোক্যনাথ গোস্বামী
- ২) ধ্বনি আৰু বসতত্ত্ব : মুকুন্দ মাধৱ শৰ্মা
- ৩) সাহিত্য বিদ্যা পৰিক্ৰমা : তীৰ্থনাথ শৰ্মা
- ৪) সাহিত্য দৰ্শন : মনোৰঞ্জন শাস্ত্ৰী
- ৫) যুক্তি আৰু সৃষ্টি : হীৰেণ গৌহাই
- ৬) সাহিত্য আৰু সংজ্ঞা : প্ৰফুল্ল কটকী
- ৬) সংস্কৃত সমালোচনা শাস্ত্ৰৰ বিৱৰ্ত্তন আৰু ধাৰা : নৰেন্দ্ৰ নাথ শৰ্মা

### পাঠ্যবিষয় ১.৪

#### অসমৰ সংস্কৃতি

- গোট ১ :** সংস্কৃতিৰ সংজ্ঞা আৰু পৰিসৰ :  
সংস্কৃতি আৰু ইয়াৰ বৈশিষ্ট্য  
সংস্কৃতিৰ ৰূপ আৰু ইয়াৰ সংযুতি
- গোট ২ :** অসমৰ মানুহ আৰু তেওঁলোকৰ সংস্কৃতি :  
অসমৰ জনজাতি আৰু তেওঁলোকৰ সংস্কৃতি  
অসমৰ জাতি আৰু তেওঁলোকৰ সংস্কৃতি  
অসমৰ অন্যান্য জনগোষ্ঠী আৰু তেওঁলোকৰ সংস্কৃতি
- গোট ৩ :** অসমৰ পৰম্পৰাগত কলা :  
অসমৰ ভৌতিক কলা  
অসমৰ স্থাপত্য আৰু ভাস্কৰ্য  
অসমৰ চাৰু আৰু কাৰুকলা (সাঁচিপতীয়া পুথি, চিত্ৰ কলা আদি)  
অসমৰ পৰিৱেশ্য কলা (লোকনৃত্য, নৃত্য-গীত-বাদ্য আদি)
- গোট ৪ :** অসমৰ লোক-জীৱন :  
অসমৰ ধৰ্মীয় পৰম্পৰা  
অসমৰ লোকাচাৰ, লোক-বিশ্বাস আৰু লোক-চিকিৎসা  
অসমৰ লোক-উৎসৱ আৰু পৰম্পৰাগত খেল-ধেমালি

### প্ৰসংগ পুথি :

- ১) Cultural Anthropology: M. J. Herskovits
- ২) Background of Assamese Culture: Rajmohan Nath
- ৩) History and Civilization of the People of Assam: P. C. Choudhury
- ৪) Bihu: Springtime Festival of Assam: Prafulla Dutta Goswami
- ৪) The Sankaradeva Movement: Its Cultural Horizon: Pradip Jyoti Mahanta
- ৫) অসমৰ লোকসংস্কৃতি : বিৰিঞ্চি কুমাৰ বৰুৱা
- ৬) উৎসৱৰ ভোগজৰা : অতুল চন্দ্ৰ হাজৰিকা
- ৭) বাণীকান্ত ৰচনাৱলী : (সম্পাঃ) মহেশ্বৰ নেওগ
- ৮) পবিত্ৰ অসম : মহেশ্বৰ নেওগ
- ৯) অসমৰ লোকসংস্কৃতি : নিৰ্মলপ্ৰভা বৰদলৈ
- ১০) অসমৰ সংস্কৃতি : (সম্পাঃ) হৰিপ্ৰসাদ নেওগ আৰু লীলা গগৈ
- ১১) সত্ৰ-সংস্কৃতিৰ ৰূপৰেখা : কেশৱানন্দ দেৱগোস্বামী
- ১২) অসমৰ লোক-উৎসৱ : প্ৰমোদ চন্দ্ৰ ভট্টাচাৰ্য
- ১৩) অসমৰ সাংস্কৃতিক ইতিহাস (১ম আৰু ২য় খণ্ড) : (সম্পাঃ) নবীন চন্দ্ৰ শৰ্মা
- ১৪) অসমৰ লোক-সাহিত্যৰ আভাস : নবীন চন্দ্ৰ শৰ্মা
- ১৫) লোক-কল্প-দৃষ্টি : নীলমণি ফুকন
- ১৬) অসমৰ লোককলা : যুগল দাস
- ১৭) অসমীয়া : সুশীল শৰ্মা
- ১৮) অসমৰ পুথিচিত্ৰ : নৰেন কলিতা
- ১৯) অসমীয়া জাতিৰ ইতিবৃত্ত : অসম সাহিত্য সভা
- ২০) অসমৰ সাংস্কৃতিক সমীক্ষা: অসমীয়া বিভাগ, গুৱাহাটী বিশ্ববিদ্যালয়
- ২১) বৰ অসমৰ বৰ্ণিত সংস্কৃতি : উপেন ৰাভা হাকাচাম
- ২২) অসমীয়া জাতি আৰু সংস্কৃতি : (সম্পাঃ) পৰমানন্দ ৰাজবংশী
- ২৩) মহাতীৰ্থ অসম : শিৱ শৰ্মা
- ২৪) অসমৰ লোক-সংস্কৃতি : লোকেশ্বৰ গগৈ
- ২৫) অসমৰ সংস্কৃতি-কোষ : (সম্পাঃ) নাৰায়ণ দাস আৰু পৰমানন্দ ৰাজবংশী
- ২৫) অসমৰ জনজাতীয় সংস্কৃতি : উপেন ৰাভা হাকাচাম



পাঠ্যবিষয় ১.৫  
ভাষাবিজ্ঞানৰ সাধাৰণ পৰিচয়

- গোট ১ : ভাষাবিজ্ঞান আৰু ইয়াৰ স্তৰ  
ভাষাবিজ্ঞানৰ পৰিচয়  
ধ্বনি আৰু ইয়াৰ উৎপাদন, বাগিন্দ্ৰিয়  
অসমীয়া ধ্বনি আৰু বৰ্ণৰ পৰিচয়  
ভাষাবিজ্ঞানৰ বিভিন্ন স্তৰ
- গোট ২ : ভাষাবিজ্ঞানৰ শাখা-প্ৰশাখা আৰু ভাষাৰ বৰ্গীকৰণ  
ভাষাবিজ্ঞানৰ শাখা-প্ৰশাখা  
ভাষাৰ বৰ্গীকৰণ আৰু পৃথিৱীৰ বিভিন্ন ভাষা পৰিয়াল  
ইণ্ডো-ইউৰোপীয় ভাষা পৰিয়াল

প্ৰসংগ পুথি :

- ১) Language: L. Bloomfield
- ২) Linguistics: An Introductory Survey: R. A. Scott-James
- ৩) An Introduction to Descriptive Linguistics: H. A. Gleason
- ৪) Introductory Linguistics: R. A. Hall
- ৫) A Course in Modern Linguistics: H. A. Hockett
- ৬) Historical Linguistics: W. Lehman
- ৭) Introductory Phonology: Bruce Hays
- ৮) Introducing Phonology: David Odden
- ৯) Phonology: Andrew Spencer
- ১০) Sociolinguistics: P. Trudgil
- ১১) Introducing Language in USA: A Course- Book: Aileen Bloomer, Patrick Griffiths and Andrew John Morrison
- ১২) ভাষাবিজ্ঞান : উপেন্দ্ৰনাথ গোস্বামী
- ১৩) আধুনিক ভাষাবিজ্ঞান পৰিচয় : ফণীন্দ্ৰ নাৰায়ণ দত্তবৰুৱা
- ১৪) ভাষা-চিন্তা-বিচিত্ৰা : (সম্পাঃ) নগেন ঠাকুৰ আৰু খগেশ সেন ডেকা
- ১৫) ধ্বনি বিজ্ঞানৰ ভূমিকা : গোলোকচন্দ্ৰ গোস্বামী
- ১৬) ভাষাৰ তত্ত্বকথা : নাহেন্দ্ৰ পাদুন
- ১৭) ভাষা আৰু ভাষাচিন্তা : (সম্পাঃ) নগেন ঠাকুৰ
- ১৮) ভাষাবিজ্ঞানৰ ভূমিকা : ৰমেশ পাঠক
- ১৯) ভাষা জিজ্ঞাসা : (সম্পাঃ) লীলাৱতী শইকীয়া বৰা
- ২০) ভাষাতত্ত্ব : দীপ্তি ফুকন পাটগিৰি

- ২১) ভাষা শৈলীবিজ্ঞান : সপোন দুৱৰা
- ২২) ব্যৱহাৰিক ধ্বনিবিজ্ঞান : দীপঙ্কৰ মৰল

দ্বিতীয় ষাণ্মাসিক

পাঠ্যবিষয় ২.১

অসমীয়া সাহিত্যৰ বুৰঞ্জী (আধুনিক যুগ)

- গোট ১ : অৰুণোদই যুগৰ অসমীয়া সাহিত্য
- গোট ২ : ৰমন্যাস (ৰোমাণ্টিক) যুগৰ অসমীয়া সাহিত্য
- গোট ৩ : যুদ্ধোত্তৰ যুগৰ অসমীয়া সাহিত্য
- গোট ৪ : সাম্প্ৰতিক কালৰ অসমীয়া সাহিত্য

প্ৰসংগ পুথি :

- ১) Romantic Imagination: C. M. Bowra
- ২) The Mirror and The Lamp: M. H. Abrams
- ৩) Nature Supernaturalism: M. H. Abrams
- ৪) Romanticism: Nicholas Roe
- ৫) History of Assamese Literature : B. K. Baruah
- ৬) Assamese Literature : Hem Baruah
- ৭) অসমীয়া সাহিত্যৰ ৰূপৰেখা : মহেশ্বৰ নেওগ
- ৮) অসমীয়া সাহিত্যৰ সমীক্ষাত্মক ইতিবৃত্ত : সত্যেন্দ্ৰনাথ শৰ্মা
- ৯) অৰুণোদই : (সম্পাঃ) মহেশ্বৰ নেওগ
- ১০) অসমীয়া সাহিত্যৰ বুৰঞ্জী (ষষ্ঠ খণ্ড) : (সম্পাঃ) হোমেন বৰগোহাঞি
- ১১) এশ বছৰ অসমীয়া কবিতা (ভূমিকা) : (সম্পাঃ) হোমেন বৰগোহাঞি
- ১২) এশ বছৰ অসমীয়া উপন্যাস : (সম্পাঃ) নগেন ঠাকুৰ
- ১৩) অসমীয়া কবিতাঃ ৰূপান্তৰৰ পৰ্ব : ভবেন বৰুৱা
- ১৪) যোৱা শতিকাৰ অসমীয়া কবিতাঃ নৱন্যাসী সাহিত্যৰ পৰম্পৰা : দিলীপ বৰা
- ১৫) মাধৱ কন্দলীৰ পৰা মামনি ৰয়চমলৈ : শৈলেন ভৰালী



পাঠ্যবিষয় ২.২  
অসমীয়া নাটক

- গোট ১ : পূৰ্ণ অসমীয়া নাটক; অক্ষীয়া নাট  
শংকৰদেৱৰ 'পাৰিজাত হৰণ'  
মাধৱদেৱৰ 'পিম্পৰা গুছোৱা'
- গোট ২ : গুণাভিৰাম বৰুৱাৰ 'ৰাম-নৰমী'  
পদ্মনাথ গোহাঞিবৰুৱাৰ 'গাওঁবুঢ়া'
- গোট ৩ : প্ৰসন্নলাল চৌধুৰীৰ 'নীলাম্বৰ'  
জ্যোতিপ্ৰসাদ আগৰৱালাৰ 'কাৰেঙৰ লিগিৰী'
- গোট ৪ : অৰুণ শৰ্মাৰ 'শ্ৰীনিবাৰণ ভট্টাচাৰ্য'  
সতীশ চন্দ্ৰ ভট্টাচাৰ্যৰ 'মহাৰাজা'

প্ৰসংগ পুথি :

- ১) Theory of Drama: A. Nichole
- ২) Performance Theory: R. Schechner
- ৩) The Semiotics of theatre and Drama: Kair Alam
- ৪) অক্ষয়লী : (সম্পাঃ) কালিৰাম মেধি
- ৫) অক্ষীয়া নাট : বিৰিঞ্চি কুমাৰ বৰুৱা
- ৬) অসমীয়া নাট্য সাহিত্য : সত্যেন্দ্ৰনাথ শৰ্মা
- ৭) অসমীয়া নাট্যসাহিত্যৰ জিলাঙনি : হৰিশ্চন্দ্ৰ ভট্টাচাৰ্য
- ৮) অক্ষমালা : (সম্পাঃ) কেশৱানন্দ দেৱগোস্বামী
- ৯) আধুনিক নাট্য চিন্তা : সত্য প্ৰসাদ বৰুৱা
- ১০) চিন্তা-বিচিত্ৰা : মহিম বৰা
- ১১) লোক-নাট্য পৰম্পৰা : শৈলেন ভৰালী
- ১২) নাট্য-কলা দেশী-বিদেশী : শৈলেন ভৰালী
- ১৩) অসমীয়া নাটকঃ স্বৰাজোত্তৰ কাল : শৈলেন ভৰালী
- ১৪) ভাষা সাহিত্যৰ সুবাস : লীলাৱতী শইকীয়া বৰা
- ১৫) নাটকৰ কথা : পোনা মহন্ত

পাঠ্যবিষয় ২.৩  
পাশ্চাত্য সাহিত্য সমালোচনা

- গোট ১ : পাশ্চাত্য সমালোচনাৰ ধাৰা  
কবিতা
- গোট ২ : নাটক  
ট্ৰেজেদি
- গোট ৩ : উপন্যাস  
চুটিগল্প
- গোট ৪ : জীৱনী আৰু প্ৰবন্ধ সাহিত্য  
সমালোচনা সাহিত্য

প্ৰসংগ পুথি :

- ১) An Introduction to Study of Literature: W. H. Hudson
- ২) The Making of Literature: R.A. Scott James
- ৩) Literary Criticism: W. K. Wimsatt Jr. and Cleanth
- ৪) History of Modern Criticism (All Volumes): Rene Wellek
- ৫) Critical Approches to Literature: David Daiches
- ৬) English Critical Text: (Ed.) D.G. Enright, Ernst De Chickera
- ৭) A History of Literary Criticism: M. A. R. Habib
- ৮) নন্দন-তত্ত্বঃ প্ৰাচ্য আৰু পাশ্চাত্য : ত্ৰৈলোক্যনাথ গোস্বামী
- ৯) সমালোচনা সাহিত্য : ত্ৰৈলোক্যনাথ গোস্বামী
- ১০) সাহিত্য উপক্ৰমণিকা : মহেন্দ্ৰ বৰা
- ১১) কবিতাৰ কথা : নলিনীধৰ ভট্টাচাৰ্য
- ১২) ট্ৰেজেদি বিচাৰ : শৈলেন ভৰালী
- ১৩) সাহিত্য আৰু সংজ্ঞা : প্ৰফুল্ল কটকী

পাঠ্যবিষয় ২.৪  
সাহিত্যৰ তত্ত্ব আৰু ধাৰা

- গোট ১ : ধ্ৰুৱবাদ (Classical Theory),
- গোট ২ : ৰমন্যাসবাদ (Romanticism)

গোট ৩ : আধুনিকতাবাদ (Modernism), প্রতীকবাদ (Symbolism),  
কল্পবাদ (Imagism), অতি বাস্তববাদ (Surrealism),  
প্রকাশবাদ (Expressionism)

অসমীয়া সাহিত্যত আধুনিকতাবাদ

গোট ৪ : উত্তৰ-আধুনিকতাবাদ (Post-Modernism) আৰু অসমীয়া  
সাহিত্য

প্ৰসংগ পুথি :

- ১) Modernism: Malcolm Bradbury and James Macfarlane
- ২) Postmodernism: Christopher Butler
- ৩) The Postmodern Condition: J. F. Lyotard
- ৪) A Glossary of Literary Terms: M. H. Abrams
- ৫) Interdisciplinary Perspectives on Modernity: (Ed.) Subha P. Pandey and Prafulla C. Kar
- ৬) Modernism: David Ayers
- ৭) Modernism: Steven Mathews
- ৮) The European Modernism: J. P. S. Uberoi
- ৯) Western Influence on Assamese Drama: Pona Mahanta
- ১০) Western Influence on Bengali Literature: P. R. Sen
- ১১) Post War Assamese Drama: Umesh Deka
- ১২) ইংৰাজী সমালোচনাৰ ধাৰা আৰু অসমীয়া সাহিত্যত ইয়াৰ প্ৰভাৱ :  
ত্ৰৈলোক্যনাথ গোস্বামী
- ১৩) উপন্যাসৰ আধুনিক সমালোচনা : হীৰেণ গৌহাই
- ১৪) কবিতাৰ বিচাৰ আৰু নতুন সমালোচনা : হীৰেণ গৌহাই
- ১৫) অসমীয়া নাটকঃ স্বৰাজ্যোত্তৰ কাল : শৈলেন ভৰালী
- ১৬) বাণীকান্ত কাকতিৰ পৰা ভবেন বৰুৱালৈ : শৈলেন ভৰালী
- ১৭) সাহিত্য তত্ত্ব আৰু সমালোচনা : নাহেদু পাদুন
- ১৮) সাহিত্যৰ স্বাদ বৈচিত্ৰ্য : (সম্পাঃ) বিভা দত্ত আৰু নিবেদিতা বৰা শইকীয়া
- ১৯) অসমীয়া সাহিত্যত পাশ্চাত্য প্ৰভাৱ : অসমীয়া বিভাগ, প্ৰাগজ্যোতিষ  
মহাবিদ্যালয়
- ২০) সাহিত্যৰ বাদ-বৈচিত্ৰ্য : (সম্পাঃ) নগেন শইকীয়া

পাঠ্যবিষয় ২.৫  
সংস্কৃত সাহিত্যৰ বুৰঞ্জী

গোট ১ : সংস্কৃত কাব্য সাহিত্য  
সংস্কৃত কাব্য সাহিত্যৰ প্ৰাৰম্ভিক কাল  
সংস্কৃত কাব্য সাহিত্যৰ ধাৰা  
সংস্কৃত কাব্যৰ অভ্যুত্থান : কালিদাসৰ যুগ

গোট ২ : কালিদাসোত্তৰ যুগৰ মহাকাব্য

গোট ৩ : সংস্কৃত নাট্য সাহিত্য

গোট ৪ : সংস্কৃত গদ্য কাব্য আৰু চম্পূ কাব্য

প্ৰসংগ পুথি :

- ১) History of Sanskrit Literature: A. B. Keith
- ২) History of Indian Literature: M. Winternitz
- ৩) Survey of Sanskrit Literature: C. K. Raja
- ৪) Indian Campu Literature: Its Origin and Growth: R. N. Bandopadhyaya
- ৫) সংস্কৃত সাহিত্যৰ ইতিবৃত্ত : থানেশ্বৰ শৰ্মা
- ৬) সংস্কৃত সাহিত্যৰ ইতিহাস : গৌৰীনাথ শাস্ত্ৰী
- ৭) পাৰিজাত হৰণ চম্পূ (ভূমিকা আৰু প্ৰথম অধ্যায়) : দীপক কুমাৰ শৰ্মা
- ৮) অপাৰে কাব্যসংসাৰে : দীপক কুমাৰ শৰ্মা
- ৯) সাহিত্য বিতান : মঞ্জুলা দেৱী

তৃতীয় ষান্মাষিক

পাঠ্যবিষয় ৩.১  
অসমীয়া গদ্য

গোট ১ : অসমীয়া গদ্যৰ উদ্ভৱ আৰু বিকাশ :  
অসমীয়া গদ্যৰ উদ্ভৱ আৰু বিকাশ, ভট্টদেৱৰ গদ্য

কথাভাগৰতৰ তৃতীয় স্কন্ধৰ দ্বিতীয় অধ্যায়

গোট ২ : চৰিত পুথি আৰু বুৰঞ্জীৰ গদ্য :  
গুৰুচৰিত কথা, গুৰুচৰিতৰ কথাৰ নিৰ্দেশিত পাঠ্যক্রম  
(অনুচ্ছেদ ৩১-১০০)  
বুৰঞ্জীৰ গদ্য, আসাম বুৰঞ্জী : দিহিঙীয়া বজা

গোট ৩ : অৰুণোদইৰ অসমীয়া গদ্য; অৰুণোদইৰ চলফাট :  
আসাম দেশৰ সংক্ষেপ কথা : আনন্দৰাম ঢেকিয়াল ফুকন  
অসমীয়া ভাষা : এজন অসমীয়া লোক

গোট ৪ : আধুনিক অসমীয়া গদ্য :  
হেমচন্দ্ৰ বৰুৱাৰ 'বাহিৰে বং চং ভিতৰে কোৱা-ভাতুৰী'  
লক্ষ্মীনাথ বেজবৰুৱাৰ 'মোৰ জীৱন সোঁৱৰণ' (প্ৰথম আৰু  
দ্বিতীয় অধ্যায়)  
বাণীকান্ত কাকতিৰ 'নাৰী হৃদয়'

অনুমোদিত পাঠ্যপুথি :

- ১) কথা-ভাগৰত : (সম্পাঃ) মহেশ্বৰ নেওগ
- ২) গুৰুচৰিত কথা : (সম্পাঃ) মহেশ্বৰ নেওগ
- ৩) অসম বুৰঞ্জী : সুকুমাৰ মহন্ত
- ৪) অৰুণোদইৰ চলফাট : (সম্পাঃ) বিৰিঞ্চি কুমাৰ বৰুৱা
- ৫) অৰুণোদই : (সম্পাঃ) মহেশ্বৰ নেওগ
- ৬) বাহিৰে বং চং ভিতৰে কোৱা ভাতুৰী : হেমচন্দ্ৰ বৰুৱা
- ৭) মোৰ জীৱন সোঁৱৰণ : লক্ষ্মীনাথ বেজবৰুৱা
- ৮) সাহিত্য আৰু প্ৰেম : বাণীকান্ত কাকতি

প্ৰসংগ পুথি :

- ১) অসমীয়া কথা-সাহিত্য (পুৰণি ভাগ) : বিৰিঞ্চি কুমাৰ বৰুৱা
- ২) আধুনিক অসমীয়া সাহিত্য : মহেশ্বৰ নেওগ
- ৩) বাণীকান্ত কাকতিৰ ৰচনাৱলী : (সম্পাঃ) মহেশ্বৰ নেওগ
- ৪) সাহিত্যৰ আভাস : সত্যেন্দ্ৰনাথ শৰ্মা
- ৫) ৰামায়ণৰ ইতিবৃত্ত : সত্যেন্দ্ৰনাথ শৰ্মা
- ৬) অসমীয়া গদ্য সাহিত্যৰ গতিপথ : হৰিনাথ শৰ্মা দলৈ
- ৭) ক্ৰমবিকাশত অসমীয়া কথাশৈলী : প্ৰফুল্ল কটকী

- ৮) জীৱনী আৰু আত্মজীৱনী : গোবিন্দপ্ৰসাদ শৰ্মা
- ৯) অসমীয়া সাহিত্যলৈ মিছনাৰীসকলৰ অৱদান : বাণীকান্ত শৰ্মা
- ১০) প্ৰসংগঃ উনবিংশ শতিকাৰ অসমীয়া সাহিত্য : উমেশ ডেকা
- ১১) মধ্যযুগৰ অসমীয়া ভাষা সাহিত্যৰ ৰেঙনি : দীপ্তি ফুকন পাটগিৰি
- ১২) অৰুণোদই (১৮৫৫-১৮৬৮) নিৰ্বাচিত সংকলনঃ (সম্পাঃ)  
অৰুপজ্যোতি শইকীয়া

### পাঠ্যবিষয় ৩.২ অসমীয়া উপন্যাস

- গোট ১ : অসমীয়া উপন্যাসৰ গতি-প্ৰকৃতি
- গোট ২ : ৰজনীকান্ত বৰদলৈৰ 'মিৰি জীয়ৰী'
- গোট ৩ : বিৰিঞ্চি কুমাৰ বৰুৱাৰ 'জীৱনৰ বাটত'
- গোট ৪ : বীৰেন্দ্ৰ কুমাৰ ভট্টাচাৰ্যৰ 'মৃত্যুঞ্জয়'
- গোট ৫ : চৈয়দ আব্দুল মালিকৰ 'সূৰ্যমুখীৰ স্বপ্ন'

প্ৰসংগ পুথি :

- ১) The Art of the Novel: E. M. Forster
- ২) The Rise of the Novel: Jan Watt
- ৩) Post-War Assamese Novel : Umesh Deka
- ৪) অসমীয়া উপন্যাসৰ ভূমিকা : সত্যেন্দ্ৰনাথ শৰ্মা
- ৫) অসমীয়া ঐতিহাসিক উপন্যাস : শৈলেন ভৰালী
- ৬) উপন্যাসৰ আধুনিক সমালোচনা : হীৰেণ গোঁহাই
- ৭) স্বৰাজোত্তৰ অসমীয়া উপন্যাসৰ সমীক্ষা : প্ৰফুল্ল কটকী
- ৮) উপন্যাস আৰু অসমীয়া উপন্যাস : গোবিন্দপ্ৰসাদ শৰ্মা
- ৯) এশ বছৰৰ অসমীয়া উপন্যাস : (সম্পাঃ) নগেন ঠাকুৰ
- ১০) অসমীয়া সাহিত্যৰ বুৰঞ্জী (ষষ্ঠ খণ্ড) : (সম্পাঃ) হোমেন  
বৰগোহাঞি
- ১১) অসমীয়া জীৱনীমূলক উপন্যাস : জাহ্নৱী দেৱী

### পাঠ্যবিষয় ৩.৩

#### অসমীয়া চুটিগল্প

- গোট ১ : অসমীয়া চুটিগল্পৰ গতি প্রকৃতি  
লক্ষ্মীনাথ বেজবৰুৱাৰ 'কাশীবাসী'
- গোট ২ : বমা দাসৰ 'অবুজ মায়া'  
যোগেশ দাসৰ 'পৃথিৱীৰ অসুখ'
- গোট ৩ : মহিম বৰাৰ 'এখন নদীৰ মৃত্যু',  
ভবেন্দ্ৰনাথ শইকীয়াৰ 'ঢোৰাসাপ'
- গোট ৪ : হোমেন বৰগোহাঞিৰ 'ভয়',  
মামনি বয়চয় গোস্বামীৰ 'সংস্কাৰ'

#### অনুমোদিত পাঠ্যপুথি :

- ১) গল্পমঞ্জৰি : (সম্পাঃ) শৈলেন ভৰালী
- ২) অসমীয়া চুটিগল্পৰ প্ৰবাহ : (সম্পাঃ) লীলাৱতী শইকীয়া বৰা

#### প্ৰসংগ পুথি :

- ১) আধুনিক গল্প সাহিত্য : ত্ৰৈলোক্যনাথ গোস্বামী
- ২) অসমীয়া গল্প সংকলন (ভূমিকা) : (সম্পাঃ) হোমেন বৰগোহাঞি
- ৩) অসমীয়া চুটিগল্পৰ অধ্যয়ন : প্ৰহ্লাদ কুমাৰ বৰুৱা
- ৪) চুটিগল্প : উদয় দত্ত
- ৫) অসমীয়া সাহিত্যৰ বুৰঞ্জী (ষষ্ঠ খণ্ড) : (সম্পাঃ) হোমেন বৰগোহাঞি
- ৬) যুদ্ধোত্তৰ যুগৰ অসমীয়া চুটিগল্প : কুমুদ গোস্বামী

### পাঠ্যবিষয় ৩.৪

#### লিপি আৰু পাঠ সমীক্ষা

- গোট ১ : অসমীয়া লিপিৰ উদ্ভৱ আৰু বিকাশ  
লিপিৰ উৎপত্তি আৰু পৃথিৱীৰ প্ৰাচীন লিপি  
ভাৰতীয় লিপিৰ উৎপত্তি আৰু বিকাশ  
অসমীয়া লিপিৰ উদ্ভৱ আৰু বিকাশ
- গোট ২ : অসমীয়া লিপিৰ পঠন আৰু লিপ্যন্তৰ  
(এই শিতানত বিদ্যাৰ্থীসকলে পুৰণি অসমীয়া লিপিৰ এটা পাঠ

অধ্যয়ন কৰি পাঠটিক আধুনিক অসমীয়া লিপিলৈ লিপ্যন্তৰ কৰিব লাগিব।)

- গোট ৩ : পাঠ-সমীক্ষাৰ সাধাৰণ পৰিচয়  
পাঠ-সমীক্ষাৰ সাধাৰণ পৰিচয় আৰু ইয়াৰ প্ৰয়োজনীয়তা  
পুৰণি পুথিৰ সাধাৰণ বৈশিষ্ট্য আৰু লিখন-সামগ্ৰী  
পুথি অনুলিপিকৰণৰ পৰম্পৰা  
পাঠৰ স্বৰূপ আৰু পাঠ-প্ৰমাদ
- গোট ৪ : পাঠ-সমীক্ষাৰ সূত্ৰ আৰু পদ্ধতি  
পাঠ-সমীক্ষা পদ্ধতি  
অধি-সমীক্ষা  
উপস্থাপন পদ্ধতি

#### প্ৰসংগ পুথি :

- ১) Development of Script of Ancient Kamrupa: T. P. Verma
- ২) Introduction to Indian Textual Criticism: S. M. Katre
- ৩) Evolution of Assamese Script : Mahendre Bora
- ৪) অসমীয়া প্ৰাচীন লিপি : সৰ্বেশ্বৰ কটকী
- ৫) অসমীয়া লিপি : উপেন্দ্ৰনাথ গোস্বামী
- ৬) বিশ্বলিপিৰ ভূমিকা : নাৰায়ণ দাস
- ৭) পাঠ-সমীক্ষা : মহেশ্বৰ নেওগ
- ৮) পাঠ-সমীক্ষাৰ প্ৰসংগত : বামচৰণ ঠাকুৰীয়া
- ৯) পাঠ-সমীক্ষাঃ সূত্ৰ আৰু প্ৰয়োগবিধি : মালিনী গোস্বামী

### পাঠ্যবিষয় ৩.৫ (ক)

#### তুলনাত্মক সাহিত্য আৰু অনুবাদ প্ৰসঙ্গ

- গোট ১ : তুলনাত্মক সাহিত্যৰ সংজ্ঞা, পদ্ধতি, প্ৰয়োগ ইত্যাদি
- গোট ২ : তুলনাত্মক সাহিত্যৰ ঐতিহাসিক প্ৰেক্ষাপট  
ভাৰতীয় প্ৰেক্ষাপট
- গোট ৩ : তুলনাত্মক সাহিত্যৰ বিভিন্ন সংহতি  
সংকট আৰু সম্ভাৱনা

গোট ৪ : অনুবাদ প্ৰসঙ্গ

প্ৰসংগ পুথি :

- ১) Comparative Literature: Theory and Practices: Amiya Dev
- ২) Comparative Indian Literature: K. M. George
- ৩) Translation Studies: Susan Bassnett
- ৪) Translation Studies Reader: (Ed.) Lawrence Venuti
- ৫) Introduction: Translation Studies: Theory and Applications: Jeremy Munday
- ৬) A Textbook of Translation: P. Mewmark
- ৭) Translation and Understanding: Sukanta Choudhury
- ৮) Translation Across Culture: (Ed.) Katharina Reiss
- ৯) তুলনাত্মক সাহিত্যতত্ত্ব প্ৰসংগ : বিমল কুমাৰ মুখাৰ্জী
- ১০) তুলনামূলক ভাৰতীয় সাহিত্য : নিৰঞ্জনা মহন্ত বেজবৰা
- ১১) তুলনাত্মক সাহিত্য : দিলীপ বৰা
- ১২) অনুবাদ কথা : আবুল লেইছ
- ১৩) অনুবাদ পৰিক্ৰমা : প্ৰফুল্ল কটকী
- ১৪) তুলনামূলক সাহিত্য আৰু অনুবাদৰ বিচাৰ : নীৰাজনা মহন্ত বেজবৰা
- ১৫) তুলনামূলক সাহিত্য আৰু অনুবাদ কলা : কৰবী ডেকা হাজৰিকা

পাঠ্যবিষয় ৩.৫ (খ)

ভাষাবিজ্ঞান আৰু ইয়াৰ অধ্যয়ন ক্ষেত্ৰ

গোট ১ : ভাষাবিজ্ঞানৰ আধুনিক ধাৰা  
বৰ্ণনাত্মক ভাষাবিজ্ঞান (Descriptive Linguistics)  
গঠনাত্মক ভাষাবিজ্ঞান (Structural Linguistics)  
ৰূপান্তৰ-সৃজন বা ৰূপান্তৰ-উৎপাদক ব্যাকৰণ (Transformational Generative Grammar)

গোট ২ : ভাষাবিজ্ঞানৰ ক্ষেত্ৰ  
নৃতাত্ত্বিক-ভাষাবিজ্ঞান (Anthropological/Entholinguistics)  
মনোভাষাবিজ্ঞান (Psycholinguistics)  
সমাজ-ভাষাবিজ্ঞান (Sociolinguistics)

শৈলীবিজ্ঞান (Stylistics)

অন্যান্য ক্ষেত্ৰ

গোট ৩ : প্ৰায়োগিক ভাষাবিজ্ঞান (Applied Linguistic)

সাধাৰণ পৰিচয় (সংজ্ঞা, পৰিসৰ আদি)

অভিধান প্ৰণয়ন কলা, কথা-বিন্যাস

গোট ৪ : অসমত ভাষাবৈজ্ঞানিক চৰ্চা

প্ৰসংগ পুথি :

- ১) Language, Culture and Society: E. Sapir
- ২) Society, Language and Sociolinguistic: (Ed.) M. K. Verma
- ৩) Sociolinguistic: (Ed.) J. B. Pride and Janate Homes
- ৪) Social and Cultural Anthropology: A very Short Introduction: J. Monaghan and P. Just
- ৫) Linguistic and Neighbouring Disciplines: R. Bantsch and T. Vennemann
- ৬) Language, Psychology and Culture: W. E. Lambert
- ৭) The Acquisition of Language: D. McNeill
- ৮) Aspects of the Theory of Syntax: Noam Chomsky
- ৯) Applied Linguistic: P. Corder
- ১০) Language Teaching: R. Lado
- ১১) Stylistics: R. Bradford
- ১২) লোকভাষাঃ লোক-সংস্কৃতি : পি, চৰকাৰ
- ১৩) উপভাষাবিজ্ঞান : দীপংকৰ মৰল
- ১৪) প্ৰয়োগ ভাষাবিজ্ঞানৰ ৰূপৰেখা : ফণীন্দ্ৰ নাৰায়ণ দত্তবৰুৱা
- ১৫) বাভামিজঃ ভাষা আৰু নিদৰ্শন : উপেন ৰাভা হাকাচাম
- ১৫) ভাষা আৰু সমাজ : সপোন দুৱৰা

## চতুৰ্থ ষাণ্মাসিক

পাঠ্যবিষয় ৪.১ (ক)

সংস্কৃত সাহিত্য

- গোট ১ : কাব্য  
কালিদাসৰ 'বঘুবংশম্' (প্ৰথম আৰু দ্বিতীয় সৰ্গ)
- গোট ২ : নাটক  
কালিদাসৰ 'অভিজ্ঞানশকুন্তলম্'
- গোট ৩ : প্ৰকৰণ  
শূদ্ৰকৰ 'ম্ৰচ্ছকটিকম্' (প্ৰথম - দশম অংক)

প্ৰসংগ পুথি :

- ১) History of Sanskrit Literature: A. B. Keit
- ২) Sanskrit Drama: A. B. Keit
- ৩) History of Sanskrit Drama (Vol. I): M. Winternitz
- ৪) Types of Sanskrit Drama: D. R. Mankind
- ৫) Law and Practice of Sanskrit Drama: S. N. Shastri
- ৬) উপমা কালিদাসস্য : মুকুন্দ মাধৱ শৰ্মা
- ৭) অভিজ্ঞান শকুন্তলম্ঃ এক সমীক্ষা : থানেশ্বৰ শৰ্মা
- ৮) ম্ৰচ্ছকটিকমীমাংসা : মালিনী গোস্বামী
- ৯) বঘুবংশ কাব্যম্ : মালিনী গোস্বামী

পাঠ্যবিষয় ৪.১ (খ)

মধ্যভাৰতীয় আৰ্যভাষাৰ পাঠ

- গোট ১ : পালি ভাষা আৰু সাহিত্য  
পালি ভাষা  
অশোকৰ অনুশাসনমালা (১ আৰু ২ নং গিৰ্ণাৰ)  
ধম্মপদ (চিত্ত বগ্নৰ ১ম - ৮ম শ্লোক আৰু পণ্ডিত বগ্নৰ ১ম - ৮ম শ্লোক)
- গোট ২ : প্ৰাকৃত ভাষা আৰু সাহিত্য

প্ৰাকৃত ভাষা

গাহাসত্তসঙ্গী (১, ২, ৭, ৯, ১০, ১৬, ১৯ আৰু ২০)

কৰ্পূৰমঞ্জৰী (১ম যৱনিকাৰ ২২-৩২ নং শ্লোক)

গোট ৩ : অপভ্ৰংশ ভাষা আৰু সাহিত্য

অপভ্ৰংশ ভাষা

সন্দেশ-ৰাসক (২য় প্ৰক্ৰমৰ ১-১০ নং শ্লোক)

কীৰ্তিলতা (১-৮ নং শ্লোক)

প্ৰসংগ পুথি :

- ১) Asokan Edicts: Amulya Sen
- ২) The Structure and Development of Middle Indo-Aryan Dialects: Vit Bubenik
- ৩) অশোকৰ অনুশাসনমালা : নগেন ঠাকুৰ
- ৪) প্ৰাকৃত সাহিত্য : সত্যেন্দ্ৰ নাৰায়ণ গোস্বামী
- ৫) প্ৰাকৃত সাহিত্যৰ অধ্যয়ন : নগেন ঠাকুৰ
- ৬) প্ৰাকৃত সাহিত্য চয়ন : নগেন ঠাকুৰ
- ৭) ধম্মপদ : (সম্পাঃ) সত্যেন্দ্ৰ নাৰায়ণ গোস্বামী
- ৮) প্ৰাকৃত পাঠ-মঞ্জুসা : (সম্পাঃ) সত্যেন্দ্ৰ নাৰায়ণ গোস্বামী
- ৯) কৰ্পূৰমঞ্জৰী : (সম্পাঃ) কেশৱানন্দ দেৱগোস্বামী

পাঠ্যবিষয় ৪.২ (ক)

ভক্তি সাহিত্য

গোট ১ : ভক্তি অৰু ভক্তি জাগৰণ

ভক্তিৰ স্বৰূপ, ভক্তি জাগৰণ আৰু পুৰাণ সাহিত্য

গোট ২ : অসমীয়া ভক্তি ধৰ্ম আৰু ভক্তি সাহিত্য :

অসমীয়া বৈষ্ণৱ ভক্তি সাহিত্যৰ সাধাৰণ আভাস (শঙ্কৰদেৱৰ পৰা উত্তৰ বৈষ্ণৱ যুগলৈ)

শংকৰদেৱৰ 'ভক্তি-প্ৰদীপ'

মাধৱদেৱৰ 'ভক্তি-বত্নাৱলী'

গোট ৩ : শৈৱ ধৰ্ম আৰু অসমীয়া শৈৱ সাহিত্য :

শৈৱ ধৰ্ম আৰু অসমীয়া শৈৱ সাহিত্য



ৰুদ্ৰসিংহৰ 'শিৱ-পুৰাণ'

গোট ৪ : শাক্ত ধৰ্ম আৰু অসমীয়া শাক্ত সাহিত্য :  
শাক্ত ধৰ্ম আৰু অসমীয়া শাক্ত সাহিত্য  
ৰুচিনাথ কন্দলীৰ 'শ্ৰীশ্ৰী চণ্ডী'  
নাৰায়ণদেৱৰ 'পদ্মা-পুৰাণ' (ভাটিয়ালী খণ্ড)

প্ৰসংগ পুথি :

- ১) Bhakti Yoga: Swami Vivekananda
- ২) Bhakti Rahasya: Swami Vivekananda
- ৩) Vaisnavite Myths and Legends: Banikanta Kakati
- ৪) Mother Goddess Kamakhya: Banikanta Kakati
- ৫) Sankaradeva and His Times: M. Neog
- ৬) Bhakti Ratnakara of Sankaradeva and History of the Concept of Bhakti (Introduction only): (Ed.) M. Neog
- ৭) Neo-Vaisnavite Movement and the Satra Institution of Assam: S. N. Sarma
- ৮) ভক্তিবাদ : তীৰ্থনাথ শৰ্মা
- ৯) বৈষ্ণৱ ভক্তিধাৰা আৰু সন্তকথা : উপেন্দ্ৰনাথ গোস্বামী
- ১০) মনসা কাব্য (মনকাৰি আৰু দুৰ্গাবৰী) : (সম্পাঃ) বিৰিঞ্চি কুমাৰ বৰুৱা আৰু সত্যেন্দ্ৰনাথ শৰ্মা
- ১১) পুৰণি কামৰূপৰ ধৰ্মৰ ধাৰা : বাণীকান্ত কাকতি
- ১২) অসমত শক্তি সাধনা আৰু শাক্ত সাহিত্য : হৰিনাথ শৰ্মাদলৈ
- ১৩) শ্ৰীশ্ৰীচণ্ডী : (সম্পাঃ) পৰীক্ষিৎ হাজৰিকা
- ১৪) শ্ৰীশ্ৰীচণ্ডী : (সম্পাঃ) নবীন চন্দ্ৰ শৰ্মা
- ১৫) পুৰণি অসমীয়া সমাজ আৰু সংস্কৃতি : মহেশ্বৰ নেওগ
- ১৬) অসমৰ দৰমাৰ বুৰঞ্জীঃ আন্ধাৰ আৰু পোহৰ : মহেশ্বৰ নেওগ
- ১৭) দেৱী : নিৰ্মলপ্ৰভা বৰদলৈ
- ১৮) শিৱ : নিৰ্মলপ্ৰভা বৰদলৈ
- ১৯) শিৱপুৰাণ : (সম্পাঃ) নবীন চন্দ্ৰ শৰ্মা
- ২০) লোক-দেৱতা শিৱ : বীৰেন্দ্ৰ কুমাৰ গাঁহাই
- ২০) পুৰাণৰ পৰিচয় : বিমল মজুমদাৰ
- ২০) ভক্তি সাহিত্য : বিমল মজুমদাৰ

পাঠ্যবিষয় ৪.২ (খ)

ভাৰতীয় আৰ্যভাষাৰ তুলনামূলক ব্যাকৰণ

গোট ১ : সংস্কৃত পালি-প্ৰাকৃত আৰু অসমীয়া ভাষাৰ ধ্বনি বিচাৰ  
ভাৰতীয় আৰ্যভাষাৰ সাধাৰণ পৰিচয়  
সংস্কৃত-পালি-প্ৰাকৃত আৰু অসমীয়াৰ স্বৰ আৰু ব্যঞ্জনৰ তুলনা  
সংস্কৃত-পালি-প্ৰাকৃত আৰু অসমীয়া ভাষাৰ সন্ধি বিচাৰ

গোট ২ : সংস্কৃত পালি-প্ৰাকৃত আৰু অসমীয়া ৰূপতাত্ত্বিক বিচাৰ  
সংস্কৃত-পালি-প্ৰাকৃত আৰু অসমীয়া ভাষাৰ শব্দৰূপ  
সংস্কৃত, পালি-প্ৰাকৃত আৰু অসমীয়া ধাতুৰূপ

প্ৰসংগ পুথি :

- ১) A Sanskrit Grammar for Students: A. A. Macdonell
- ২) The Sanskrit Language: T. Burrou
- ৩) Sanskrit Grammar: W. D. Whitney
- ৪) Pali Prakash: B. Shastri
- ৫) Pali Language and Literature: W. Geiger
- ৬) Prakrit Grammar of Vararuchi: (Ed.) E. D. Cowell
- ৭) The Structure and Development of Middle Indo-Aryan Dialects: Vit. Bubenict
- ৮) Introduction to Prakrit: A. C. Woolner
- ৯) সমগ্ৰ ব্যাকৰণ কৌমুদী : ঈশ্বৰ চন্দ্ৰ বিদ্যাসাগৰ
- ১০) সংস্কৃত ও প্ৰাকৃত ভাষাৰ ক্ৰমবিকাশ : পৰেশ চন্দ্ৰ মজুমদাৰ
- ১১) পালি-প্ৰাকৃত-অপভ্ৰংশ ভাষা আৰু সাহিত্য : নগেন ঠাকুৰ
- ১২) সংস্কৃত-পালি-প্ৰাকৃত আৰু অসমীয়া ব্যাকৰণ : লীলাৱতী শইকীয়া বৰা

পাঠ্যবিষয় ৪.৩ (ক)  
পাশ্চাত্য সাহিত্য

- গোট ১ : পাশ্চাত্য কবিতা  
ৱৰ্ডছৱৰ্থৰ 'টিণ্টাৰ্ণ এবি'  
শ্বেলীৰ 'অ'ড টু দ্য ৱেষ্ট উইণ্ড'  
ব্ৰাউনিঙৰ 'মাই লাষ্ট ডাছেচ'  
এলিয়টৰ 'প্ৰিলিউদছ'
- গোট ২ : পাশ্চাত্য নাটক  
ছেমুৱেল বেকেটৰ 'ৱেইটিং ফৰ গডো'  
হেন্ৰিক্ ইব্ছেনৰ 'এন এনিমি অৱ দ্য পিপুল'
- গোট ৩ : পাশ্চাত্য উপন্যাস  
আণেষ্টি হেমিংৱেৰ 'দ্য অ'ল্ড ম্যেন এণ্ড দ্য চি'  
এলবাৰ্ট কেয়ম্বৰ 'দ্য প্লেগ'
- গোট ৪ : পাশ্চাত্য চুটিগল্প  
ডি এইচ্ লৰেঞ্চৰ 'দ্য লাষ্ট লাফ'  
এলেন্ পোৰ 'দ্য কাস্ক এমোন্টিলেদো'

অনুমোদিত পাঠ্যপুথি :

- ১) The Winged Word: David Green
- ২) Short Stories of the Nineteen Century: J. G. Fyfe

প্ৰসংগ পুথি :

- ১) Romanticism: L. Abercrombie
- ২) The Design of T. S. Eliot's Poetry: Elizabeth Drew
- ৩) Key to Modern Poetry: L. Dorrel
- ৪) Twentieth Century Drama: B. Gascoigne
- ৫) Albert Camus: Philip Thody
- ৬) ৰমন্যাসবাদ : মহেন্দ্ৰ বৰা
- ৭) গদ্যৰ প্ৰতীক্ষাত : (অনুঃ) শৈলেন ভৰালী
- ৮) ইবচেনৰ নাট্য প্ৰতিভা : তাৰিণীকান্ত ভট্টাচাৰ্য
- ৯) সাহিত্যৰ চিন্তা-চৰ্চা : বীৰেণ বৰকটকী

পাঠ্যবিষয় ৪.৩ (খ)

অসমীয়া ভাষাৰ ঐতিহাসিক বিকাশ আৰু ইয়াৰ সাম্প্ৰতিক গাঁথনি

- গোট ১ : অসমীয়া ভাষাৰ উদ্ভৱ আৰু বিকাশ  
অসমীয়া ভাষাৰ ক্ৰমবিকাশ  
অসমীয়া ভাষাৰ ঐতিহাসিক বিচাৰ  
অসমীয়া ভাষাৰ উদ্ভৱ আৰু বিকাশত সম্ভাৰ্য আৰ্যভিন্ন প্ৰভাৱ
- গোট ২ : অসমীয়া ভাষাৰ ধ্বনিতত্ত্ব আৰু ৰূপতত্ত্ব  
অসমীয়া ভাষাৰ ধ্বনিতত্ত্ব  
অসমীয়া ভাষাৰ ৰূপতত্ত্ব : শব্দ গঠন  
অসমীয়া ভাষাৰ ৰূপতত্ত্ব : কাৰক আৰু ক্ৰিয়া  
অসমীয়া ভাষাৰ ৰূপতত্ত্ব : 'ব্যাকৰণগত বিষয়'
- গোট ৩ : অসমীয়া ভাষাৰ অৰ্থতত্ত্ব আৰু বাক্যতত্ত্ব  
অসমীয়া ভাষাৰ অৰ্থতত্ত্ব  
অসমীয়া ভাষাৰ বাক্যতত্ত্ব
- গোট ৩ : মগধীয় ভাষা হিচাপে অসমীয়া ভাষা  
মগধীয় ভাষাসমূহৰ উদ্ভৱ আৰু বিকাশ  
অসমীয়া ভাষাৰ স্বতন্ত্ৰতা

প্ৰসংগ পুথি :

- ১) Assamese: Its Formation and Development: Banikanta Kakati
- ২) Introduction to Assamese Phonology: G. C. Goswami
- ৩) Historical Linguistics and Indo-Aryan Languages: A. M. Ghattage
- ৪) Growth of the Assamese Language: D. Neog
- ৫) Origin and Development of the Bengali Language (Vol. I): S. K. Chatterjee
- ৬) Structure of Assamese: G. C. Goswami
- ৭) An Introduction to Assamese: U. N. Goswami
- ৮) অসমীয়া ব্যাকৰণ আৰু ভাষাতত্ত্ব : কালিৰাম মেধি



- ৯) অসমীয়া ভাষাৰ মৌলিক বিচাৰ আৰু সাহিত্যৰ চানেকি : দেৱানন্দ ভৰালি
- ১০) অসমীয়া ব্যাকৰণৰ মৌলিক বিচাৰ : গোলোকচন্দ্ৰ গোস্বামী
- ১১) অসমীয়া ভাষাৰ উদ্ভৱ, সমৃদ্ধি আৰু বিকাশ : উপেন্দ্ৰনাথ গোস্বামী
- ১২) অসমীয়া ভাষাৰ ব্যাকৰণ : উপেন্দ্ৰনাথ গোস্বামী
- ১৩) বৰ্ণ-প্ৰকাশ : গোলোকচন্দ্ৰ গোস্বামী
- ১৪) অসমীয়া ব্যাকৰণ প্ৰবেশ : গোলোকচন্দ্ৰ গোস্বামী
- ১৫) অসমীয়া ভাষাৰ ইতিহাস : ৰমেশ পাঠক

**পাঠ্যবিষয় ৪.৪ (ক)  
ভাৰতীয় সাহিত্য অধ্যয়ন**

**গোট ১ : বাংলা সাহিত্য**

- কবিতা : ৰবীন্দ্ৰনাথ ঠাকুৰৰ 'ভাৰততীৰ্থ'  
জীৱনানন্দ দাশৰ 'বনলতা সেন'  
চুটিগল্প : ৰবীন্দ্ৰনাথ ঠাকুৰৰ 'কাবুলিৱালা'  
শৰৎ চন্দ্ৰ চট্টোপাধ্যায়ৰ 'অভাগীৰ স্বৰ্গ'  
উপন্যাস : বিভূতিভূষণ বন্দোপাধ্যায়ৰ 'পথেৰ পাঁচালী'

**গোট ২ : হিন্দী সাহিত্য**

- কবিতা : সুমিত্ৰানন্দন পন্তৰ 'মৌন নিমন্ত্ৰণ'  
মৈথেলীশৰণ গুপ্তৰ 'সাকেত' (নৱম সৰ্গ)  
চুটিগল্প : প্ৰেমচন্দ্ৰৰ 'নিৰ্মলা'  
উষা প্ৰিয়ম্বদাৰ 'ৰাপচী'  
উপন্যাস : চন্দ্ৰধৰ শৰ্মা (গুলেৰী)-ৰ 'উসনে কঁহা থা'

**অনুমোদিত পাঠ্যপুথি :**

- ১) আধুনিক কাব্য সংগ্ৰহ : (সম্পাঃ) বিজয়েন্দ্ৰ স্নাতক
- ২) সঞ্চয়িতা : ৰবীন্দ্ৰনাথ ঠাকুৰ
- ৩) বনলতা সেন : জীৱনানন্দ দাশ
- ৪) শ্ৰেষ্ঠ কাহানীয়াঁ : (সম্পাঃ) বিজয়পাল সিং
- ৫) কথাগুচ্ছ : (সম্পাঃ) এইচ, চি, চৰকাৰ

**প্ৰসংগ পুথি :**

- ১) Comparative Indian Literature: K. M. George
- ২) Comparative Literature: Theory and Practices: Amiya Dev

- ৩) Comparative Indian Literature: K. M. George
- ৪) তুলনাত্মক সাহিত্যতত্ত্ব প্ৰসংগ : বিমল কুমাৰ মুখাৰ্জী
- ৫) আধুনিক ভাৰতীয় সাহিত্য : শৈলেন ভৰালী
- ৬) তুলনামূলক ভাৰতীয় সাহিত্য : নিৰঞ্জন মহন্ত বেজবৰা
- ৭) তুলনাত্মক সাহিত্য : দিলীপ বৰা
- ৮) ৰবীন্দ্ৰ প্ৰতিভাৰ পৰিচয় : ভৱানন্দ দত্ত
- ৯) আধুনিক বাংলা কাব্য পৰিচয় : দীপ্তি ত্ৰিপাঠী
- ১০) বাংলা উপন্যাসেৰ কালান্তৰ : শ্ৰীকুমাৰ বেনাৰ্জী
- ১১) হিন্দী উপন্যাস : শিৱনাৰায়ণ শ্ৰীবাস্তৱ
- ১২) প্ৰেমচান্দ ওউৰ উনকা যুগ : ৰামবিলাস শৰ্মা
- ১৩) সাকেত : এক অধ্যয়ন : নগেন্দ্ৰ
- ১৪) নয়া কাহানী কি ভূমিকা : কমলেশ্বৰ

**পাঠ্যবিষয় ৪.৪ (খ)**

**সমাজ ভাষাঞ্জ্ঞান, উপভাষা-বিজ্ঞান আৰু অসমীয়া ভাষাৰ উপভাষা**

**গোট ১ : সমাজ ভাষাঞ্জ্ঞান**

- সমাজ-ভাষাবিজ্ঞানৰ সাধাৰণ পৰিচয়  
অসমীয়া নৃ-গোষ্ঠীয় উপভাষা (ৰাভামিজ, তিৰামিজ, সোনোৱাল  
কছাৰীৰ কথিত অসমীয়া, মিছিং অসমীয়া, আহোম অসমীয়া, হাজং  
অসমীয়া)

**গোট ২ : উপভাষা-বিজ্ঞান**

- উপভাষা  
উপভাষা-বিজ্ঞানৰ তত্ত্ব

**গোট ৩ : অসমীয়া ভাষাৰ উপভাষা**

- উজনি অসমৰ উপভাষা  
কামৰূপী উপভাষা  
গোৱালপৰীয়া উপভাষামধ্য  
অসমৰ উপভাষা  
দৰঙী উপভাষা

প্ৰসংগ পুথি :

- ১) Dialectology: An Introduction to : W. N. Francis
- ২) Dialectology: Chambers and Trudgill
- ৩) Language: L. Bloomfield
- ৪) Language Issue of the Assam Academy Review 1971: (Ed.) B. Baruah
- ৫) A Study on Kamrupi: A Dialect of Assamese : U. N. Goswami
- ৬) অসমীয়া ভাষা আৰু উপভাষা : উপেন্দ্ৰনাথ গোস্বামী
- ৭) ভাষা-সমাজ আৰু সংস্কৃতি : উপেন্দ্ৰনাথ গোস্বামী
- ৮) ভাষা আৰু ভাষাণিকা : গোলোকচন্দ্ৰ গোস্বামী
- ৯) আধুনিক ভাষাবিজ্ঞান পৰিচয় : ফণীন্দ্ৰ নাৰায়ণ দত্তবৰুৱা
- ১০) ভাষা-সংস্কৃতিৰ জলঞ্জাইদি : বীৰেন্দ্ৰনাথ দত্ত
- ১১) উপভাষাবিজ্ঞানৰ ভূমিকা : ৰমেশ পাঠক
- ১২) অসমীয়া ভাষাৰ উপভাষা : (সম্পাঃ) দীপ্তি ফুকন পাটগিৰি
- ১৩) উপভাষাবিজ্ঞান : দীপংকৰ মৰল
- ১৪) ৰাভামিজ : উপেন ৰাভা হাকাচাম
- ১৫) কামৰূপী উপভাষাঃ এটি অধ্যয়ন : বিভা ভৰালী
- ১৬) গোৱালপৰীয়া উপভাষাঃ ৰূপ বৈচিত্ৰ : (সম্পাঃ) বিভা ভৰালী আৰু কল্পনা তালুকদাৰ

পাঠ্যবিষয় ৪.৫ (ক)

বিশেষ লিখকৰ নিৰ্বাচিত ৰচনা

- গোট ১ : মাধৱদেৱ আৰু অসমীয়া ৰামায়ণী সাহিত্য  
মাধৱদেৱ আৰু তেওঁৰ সাহিত্য-কৃতি  
অসমীয়া ৰামায়ণী সাহিত্য  
মাধৱদেৱৰ 'আদিকাণ্ড ৰামায়ণ'
- গোট ২ : মাধৱদেৱৰ নাটক  
অক্ষীয়া নাট  
মহাপুৰুষ মাধৱদেৱৰ নাট  
মাধৱদেৱৰ 'অৰ্জুন-ভঞ্জন' নাটক

গোট ৩ :

জ্যোতিপ্ৰসাদ আগৰৱালা

জ্যোতিপ্ৰসাদ আগৰৱালা আৰু তেওঁৰ ৰচনাসম্ভাৰ

জ্যোতিপ্ৰসাদ আগৰৱালাৰ কবিতা

জ্যোতিপ্ৰসাদ আগৰৱালাৰ নাটক, 'শোণিত কুঁৱৰী', 'ৰূপালীম', 'লাভিতা'

প্ৰসংগ পুথি :

- ১) Madhavadeva: Life, Art and Thought : Karabi Deka Hazarika
- ২) মাধৱদেৱৰ বাক্যমৃত : (সম্পাঃ) প্ৰফুল্ল চন্দ্ৰ গোস্বামী
- ৩) জ্যোতিপ্ৰসাদ ৰচনাৱলী : (সম্পাঃ) হীৰেণ গৌহাই
- ৪) মাধৱদেৱৰ ৰচনাৱলী : (সম্পাঃ) ভৱপ্ৰসাদ চলিহা
- ৫) মাধৱদেৱ আৰু সংস্কৃতি : (সম্পাঃ) ভৱপ্ৰসাদ চলিহা
- ৬) জ্যোতি অন্বেষণ : (সম্পাঃ) লীলাৱতী শইকীয়া বৰা আৰু নমিতা ডেকা
- ৭) মাধৱদেৱঃ সাহিত্য, কলা আৰু দৰ্শন : কৰবী ডেকা হাজৰিকা

পাঠ্যবিষয় ৪.৫ (খ)

অসমৰ তিব্বত-বৰ্মীয় ভাষা আৰু ভাষাতত্ত্ব

গোট ১ :

অসমীয়া আৰু অসমৰ তিব্বত-বৰ্মীয় ভাষা

অসমীয়া আৰু অসমৰ ভাষা-উপভাষা

অসমীয়া ভাষাত তিব্বত-বৰ্মীয় উপাদান

তিব্বত-বৰ্মীয় ভাষাত আৰ্য উপাদান

গোট ২ :

অসমীয়া আৰু অসমৰ তিব্বত-বৰ্মীয় ভাষাৰ ৰূপতত্ত্ব (১)

অসমীয়া আৰু তিব্বত-বৰ্মীয় ভাষাৰ সম্বন্ধবাচক শব্দ

অসমীয়া আৰু তিব্বত-বৰ্মীয় ভাষাৰ সংখ্যাবাচক শব্দ

অসমীয়া আৰু তিব্বত-বৰ্মীয় ভাষাৰ সৰ্বনাম

গোট ৩ :

অসমীয়া আৰু অসমৰ তিব্বত-বৰ্মীয় ভাষাৰ ৰূপতত্ত্ব (২)

অসমীয়া আৰু তিব্বত-বৰ্মীয় ভাষাৰ বিশেষণ

অসমৰ তিব্বত-বৰ্মীয় ভাষাৰ ক্ৰিয়া পদ

অসমীয়া ভাষাৰ ক্ৰিয়া আৰু তিব্বত-বৰ্মীয় ভাষাৰ লগত ইয়াৰ তুলনা

প্রসংগ পুথি :

- ১) Linguistic Survey of India: (Ed.) G. A. Geirson
- ২) North East Indian Linguistics: Stephen Morey and Mark Post
- ৩) Garo Grammar: R. Buring
- ৪) Sino-Tibetan: A Conspectus: Paul K. Benedict
- ৫) Outline of Tibeto-Burman Linguistic Morphology: S. N. Welfenden
- ৬) A Descriptive Analysis of Boro Language: P. C. Bhattacharya
- ৭) Languages of North-East: (Ed.) P. N. Dutta Baruah
- ৮) Boro Vocabulary: D. N. Bhatt
- ৯) Assamese and Boro: A Comparative and Contrastive Study: Madhuram Boro
- ১০) Studies in Sino-Tibetan Languages: S. N. Goswami
- ১১) অসমৰ ভাষা : ভীমকান্ত বৰুৱা
- ১২) মিচিং ভাষাৰ পৰিচয় : নাহেন্দ্ৰ পাদুৱা
- ১৩) অসমীয়া আৰু অসমৰ তিব্বত-বৰ্মীয় ভাষা : উপেন ৰাভা হাকাচাম
- ১৪) ৰাভা ভাষা আৰু সাহিত্য : উপেন ৰাভা হাকাচাম

\* \* \* \* \*

**ACADEMIC CALENDAR**  
**Gauhati University Institute of Distance and Open Learning**  
**Guwahati- 781014, Assam**

<b>ADMISSION</b>			
<b>SEMESTER (TRADITIONAL PROGRAMME)</b>			
A	1	Fresh	July-September
	2	Continuation	July-September
<b>SEMESTER (IT PROGRAMMES)</b>			
B	1	Fresh	July-September
	2	Continuation	Odd Semester (July-September)
			Even Semester (January-February)
<b>ADMISSION TEST FOR M.Sc. IT PROGRAMME</b>			
C	August		
<b>ANNUAL PROGRAMMES</b>			
D	1	Fresh	July-September
	2	Continuation	July-September
<b>DISTRIBUTION OF SLM</b>			
<b>SEMESTER/ANNUAL (TRADITIONAL PROGRAMMES)</b>			
A	1	Fresh	July-October
	2	Continuation	July-October
<b>SEMESTER (IT PROGRAMMES)</b>			
B	1	Odd Semester	July-October
	2	Even Semester	Jan-March
<b>CONTACT CLASSES</b>			
<b>SEMESTER (TRADITIONAL PROGRAMMES)</b>			
A	1	Odd Semester	September-December
	2	Even Semester	March-June
<b>SEMESTER (IT PROGRAMMES)</b>			
B	1	Odd Semester	September-December
	2	Even Semester	March-June
<b>ANNUAL PROGRAMME</b>			
C	1	Previous	December-May
	2	Final	December-May
<b>EXAMINATION : TERM END</b>			
<b>SEMESTER (TRADITIONAL/IT)</b>			
A	1	Previous	July-August (All Sundays)
	2	Final	July-August (All Sundays)
<b>ANNUAL</b>			
August-September (All Sundays)			
B	<i>Schedule may change as per directive of the controller of Examination, GU/Govt. of Assam</i>		

<b>EXAMINATION: Sessional (OMR based Internal Examination)</b>			
A	<b>SEMESTER (TRADITIOAN/IT)</b>		
	1	Odd Semester	November
	2	Even Semester	May
<b>ANNUAL</b>			
January			
<b>DECLARATION OF RESULT (Term End)</b>			
<b>SEMESTER (TRADITIONAL/IT)</b>			
A	1	Odd Semester	May-June
	2	Even Semester	November-December
B	<b>ANNUAL</b>		
	Januray		

## ENCLOSURE-III

### SLM covering syllabus

Sr. No.	Semester	Course Code	Course Name
1	I	1.1	History of Assamese Literature (Early and Medieval Period)
2		1.2	Assamese Poetry
3		1.3	Eastern Literary Criticism
4		1.4	Culture of Assam
5		1.5	Introduction to Linguistics
6	II	2.1	History of Assamese Literature (Modern Period)
7		2.2	Assamese Drama
8		2.3	Western Literary Criticism
9		2.4	Literary Theory and Trends
10		2.5	Introduction to Sanskrit Literature
11	III	3.1	Assamese Prose
12		3.2	Assamese Novel
13		3.3	Assamese Short Story
14		3.4	Script and Textual Criticism
15		3.5(A)	Comparative Literature and Translation Studies
16		3.5(B)	Linguistics and Its Fields of Study
17	IV	4.1(A)	Bhakti Literature
18		4.1(B)	Middle Indo-Aryan Texts
19		4.2(A)	Sanskrit Literature
20		4.2(B)	Comparative Grammar of Indo-Aryan Language
21		4.3(A)	Western Literature
22		4.3(B)	Historical Development of Assamese Language and its Present Structure
23		4.4(A)	Study of Indian Literature
24		4.4(B)	Socio- Linguistics, Dialectology and Dialects of Assamese Language
25		4.5(A)	Selected texts of Special Author
26		4.5(B)	Tibeto-Burman Languages and Linguistics

**GAUHATI UNIVERSITY**  
**INSTITUTE OF DISTANCE AND OPEN LEARNING**

**Programme Project Report**

**PPR ID : GU/GUIDOL/PPR/09 (Total no. pages : 13 )**

**Programme: Masters of Arts (M.A.) in Bengali**

**1. Programme mission and objective:**

The mission of the Programme to be launched is "to foster the latent aesthetic and critical capabilities of students for proper appreciation of the fullest import of Language and literature on the individual and society and also to create the knowledge of the Bengali language, literature and culture".

**Objectives of the Programme:**

- to promote higher education and research in the field of Bengali Language, Literature and Culture,
- to enhance and develop their knowledge and understanding of the theoretical foundations of Bengali Language, Literature and Culture,
- to utilize the pool of human resources from the domain of Bengali literature into its various allied domains for the sustenance of culture in society at large,
- to think critically to aid decision-making
- to generate competent and well-educated man-power for the teaching profession as well as manning positions as research associates in public/private sector academic institutions.

**2. Relevance of the programme with HEI's mission and goals:**

Gauhati University was established in 1948 with a mission to revitalize educational leadership, to set the standard for the production and dissemination of knowledge as well as to become an effective instrument of change in the society. With this aim in view, the Department of Bengali was established in 1961 and has set up, over the years, a close association with different cultural bodies and literary foundations of local languages which gives opportunity to the students to acquire knowledge of language, literature and culture.



Keeping in view the motto of “*Quality Higher Education For All*” Masters of Arts in Bengali to be offered through ODL mode is very much relevant to the HEI’s mission and goals as it aims to provide quality higher education in field of Bengali Literature and language to those aspiring candidates who are deprived of higher education due to the limited number of intake in the conventional mode of education in the Universities. Moreover, to keep the quality intact the curriculum and syllabi has been designed at par with the conventional mode keeping in mind the specific needs and acceptability of the learners in the ODL mode and in keeping with the aims and objectives of the parent department.

3. **Nature and target group of learners:** Our target group includes-

- (1) those deprived of admission in the parent Department of regular mode due to limited intake capacity.
- (2) those employed in various organizations who desire to pursue higher education as a passion or as a means for movement up the promotional ladder
- (3) drop outs primarily due to social , financial and economic compulsions as well as demographic factors.
- (4) job seekers.
- (5) life-long learners

Gauhati University also has a provision in the ODL mode for lateral entry for those who had to discontinue the regular programme after successful completion of the first two semesters due to unavoidable reasons. Acceptability of the lateral entry provision is an indicator of parity of the programme in regular and distance mode. The curriculum is designed to enable learners to fulfill their aims and objectives in a manner they deem fit and proper. The curriculum is designed by a committee comprising of experts from the Department of the HEI, external experts and teachers of IDOL, keeping in view the needs of the diverse class of learners.

3. **Appropriateness of the programme to be conducted in the ODL mode for acquiring specific skills and competence-** The programmes is to be offered through ODL Mode will have certain learning outcomes. The programmes will help the learners

- *to enhance and develop their knowledge and understanding of the theoretical foundations of Bengali Language, Literature and Culture*



- *to create knowledge of the contribution and effect of the Bengali language, literature and culture in the people and local languages of the north eastern state of the India,*
- *to acquire a foundation for future research in the field of Language, Literature and Culture at large,*
- *to commit to action that demonstrates care for others*

The learners will also be acquainted with various generic skills and competencies for Team Work, Time Management, Commercial Awareness, Critical thinking and comparative analysis.

#### 5. **Instructional Design:**

- a) **Curriculum Design:** The curriculum is designed by a committee comprising experts from the parent department of the HEI, IDOL, keeping in view the needs of the diverse class of learners.
- b) **Detailed Syllabus:** File containing detailed syllabus is attached.
- c) **Duration of the Program:** Minimum 2 years. However, the learners are required to complete the programme within 4 (four) years from the date of admission.
- d) **Instructional Delivery Mechanism:** The programme will be delivered in 4 (four) semesters having 4(four) course/paper in each semesters and also the facility to choice of the optional courses. The learners will be provided with the printed SLM which covers almost all the contents in the syllabus (Enclosure-III). Counselling class will be held in headquarter and various affiliated study centres. Telephonic Counseling and providing online learning resource will also be a part of instructional Delivery mechanism. The progress of the learners will be evaluated by Internal Assessment and Term end/semester end exam.
- e) **Faculty:**
  1. Prof. Amalendu Chakrabarty, Head of the Department, Department of Bengali, Gauhati University nominated as Coordinator of the ODL programme in Bengali
  2. Part time resource persons drawn from amongst teachers of affiliated colleges, researchers and faculty staff of the Department of HEI.
- f) **Media:** Print Media, ICT based content, content delivered through e-learning portal.

- g) **Student Support Service:** In order to successfully execute the programme, the Institute has a wide range of support services. The various support services are listed as below-
- (i) **Network of Study Centres:** To assist its learner IDOL has established 96 study centres throughout the State of Assam.(within the territorial jurisdiction)
  - (ii) **State of the art Library** with around 7 thousand collections of materials which includes books, journals, magazines, CD and DVDs.
  - (iii) **E- Learning Portal:** [www.bodhidroom.guidol.in](http://www.bodhidroom.guidol.in) the first of its kind in the entire North east region of India, which provides the following services to the students:
    - Online enrolment of students
    - Independent Discussion Forum for every course
    - Independent News Forum for every course
    - Online interaction facility with faculty members
    - Online interaction between the students making the scope of collaborative learning
    - Interaction through chatting of all users of all courses who are online.
    - Separate Chat Room for individual course
    - **Message My Teacher:** When a student logged on to Bodhidroom, after enrolling himself/herself to a course, he/she will see the names of the virtual class teachers. Student can directly send offline messages to the teachers. When the teacher is logged on, he will receive an alert of incoming messages. Then he can reply to the message.
    - Online Study Material
    - Old Examination Question Papers
  - iv) **Dynamic Website [www.idolgu.in](http://www.idolgu.in)** : IDOL has its own dynamic website where one can get all the information regarding IDOL, its programme, up-coming events, examination result etc.
  - v) **Computerised admission process with provision of online admissions:** The whole system of admissions and examinations are managed using professional software which gives instant online access to learners. Can be accessed through [www.idolgu.in](http://www.idolgu.in) .
  - vi) **Flexible Walk in Group Counselling (FWGC):** Regular group and individual counselling will be held in the IDOL (headquarter) complex as well as in the parent department during all working days. Learners may walk-in to the designated IDOL counselling room and meet their teachers to clarify their doubts.

vii) **PERSONAL CONTACT PROGRAMME(PCP)** :In addition to the Study Materials, useful Personal Contact Programmes will be held at various affiliated study centres, which will enable the students to clarify their confusions and ease their difficulty while going through it. Qualified faculty members of affiliated study centres will help out the attending students by providing necessary tips and guidelines during the interactive sessions. These sessions are also meant to give the students a chance to meet the teachers personally and discuss their problems.

viii) **Community FM Radio**: Gauhati University has its own Community radio station named as “Radio Luit 90.8 FM” and operates daily from 8AM to 8PM. The Community Radio station shall be extensively used to broadcast radio talks on various courses daily. The broadcast contents are designed as per the requirements by teaching staff of both the ODL Institute as well as the parent department. Experts are outsourced if the need arises.

#### 6. **Procedure for Admissions, Curriculum transaction and Evaluation-**

**Admission-** The admission process starts from August and end by the end of September every year. The learner can go for either offline or online admission process. The minimum eligibility for MA in Bengali is any graduate from any recognized Indian or Foreign university. The proposed fees for admission is Rs 7000.00 (Seven Thousand only) per year. Financial Assistance is provided to the candidates belonging to SC/ST and OBC category in the form of scholarship. Few learners belonging to the economically deprived section as well as the physically challenged category are provided free ship on the recommendation of the Vice Chancellor

**Curriculum transaction:** The curriculum shall be transacted throughout the year as per the *Activity Planner* which is enclosed as an annexure.

**Evaluation-** Each course/module shall carry 80% weightage for the term-end examinations and 20% for internal evaluation in the form of Home Assignments/internal examinations. In order to pass/clear a course/paper in a subject, a candidate must secure minimum 35% Marks in each course/paper. All examinations are conducted by the Controller of Examinations as per Rules and Regulations of the Gauhati University .

7. **Library Resource:** The University has a State of the Art Central Library with rich collections of materials which includes books, journals, magazines, CD and DVDs, and is accessible to the ODL learners as well. Moreover, the Institute has its own Library where various books, journals and magazines related to commerce education are available.

8. **Estimated cost of the Programme:** Total estimated cost of the programme is approximately Rs. 40 Lakhs which includes preparation and printing of SLMs, remuneration of the Resource persons, establishment cost and overheads. The estimate is evaluated considering the unit expenses of Rs.2.5 Lakhs per paper /1000 students for the entire duration of two years.

9. **Quality assurance Mechanism and Expected Programme outcome:**

- **Quality assurance Mechanism** :The institute has a *Centre for Internal Quality Assurance (CIQA)* constituted by the statutory body of the HEI. Members of the Cell are drawn from among the Deans of the different Faculty, Heads of the respective departments, Executive Council members, administrative staff and teaching staff of the institute. The Internal Quality Assurance Cell shall review the relevance and standard of the programme from time to time and make necessary changes in the syllabus and contents of the programme. The HEI shall continuously monitor the effectiveness of the program through *CIQA* and other statutory bodies.
- **Expected Programme outcome:** The expected programme outcome is reflected in the Course Benchmark Statement, which is stated as below-

Course Benchmark Statement: Master's degree in the Bengali shall be awarded to those learners who demonstrate:

- knowledge and understanding of the theoretical foundations of Bengali Language, Literature and Culture
- competency in the domain of literary criticism and analysis
- mastery over the language for use in all communicative purposes such as reading, writing, speaking, and performing
- professional competency in the relevant field.

M.A (IDOL) Syllabus

**1st Semester-- History of Bengali Literature & Mediaval Text**

1st Paper: প্রাচীন ও মধ্যযুগের বাংলা সাহিত্যের ইতিহাস ও কাব্য

Unit One-- বাংলা সাহিত্যের ইতিহাস ষোড়শ শতক পর্যন্ত

Unit Two-- বাংলা সাহিত্যের ইতিহাস ১৬০১-১৭৫৭

Unit Three-- চর্যাপদ (কাহ্ন ও ভূসুকু- পাঁচটি করে গদ)

Unit Four-- শ্রীকৃষ্ণকীর্তনকাব্য (নির্বাচিত অংশ- তাম্বুল এবং বিরহখণ্ড)

2nd Paper: আধুনিক বাংলা গদ্য সাহিত্যের ইতিহাস

Unit One-- বাংলা গদ্যের বিকাশ, সাময়িক পত্র এবং প্রবন্ধের ইতিহাস

Unit Two-- বাংলা ছোটগল্পের ইতিহাস ১৯৭২ পর্যন্ত

Unit Three-- উপন্যাস-- রবীন্দ্র-পূর্ববর্তী ও রবীন্দ্রনাথ

Unit Four-- উপন্যাস-- রবীন্দ্র-সমসাময়িক ও রবীন্দ্র-পরবর্তী

3rd Paper: আধুনিক বাংলা কাব্য ও নাটকের ইতিহাস

Unit One-- বাংলা কবিতার ইতিহাস-- উনিশ শতক

Unit Two-- বাংলা কবিতার ইতিহাস-- ১৯৭২ পর্যন্ত

Unit Three-- বাংলা নাটকের ইতিহাস -- উনিশ শতক

Unit Four-- বাংলা নাটকের ইতিহাস-- ১৯৭২ পর্যন্ত

4th Paper: মধ্যযুগের কাব্য-কবিতা

Unit One-- বৈষ্ণব পদাবলি (নির্বাচিত পদকার -- বিদ্যাপতি, চণ্ডীদাস, জ্ঞানদাস ও গোবিন্দদাস) হরেকৃষ্ণ মুখোপাধ্যায় সম্পাদিত 'বৈষ্ণব পদাবলি'

Unit Two-- গোরক্ষবিজয় কাব্য

Unit Three-- ময়মনসিংহ গীতিকাব্য (মথুরা, কাজলরেখা, চন্দ্রাবতী, লীলা ও কঙ্ক, দেওয়ানা মদিনা)

Unit Four-- রামেশ্বরের 'শিবায়ন কাব্য'। (ক.বি. প্রকাশিত বইয়ের নির্বাচিত পাঠ- চাষপালা)

**2nd Semester--Modern Bengali Text**

1st Paper: উনিশ-বিশ শতকের কাব্য ও কবিতা

Unit One-- মাইকেল মধুসূদন দত্ত - মেঘনাদবধকাব্য (নির্বাচিত অংশ -- প্রথম, তৃতীয়, নবম সর্গ)

Unit Two-- বিহারীলাল চক্রবর্তী - সারদামঙ্গলকাব্য (নির্বাচিত অংশ -- প্রথম, তৃতীয়, পঞ্চম সর্গ)

Unit Three-- রবীন্দ্রনাথ ঠাকুর - চিত্রা (চিত্রা, জীবনদেবতা, এবার ফিরাও মোরে, বিজয়িনী, স্বর্গ হইতে বিদায়)

Unit Four-- জীবনানন্দ দাশ - ধূসর পাতুলিপি (ক্যাম্পে, বোধ, পাখিরা, মৃত্যুর আগে, শকুন)

2nd Paper: উনিশ-বিশ শতকের নাটক

Unit One-- বিরিশচন্দ্র ঘোষ - জনা

Unit Two-- দ্বিজেন্দ্রলাল রায় - নূরজাহান

Unit Three-- মন্থর রায় - কারাগার

Unit Four-- বিজন ভট্টাচার্য - দেবীগর্জন

**3rd Paper: ঊনিশ-বিশ শতকের উপন্যাস ও ছোটগল্প**

Unit One-- রাজসিংহ- বঙ্কিমচন্দ্র চট্টোপাধ্যায়

Unit Two-- চতুরঙ্গ- রবীন্দ্রনাথ ঠাকুর

Unit Three-- জাগরী- সতীনাথ ভাদুড়ী

Unit Four-- নারায়ণ চট্টোপাধ্যায়ের শ্রেষ্ঠ গল্প- (নির্বাচিত গল্প- টোপ, হাড়, দুঃশাসন, বনতুলসী, ভাড়া চশমা)

**4th Paper: ঊনিশ-বিশ শতকের প্রবন্ধ**

Unit One-- সীতার বনবাস- ঈশ্বরচন্দ্র বিদ্যাসাগর

Unit Two-- জীবনমূর্তি- রবীন্দ্রনাথ ঠাকুর

Unit Three-- প্রাচ্য ও পাশ্চাত্য- স্বামী বিবেকানন্দ

Unit Four-- প্রবন্ধ সংগ্রহ – প্রমথ চৌধুরী (সাহিত্যে বেলা, বইপড়া, ভারতচন্দ্র, জয়দেব, রামমোহন রায়)

**3rd Semester-- Indian & Western Literary Theory/ Vaishnava, Shakta and Modern Literary Texts**

**1st Paper: প্রাচ্য ও পাশ্চাত্যের সাহিত্যতত্ত্ব**

Unit One-- রসবাদ

Unit Two-- ধ্বনিবাদ

Unit Three-- অ্যারিস্টোটেলের পোয়েটিক্‌স্ (মহাকাব্য ও ট্রাজেডি)

Unit Four-- সাহিত্যের পথে ( অমিয় চক্রবর্তীকে লেখা রবীন্দ্রনাথের চিঠি, বাস্তব, তথ্য ও সত্য; সাহিত্যের তাৎপর্য, সাহিত্যতত্ত্ব)

**2nd Paper: বৈষ্ণব ও শাক্ত সাহিত্য**

Unit One-- উচ্ছলনীলমণি -- নায়িকাভেদ প্রকরণ, শূদ্রাভেদ প্রকরণ (পূর্বরাগ)

Unit Two-- চৈতন্যচরিতকাব্য-- কৃষ্ণ-রাধা-গৌরতন্ত্র, সাধ্যসাধন তত্ত্ব

Unit Three-- চৈতন্যচরিতকাব্য-- বেদান্ত বিচার, শিক্ষাষ্টক

Unit Four-- শাক্তপদাবলি -- আগমনি ও বিজয়া

**3rd Paper: আধুনিক সাহিত্য- ১**

Unit One-- পলাশীর যুদ্ধ- নবীনচন্দ্র সেন

Unit Two-- সখবার একাদশী- দীনবন্ধু মিত্র

Unit Three--বিবিধ প্রবন্ধ - বঙ্কিমচন্দ্র চট্টোপাধ্যায় ( শকুন্তলা-মিরাজা-দেসবিমোনা, বঙ্গদেশে কৃষক, বাঙ্গালার নব্য লেখকদের প্রতি, জয়দেব-বিদ্যাপতি)

Unit Four-- কৃষ্ণকান্তের উইল- বঙ্কিমচন্দ্র চট্টোপাধ্যায়

**4th Paper: আধুনিক সাহিত্য- ২**

Unit One-- অনুপূর্বা- যতীন্দ্রনাথ সেনগুপ্ত (নির্বাচিত কবিতা- ঘুমের ঘোরে, শিবভোজ, দুঃখবাদী, কেতকী, কচিডাব)

Unit Two-- রক্তমণির হারে ( আপদ, পরিচিতা, চৌত্রিশ গয়লা, উইপোকা, জটাঘু)

Unit Three-- তপস্বী ও তরঙ্গিনী- বুদ্ধদেব বসু

Unit Four-- আরণ্যক- বিদ্বুতিভূষণ বন্দ্যোপাধ্যায়



**4th Semester-- Special Paper on Rabindranath, Provential Literature, History Bengali Language and MIA Texts**

**1st Paper: রবীন্দ্র-সাহিত্য**

Unit One-- রবীন্দ্র-সাহিত্যের ইতিহাস (কাব্য, নাটক, উপন্যাস, ছোটগল্প)

Unit Two-- আত্মপরিচয়

Unit Three-- বলাকা (কবিতা সংখ্যা- ১,৪,৬,৭,৮,১৯,২২,৩৬,৩৭,৩৮)

Unit Four-- রক্তকরবী

**2nd Paper: প্রাদেশিক সাহিত্য**

Unit One-- আমার জীবনস্মৃতি- লক্ষ্মীনাথ বেজবরুয়া

Unit Two-- কুড়ি শতিকার অসমিয়া কবিতা (সম্পাদক- নীলমণি ফুকন) নির্বাচিত কবিতা- মোর জীবনের সখা  
কৃষ্ণ- জ্যোতিপ্রসাদ আগরওয়াল, কেরণী শেলীর চিঠি- মহেন্দ্র বরা, বিপ্লবী- অমূল্য বরুয়া, সাগর  
দেবিছা- দেবকান্ত বরুয়া, মমতার চিঠি- হেম বরুয়া।

Unit Three-- ভারতজোড়া গল্পকথা- (সম্পা. রামকুমার মুখোপাধ্যায়) নির্বাচিত গল্প- মাছ ও মানুষ,  
টোবা টেক সিং, বিজয় উৎসব, ইলিশ মাছের খাদ।

Unit Four-- ফনীশরনাথ 'রেনু'র ছোটগল্প সংকলন 'রেনু রচনা সঞ্চয়ন' অনুবাদ-ননী সুর। (নির্বাচিত গল্প-  
ইতিহাস-ধর্ম আর মানুষ, তৃতীয় শপথ, এক আদিম রাত্রির সুবাস, ভিত্তিচিরের ময়ূরী)

**3rd Paper: মধ্য ভারতীয় আর্য ভাষার উদ্ভব, বিকাশ, বৈশিষ্ট্য ও সাহিত্য**

Unit One- ম.ভা.আ সাহিত্য

পাঠমঞ্জরী (ক.বি প্রকাশিত)-

ক)সুভাসিত (১-১০),

খ)অভিজ্ঞানশকুন্তলম্ (৫৬ নং)

গ)হালের 'গাহ্যসত্তসই' (১-১০)

Unit Two- মধ্যভারতীয় আর্য ভাষার ব্যাকরণ ১ -

প্রাচীন ভারতীয় আর্য ভাষা থেকে মধ্য ভারতীয় আর্য ভাষার উদ্ভব ও ক্রমবিকাশ, প্রাকৃত ভাষার  
সংজ্ঞা বিচার, প্রাকৃত ভাষার ধ্বনিতাত্ত্বিক ও রূপতাত্ত্বিক বৈশিষ্ট্য।

Unit Three মধ্যভারতীয় আর্য ভাষার ব্যাকরণ ২ -

প্রাকৃত ভাষার বিভিন্ন স্তর, অশোক প্রাকৃত, সাহিত্যিক প্রাকৃতের আঞ্চলিক রূপভেদ ও বৈশিষ্ট্য বিচার,  
অপভ্রংশ ও অবহট্ট।

Unit Four- পালিভাষা পরিচয়

ক) পালিভাষার উদ্ভব ও বিকাশ, ব্যুৎপত্তি, উৎপত্তি স্থল, মিশ্রভাষা হিসাবে পালি।

খ) পালিভাষার রূপতাত্ত্বিক ও ধ্বনিতাত্ত্বিক বৈশিষ্ট্য।

**4th Paper: বাংলা ভাষার উদ্ভব, বিকাশ ও বৈশিষ্ট্য [মূল সহায়ক গ্রন্থ- ভাষার ইতিবৃত্ত- সুকুমার সেন]**

Unit One- প্রা.ভা.আ থেকে বাংলা ভাষার উদ্ভব, প্রাচীন-মধ্য-নব্য বাংলা ভাষার কালবিচার এবং ত্রি-স্তরীয়  
বাংলা ভাষার রূপতাত্ত্বিক ও ধ্বনিতাত্ত্বিক বৈশিষ্ট্য।

Unit Two- বাংলা ভাষার শব্দভাণ্ডার, শব্দার্থ পরিবর্তনের কারণ এবং শব্দার্থ পরিবর্তনের ত্রিধারা, বাংলা উপভাষা, বাংলা চলিত বনাম সাধুভাষা।

Unit Three- স্বর ও ব্যঞ্জনধ্বনির শ্রেণিবিভাগ, ধ্বনি পরিবর্তনের বিভিন্ন কারণ ও সূত্র, ব্যঞ্জনব্যবহিত স্বরধ্বনি, সম্মিকৃষ্ট স্বরধ্বনি।

Unit Four- প্রত্যয়, উপসর্গ, বচন, লিঙ্গ, কারক ও বিভক্তি, কারকবাচক অনুসর্গ, সর্বনাম, যৌগিক ক্রিয়া, যৌগিক কাল, কৃদন্ত অতীত কাল।

---



**ACADEMIC CALENDAR**  
**Gauhati University Institute of Distance and Open Learning**  
**Guwahati- 781014, Assam**

<b>ADMISSION</b>			
<b>SEMESTER (TRADITIONAL PROGRAMME)</b>			
A	1	Fresh	July-September
	2	Continuation	July-September
<b>SEMESTER (IT PROGRAMMES)</b>			
B	1	Fresh	July-September
	2	Continuation	Odd Semester (July-September)
			Even Semester (January-February)
<b>ADMISSION TEST FOR M.Sc. IT PROGRAMME</b>			
C	August		
<b>ANNUAL PROGRAMMES</b>			
D	1	Fresh	July-September
	2	Continuation	July- September
<b>DISTRIBUTION OF SLM</b>			
<b>SEMESTER/ANNUAL (TRADITIONAL PROGRAMMES)</b>			
A	1	Fresh	July-October
	2	Continuation	July-October
<b>SEMESTER (IT PROGRAMMES)</b>			
B	1	Odd Semester	July-October
	2	Even Semester	Jan-March
<b>CONTACT CLASSES</b>			
<b>SEMESTER (TRADITIONAL PROGRAMMES)</b>			
A	1	Odd Semester	September-December
	2	Even Semester	March-June
<b>SEMESTER (IT PROGRAMMES)</b>			
B	1	Odd Semester	September-December
	2	Even Semester	March-June
<b>ANNUAL PROGRAMME</b>			
C	1	Previous	December-May
	2	Final	December-May
<b>EXAMINATION : TERM END</b>			
<b>SEMESTER (TRADITIONAL/IT)</b>			
A	1	Previous	July-August (All Sundays)
	2	Final	July-August (All Sundays)
<b>ANNUAL</b>			
August-September (All Sundays)			
B	<i>Schedule may change as per directive of the controller of Examination, GU/Govt. of Assam</i>		

<b>EXAMINATION: Sessional (OMR based Internal Examination)</b>			
A	<b>SEMESTER (TRADITIOAN/IT)</b>		
	1	Odd Semester	November
	2	Even Semester	May
<b>ANNUAL</b>			
January			
<b>DECLARATION OF RESULT (Term End)</b>			
<b>SEMESTER (TRADITIONAL/IT)</b>			
A	1	Odd Semester	May-June
	2	Even Semester	November-December
B	<b>ANNUAL</b>		
	Januray		

**ENCLOSURE-III**  
**SLM covering syllabus**

<b>SL No</b>	<b>Course No</b>	<b>Course Name</b>
<b>SEMESTER I</b>		
1	PAPER 1.1	Prasin U Madhey Juger Bangla Itihaser Itihas U Kavya
2	PAPER 1.2	Adhunik Bangla Sahityar Itihas
3	PAPER 1.3	Adhunik Bangla Kavya U Natoker Itihas
4	PAPER 1.4	Madhyo Juger Kavya Kabita
<b>SEMESTER II</b>		
5	PAPER 2.1	19 Bingso Satoker Kavya U Kabita
6	PAPER 2.2	19 Bingso Satoker Natak
7	PAPER 2.3	19 Bingso Satoker Upanyas U Soto Golpo
8	PAPER 2.4	19 Bingso Satoker Prabondho
<b>SEMESTER III</b>		
9	PAPER 3.1	Prasyo U Passyatyer Sahitya Tattva
10	PAPER 3.2	Baisnov U Sakta Sahitya
11	PAPER 3.3	Adhunik Sahitya-1
12	PAPER 3.4	Adhunik Sahitya-2
<b>SEMESTER IV</b>		
13	PAPER 4.1	Rabindra Sahitya
14	PAPER 4.2	Pradesik Sahitya
15	PAPER 4.3	Madhya Bharatiya Arjya Bhasara Udvob, Bikas, Baisistya U Sahitya
16	PAPER 4.4	Bangla Bhasar Udvob, Bikas, Baisistya U Sahitya

**GAUHATI UNIVERSITY**  
**INSTITUTE OF DISTANCE AND OPEN LEARNING**

**Programme Project Report**

**PPR ID : GU/GUIDOL/PPR/10 (Total no. pages : 15 )**

**Programme: Masters of Arts (M.A.) in Bodo**

**1. Programme mission and objective:**

The mission of the programme is to cater to the need of higher education in Boro literature and to promote Boro literary and cultural heritage as an expression of the cultural and ethnic diversity of the state.

**Objectives of the programme are:**

- *to develop conceptual understanding of Bodo literature and history*
- *to build up among learners an ability for critical and analytical understanding of Bodo literary texts*
- *to enable learners to explore various dimensions of Bodo language and culture*
- *to enable learners for a comparative study of Bodo with literatures in Assamese.*
- *to enable learners to acquire a mastery over the language for use in all communicative purposes such as reading, writing, speaking, and performing.*

**2. Nature and target group of learners:** Our target group includes-

- 1) those who are deprived of admission in the parent Department of Bodo of regular mode due to limited intake capacity.
- 2) those employed in various organizations who desire to pursue higher education as a passion or as a means for movement up the promotional ladder
- 3) drop outs primarily due to social , financial and economic compulsions as well as demographic factors.
- 4) job seekers.

Gauhati University also has a provision in the ODL mode for lateral entry for those who had to discontinue the regular programme after successful completion of the first two semesters due to unavoidable reasons. Acceptability of the lateral entry provision is an

পঞ্জীয়ক

গুৱাহাটী বিশ্ববিদ্যালয়, গুৱাহাটী-১৪

Registrar

Gauhati University, Guwahati-14

indicator of parity of the programme in regular and distance mode. The curriculum is designed to enable learners to fulfill their aims and objectives in a manner they deem fit and proper. The curriculum is designed by a committee comprising of experts from the Department of the HEI , external experts and teachers of IDOL, keeping in view the needs of the diverse class of learners.

### **3. Relevance of the Programme with HEI's Mission and Goals:**

Gauhati University was established in 1948 with a mission to revitalize educational leadership, to set the standards for the production and dissemination of knowledge as well as to become an effective instrument of change in the society. Earlier the study of Bodo Literature and culture have been incorporated in the Department of Modern Indian Language and Literary Studies (MIL) which has been acting as the nodal centre for Bodo literary studies. The department of MIL, established in the year 1967. An independent department of Bodo was established in the year 2004 by a resolution of the Academic Council of Gauhati University and later was approved for the MA programme in Bodo.

Master of Arts (M.A.) in Bodo is offered through ODL mode with the motto of *“quality higher education for all”*, is in sync with the HEI's mission and goals because it aims acquaint learners with the knowledge of Bodo language, literature and culture. Efforts were made to design the curriculum which would help learners to gain familiarity with Bodo language and literature and enable them for comparative literary-cultural study vis-a-vis the other languages and literatures of the country. The syllabus is designed to prepare learners to seek placements in educational institutions, research institutions and industrial sector.

### **4. Appropriateness of the programme to be conducted in the ODL mode for acquiring specific skills and competence-**

The M.A. Programme in Bodo offered/ to be offered through ODL mode will have certain learning outcomes. The programme will help the learners:

- To gain a comprehensive knowledge of Bodo literature and language.
- To achieve an expertise in literary analysis and criticism.
- To build up necessary competence among learners required for scholarship and teaching of Bodo literature.

- To acquire mastery in Bodo language for all communicative purposes including reading, writing, performing and speaking.
- To conduct a comparative study of Bodo with other languages and literatures of the state and the country.

**5. Instructional Design:**

- a) **Curriculum Design:** The curriculum is designed by a committee comprising experts from the parent department of the HEI, IDOL, keeping in view the needs of the diverse class of learners.
- b) **Detailed Syllabus:** File containing detailed syllabus is attached.
- c) **Duration of the Program:** Minimum 2 years. However, the learners are required to complete the programme within 4 (four) years from the date of admission.
- d) **Instructional Delivery Mechanism:** At present the programme is offered under the annual mode however with effect from 2018-19 the semester system will be introduced and the programme will be delivered in four(4) semesters having four (4) course/paper in each semesters. The learners will be provided with the printed SLM which covers almost all the contents in the syllabus. Counseling class will be held in headquarter and various affiliated study centres. Telephonic Counseling and providing online learning resource will also be a part of instructional delivery mechanism. The progress of the learners will be evaluated by Internal Assessment and Term end/semester end exam.
- e) **Faculty:**
  1. Dr. Bhupen Narzaree, Professor, Department of Bodo, Gauhati University nominated as Coordinator of the ODL programme in Bodo
  2. Assistant Prof/Academic councellors in Boro at GUIDOL has been advertised and will be processed for appointment by the year end.
  3. Part time resource persons drawn from amongst teachers of affiliated colleges .
- f) **Media:** Print Media.

**g) Student Support Service:** In order to successfully execute the programme, the Institute has a wide range of support services. The various support services are listed as below-

i) **Network of Study Centres:** To assist its learner IDOL has established 96 study centres (List Enclosed) throughout the State of Assam.(within the territorial jurisdiction)

ii) **State of the art Library** with around 7 thousand collections of materials which includes books, journals, magazines, CD and DVDs.

iii) **E- Learning Portal:** [www.bodhidroom.guidol.in](http://www.bodhidroom.guidol.in) the first of its kind in the entire North east region of India. Which provides the following services to the students:

- Online enrolment of students
- Independent Discussion Forum for every course
- Independent News Forum for every course
- Online interaction facility with faculty members
- Online interaction between the students making the scope of collaborative learning
- Interaction through chatting of all users of all courses who are online.
- Separate Chat Room for individual course
- **Message My Teacher:** When a student logged on to Bodhidroom, after enrolling himself/herself to a course, he/she will see the names of the virtual class teachers. Student can directly send offline messages to the teachers. When the teacher is logged on, he will receive an alert of incoming messages. Then he can reply to the message.
- Online Study Material
- Old Examination Question Papers

iv) **Dynamic Website** [www.idolgu.in](http://www.idolgu.in) : IDOL has its own dynamic website where one can get all the information regarding IDOL, its programme, up-coming events, examination result etc.

v) **Computerised admission process with provision of online admissions:** The whole system of admissions and examinations are managed using professional software which gives instant online access to learners. Can be accessed through [www.idolgu.in](http://www.idolgu.in).

- vi) **Flexible Walk in Group Counselling (FWGC):** Regular group and individual counselling will be held in the IDOL (headquarter) complex as well as in the parent department during all working days. Learners may walk-in to the designated IDOL counselling room and meet their teachers to clarify their doubts.
- vii) **PERSONAL CONTACT PROGRAMME(PCP):** In addition to the Study Materials, useful Personal Contact Programmes will be held at various affiliated study centres, which will enable the students to clarify their confusions and ease their difficulty while going through it. Qualified faculty members of affiliated study centres will help out the attending students by providing necessary tips and guidelines during the interactive sessions. These sessions are also meant to give the students a chance to meet the teachers personally and discuss their problems.
- viii) **Community FM Radio:** Gauhati University has its own Community radio station named as “Radio Luit 90.8 FM” and operates daily from 8AM to 8PM. The Community Radio station shall be extensively used to broadcast radio talks on various courses daily. The broadcast contents are designed as per the requirements by teaching staff of both the ODL Institute as well as the parent department. Experts are outsourced if the need arises.

## **6. Procedure for Admissions, Curriculum transaction and Evaluation-**

**Admission-** The admission process shall start from August and end by the end of September every year. The learner can go for either offline or online admission process. The minimum eligibility is graduates from any recognized Indian or Foreign university. The proposed fees for admission is Rs 7000.00(Seven Thousand only) per year. Financial Assistance is provided to the candidates belong to SC/ST and OBC category in the form of scholarship. Few learners belonging to the economically deprived section as well as the physically challenged category are provided free ship on the recommendation of the Vice Chancellor

### **\*Curriculum transaction- Activity Planner:**

**\*Evaluation-** Each course/module shall carry 80% weightage for the term-end examinations and 20% for internal evaluation in the form of Home Assignments/internal examinations. In order to pass/clear a course/paper in a subject, a candidate must secure



minimum 35% Marks in each course/paper. All examinations are conducted by the Controller of Examinations as per Rules and Regulations of the Gauhati University .

7. **Library Resource:** The University has a State of the Art Central Library with rich collections of materials which includes books, journals, magazines, CD and DVDs, and is accessible to the ODL learners as well. Moreover, the Institute has its own Library where various books, journals and magazines related to commerce education are available.
8. **Estimated cost of the Programme:** total estimated cost of the programme is approximately Rs. 40 Lakhs which includes preparation and printing of SLMs, remuneration of the Resource persons, establishment cost and overheads. The estimate is evaluated considering the unit expenses of Rs.2.5 Lakhs per paper /1000 students for the entire duration of two years.
9. **Quality assurance Mechanism and Expected Programme outcome:** The institute has a *Centre for Internal Quality Assurance (CIQA)* constituted by the statutory body of the HEI. Members of the Cell are drawn from among the Deans of the different Faculty, Heads of the respective departments, Executive Council members, administrative staff and teaching staff of the institute. The Internal Quality Assurance Cell shall review the relevance and standard of the programme from time to time and make necessary changes in the syllabus and contents of the programme. The HEI shall continuously monitor the effectiveness of the program through *CIQA* and other statutory bodies.

**Course Benchmark Statement:** Please refer to para 4 above. Further, learners will be equipped for professional competence and employability.

ENCLOSURE-I

**Department of Bodo  
Syllabus for MA in Bodo  
(Previous and Final Examination)**

**MA Previous**

PAPER I :	POETRY	:	100 Marks
PAPER II :	DRAMA	:	100 Marks
PAPER III :	NON-FICTIONAL PROSE AND CRITICAL STUDY AND ASSESSMENT OF LITERATURE :		100 Marks
	<i>1<sup>st</sup> Part : Non-Fictional Prose(Essay &amp; Biography)</i>	:	<i>40 Marks</i>
	<i>2<sup>nd</sup> Part : Critical Study of Literature</i>	:	<i>60 Marks</i>
PAPER IV :	ASSOCIATE LITERATURE OF ASSAM & ELEMENTS OF LINGUISTICS :		100 Marks
	<i>1<sup>st</sup> Part : Associate Literature of Assam</i>	:	<i>50 Marks</i>
	<i>2<sup>nd</sup> Part : Elements of Linguistics</i>	:	<i>50 Marks</i>

**MA Final**

PAPER V :	FICTIONAL PROSE	:	100 Marks
	<i>1<sup>st</sup> Part : Novels</i>	:	<i>60 Marks</i>
	<i>2<sup>nd</sup> Part : Short Stories</i>	:	<i>40 Marks</i>
PAPER VI :	CULTURAL HISTORY OF ASSAM	:	100 Marks
	<i>1<sup>st</sup> Part : Infra-structure of Culture of Assam (People, Race and Tribes)</i>	:	<i>50 Marks</i>
	<i>2<sup>nd</sup> Part : Festivals, Religion and Folk Lore</i>	:	<i>50 Marks</i>
PAPER VII :	COMPARATIVE STUDY OF BODO & ASSAMESE	:	100 Marks
	<i>1<sup>st</sup> Part : Bodo &amp; Assamese Literature</i>	:	<i>40 Marks</i>
	<i>2<sup>nd</sup> Part : Bodo &amp; Assamese Language</i>	:	<i>60 Mark</i>

**PAPER VIII: PHONETICS, PHONEMICS, MORPHEMICS  
& GROWTH AND STRUCTURE OF THE BODO  
LANGUAGE** 100 Marks

1<sup>st</sup> Part: Phonetics, Phonemics & Morphemics: 40 Marks  
2<sup>nd</sup> Part: Growth and Structure of the Bodo Language: 60 Marks

**General Note:** (a) The Students will have to write their answers mainly in Bodo. However, the students may also be allowed to write their answers in Assamese or English for their convenience.

**Question Format for all papers:**

Total marks = 100

- (A) Home Assignment-20 marks  
(B) Examination-80 marks  
(1) 5 Broad Questions-12 x 5 = 60  
(2) 4 Short Answers / Short Notes- 5 x 4 = 20

**MAPREVIOUS EXAMINATION**

**FIRST PAPER  
POETRY**

**Books recommended as texts:**

- |                           |   |   |
|---------------------------|---|---|
| 1. Gibi Bithay            | : | Biru Ram Boro<br>Selected pieces: Bathou<br>Mungri Gudi, Sibraya Ha<br>Burkhangnai, Kherainai<br>Rupa Nath Brahma and<br>Madaram Brahma |
| 2. Khanthai Methai        | : | Selected pieces: Khanthai<br>portion and in Methai portion<br>poems no. 7, 11, 13, 14, 16<br>Kali Kumar Lahari                          |
| 3. Khanthai Bijab         | : | Selected pieces: Poems no. 8,<br>10, 11, 13, 14   |
| 4. Aldrang Gangse Nanggwō | : | Brajendra Kumar Brahma<br>Selected pieces: Poema No. 6,<br>10, 13, 14, 33   |

- |                             |   |  |
|-----------------------------|---|--|
| 5. Radab<br>(Radab Portion) | : | Samir Brahma Choudhury   |
| 6. Mwnjanthini Rwnjathai    | : | Aurobinda Ujar<br>Selected pieces: Poems no. 3,<br>8, 17, 25   |
| 7. Gutal                    | : | Iswar Chandra Brahma,<br>Kamakhya Brahma Narzary<br>Selected poems: Dasin Nwng<br>DaGabawi, Anggw Musri,<br>Angni Sanang, Bonjar |

**Books recommended as references:**

- |                               |   |                   |
|-------------------------------|---|-------------------|
| 1. History of Bodo Literature | : | Madhu Ram Boro    |
| 2. Bodo (Dumthais) Jatinis    | : | Manoranjan Lahari |
| 3. Bodo (Dumthais) Jatinis    | : | R.K. Brahma       |

**SECOND PAPER  
DRAMA**

**Books recommended as texts:**

- |                   |   |                           |
|-------------------|---|---------------------------|
| 1. Raja Nilambar  | : | Dwarendra Nath Basumatari |
| 2. Saadw Baodia   | : | Sanith Narzari            |
| 3. Ohungri Phao   | : | Bhaben Fwrwnggiri         |
| 4. Jadia Dewan    | : | Mangal Singhi Hazowari    |
| 5. Gumbari Sikkha | : | Antram Basumatary         |
| 6. Gwelan Fwiculi | : | Kamal Kumar Brahma        |

**Books recommended as references:**

- |                               |   |  |
|-------------------------------|---|--|
| 1. Theory of Drama            | : | Allardyce Nicole                             |
| 2. Phaothimani Santhou        | : | Manoranjan Lahari                            |
| 3. Ransai Bidang              | : | Editor Manoranjan Lahari &<br>Madhu Ram Boro |
| 4. The Indian Theatre         | : | A. Rangacharya                               |
| 5. Natak ani Abhinoy Prasanga | : | Satyaprasad Baruah                           |

### THIRD PAPER

#### NON-FICTIONAL PROSE AND CRITICAL STUDY AND ASSESSMENT OF LITERATURE

The paper is divided into the two parts :  
1<sup>st</sup> part : 40 marks and 2<sup>nd</sup> part : 60 marks

#### First part : Non-fictional prose (Essays and Biographies)

##### Books recommended as text

- |  |   |   |
|--|---|---|
| 1. Laitun vol. no. i   | : | Selected pieces :<br>Boro Jatra<br>Gan arw Thunlai,<br>Athkhalni gwdan<br>Boro Khonthaini<br>bithing,<br>Boro-ao Saotainai<br>Thunlai               |
| 2. Laitun vol no. ii   | : | Selected pieces :<br>Bathou Diwerwi<br>arw Santhou, Boro<br>raojwng gwrbhifunay<br>Boro bathagmraofar,<br>Gwdan Boro methai<br>bini dahar arw masri |
| 3. Bathoumali (Souvenir of 33 <sup>rd</sup> Bodo Sahitya Sabha, Ghy, Sessaion) | : | Selected pieces :<br>Jaraphaglani Khujja<br>Methai Wi bihamyw<br>Mangli, Mahor<br>swrji aru mthinga   |
| 4. Raithai Bidang  | : | Kameswar Brahma<br>Selected pieces :<br>Bathou Dohorwiti arw<br>Beroni Harimu<br>Jarimimao Nujaywi<br>Boro Jehwelan arw<br>Joholaojoptor,           |

5. Padmasiree Madaran Brahma
6. Mengwo Rwongwi Maothi

Dwibrasmi Lami  
Khauseri Khampha  
Gaysangri,  
Sri Sri Sankardev  
Mangal Sing  
Hazawary  
Dimbeswar Narzary  
Jehwlan

Second part : Critical study and assessment of Literature  
Topics : To be studied elaborately : Literature, its form and classification, poetry, drama, novel, short story, biography, essays, principles of criticism and valuation of literature etc.

##### Books recommended as reference :

- |   |   |   |
|---|---|---|
| 1. An introduction to the study of literature | : | William Henry<br>Hudson                             |
| 2. Poetics                                    | : | Aristotle   |
| 3. Aspects of Novel                           | : | E.M. Forster  |
| 4. Structure of Novel                         | : | E. Muir   |
| 5. The theory of drama                        | : | Alfardyce Nicole                                    |
| 6. Critical approaches of literary criticism  | : | David Daiches                                       |
| 7. Aristatalar Kavya Jnasa                    | : | Jagneswar Sarma                                     |
| 8. Sahitya Bichar                             | : | Ramesh Thakuria                                     |
| 9. Sahitya Upakarannika                       | : | Mahendra Bora                                       |
| 10. Sahityar Putabhumi                        | : | Biren Baskataki                                     |
| 11. Sahitya Samidhya                          | : | Maheswar Neog &<br>Hemanta Kumar<br>Sarma (editors) |
| 12. Chuti Galpa                               | : | Uday Dutta  |
| 13. Upanyas                                   | : | Prahlad Kumar<br>Baruah                             |
| 14. Jivani aru Asanuya Jivani                 | : | Gobinda Prasad<br>Sarma                             |
| 15. Thunlai Gohena                            | : | Manoranjan Lahary                                   |
| 16. Ruposri Raithai Khonthai                  | : | MR Brahma   |



## FOURTH PAPER

## ASSOCIATE LITERATURE OF ASSAM AND ELEMENTS OF LINGUISTICS

The paper is divided into following two parts :  
1<sup>st</sup> part : 50 marks and 2<sup>nd</sup> parts : 50 marks

## First part : Associate literature of Assam

## Assamese :

1. Miri Jiyay	: Rajanikanta Bardoloi
2. Jiwmar Bazar	: Bina Baruah
3. Rangrair Harhi	: Rangrang Terang
4. Soopahi	: Bishnu Rabha

## Books recommended as reference :

1. Contemporary Indian Literature : Sahitya Akademi Publication
2. History of Assamese Literature : Sahitya Akademi Publication
3. Assamiya Sahityar Samikhyatmak : Satyendranath Sarma Ithritta
4. Assamiya Sahityar Ruprekha : Maheswar Neog

## Second Part : Elements of Linguistics

The students are expected to be acquainted with the general linguistics.

## Topics to be studied :

Linguistics and its academic importance, Linguistics and Philology, Linguistics and Grammar, Classification of Linguistics, i.e. Descriptive, Structural, Comparative, Constructive, Historical, etc., Sociolinguistics, Psycholinguistics, Glottochronology, Linguistics, Palaeontology, Dialectology, Dialect-geography, Language classification and General idea of the language family of the world, Phonology, Morphology, Syntax, Semantics, Language types, Language-France, National language, Regional language, State language, Artificial Language, Mixed language.

## Books recommended as reference :

1. An introduction to Descriptive Linguistics : H.A. Grierson
2. Language : Leonard Bloomfield
3. Modern Linguistics : Simon Pöter
4. Sociolinguistics : ..... Trudgill
5. Psycholinguistics : D.S. Slobin
6. Dialectology, An Introduction : N.N. Francis
7. An element of the Science of Linguistics : I.J.S. Taniaprewala
8. Obituary-janar Bhumi : Golok Chandra Goswami
9. Itihaa Vijnan : Upendra Nath Goswami
10. An Introductory Text book of Linguistics & Phonetics : Dr. R. L. Varney
11. Introductory Linguistics : Robert A. Hall , Dr. Varney
12. Grammar : F. Palmer

## MA FINALEXAMINATION

FIRST PAPER  
FICTIONAL PROSE

This paper is divided into the following two parts :  
1<sup>st</sup> part : 60 Marks and 2<sup>nd</sup> part : 40 Marks

## First Part : Novels

## Books recommended as text :

1. Bikhaya Gaoyw Khugaya Gewa : Chittaranjan Mochahary
2. Kharlung : Manoranjan Lahuri
3. Mangubala Debi : Nandeswar Daimuri
4. Mwitur : Dharanidhar Wary
5. Phingim : Kamteswar Brahma

## Second Part : Short Stories

## Books recommended as texts :

1. Seemati Durtai : Haribhusan Brahma. Selected pieces : Story no. 1, 3, 5, 6
2. Sringkhar : Nilkanth Dronma  
Selected pieces : Story no. 1, 3, 7, 10, 12

3. Angni Mwjang Mwrnani Diary : Indramalati Narzjee  
Selected pieces : Story no. 1, 3, 4, 6
4. Solo Bidang : Monoranjan Lahari  
Selected story : Gangsephali, Goyoni, Bima, Dantaru

**Books recommended as reference :**

1. History of Boro Literature : Madhu Ram Boro
2. Jarimimi Nwywrao Boro Thamlar : Editor - Madhu Ram Boro

**SECOND PAPER**

**CULTURAL HISTORY OF ASSAM**

The paper is divided into the following two parts :  
1<sup>st</sup> part : 50 marks and second part : 50 marks

**First part :**

**Infra-structure of culture of Assam (people, race & tribe)**

Students are expected to have a dependable knowledge of the principal trends of culture prevalent throughout the area of pre-independent Assam i.e. undivided Assam. They should have a clear idea of the entire indigenous people of Assam including all the tribal and non-tribal population of Hills and Plains and the distinctive notes of their variegated culture as shaped by the centuries.

The following topics are to be studied in their details :

Races and Tribes, pre-historic infra-structure of the people of Assam, Alpines- Aryans, Himalayan, Mongoloids, etc., Socio-economic life, their assimilation, customs, and tradition etc.

**Books recommended as reference :**

1. Kirats-jana-Keti : Suniti Kumar Chatterjee
2. Cultural background of Assam : Rajmohan Nath
3. Studies in the early history of Assam : Birinchi K. Baruah
4. A Cultural History of Assam (vol. I) : Birinchi K. Baruah
5. Assam's Munch : Bhuban Mohan Das
6. Assam's Janajati : Pramod Ch. Bhattacharyya (Editor)
7. Assamiya Jati Tibritta : Assam Sahitya Sabha, Publication
8. Assam's Sanskriti : Dr. Lila Gogoi

9. History of Assam : Sir Edward Gait
10. A socio-economic and cultural History of Medieval Assam :  
Satyendranath Sarma
11. The Kacharis : Rev. Sydney Edle

**Second Part : Festivals, Religion and Folklore**

Students are expected to have an adequate knowledge of the Social life and Social institutions of the various people of Assam with special emphasis on the Boro people. The following topics are to be studied in depths :

Social life of each Tribes and Community, Various Fairs and Festivals, Religion, Obscure religion, Animistic Cults, Vaishnavism and Satriya Culture, Historical Changes, Paintings, Sculpture, Folk-songs and various other influences, tribes and communities, General trends of the culture of Assam.

**Books recommended as references :**

1. Goalpariya Loka Git : Dharendra Nath Das
2. The Mother Goddess Kamakhya : Danikanta Kakati
3. A socio - Economic and Cultural History of Medieval Assam :  
Satyendranath Sarma
4. Parani Kamrupar Dharmar Dhara : Banikanta Kakati
5. Parani Assamiya Samaj Aru Sanskriti : Moheswar Neog
6. Assamiya Loka Sanskriti : Birinchi Kumar Baruah
7. Assamiya Sanskriti : Assam Sahitya Sabha Publication
8. Assam's Janajati : Pramod Chandra Bhattacharyya
9. Boro-Kacharis Samaj aru Sanskriti : Bhaben Narzy
10. Aspects of social customs of Bodos : Kameswar Brahma
11. Assamiya Loka Sanskritir Abhita : Nabin Chandra Sarma
12. Boro Kacharis Folk Literature : Gauhati University Publication
13. Introduction to Folk Literature : Gauhati University Publication
14. Rabha Janajati : Rajen Rabha
15. Karbi Jana Jati : Rongbong Tetang
16. Mishng Sanskritir Alekhya (pt. 1 & 11) : Bhrigumani Kagyung
17. Dimas Sanskriti : Nirupama Hajier
18. Chirbang Gung Gang : Birendra Nath Datta (editor)
19. Basigun Aru Harimu : I., Brahma



20. Harina Anu Swidwmsri : Mangal Sing Hazowry
21. Boro Harintuni Mohar Musri : B.G. Baisunatory
22. A study of Socio-Religious Beliefs, Practices and Ceremonies of the Bodos : Kameswar Brahma
23. Garo Sanskritir Ruposkha : Dhirmendra Narayan Mazumdar

### THIRD PAPER

#### COMPARATIVE STUDY OF BODO AND ASSAMESE

The paper is divided into the following two parts :

1<sup>st</sup> part – 40 marks and 2<sup>nd</sup> part – 60 marks

#### First part: Bodo and Assamese Literature

##### Books recommended as reference :

1. Asamiya Jana-Sahitya : Prafulladatta Goswami
2. Introduction to Folk-literature : Prafulladatta Goswami
3. Boro-Kachari Jana-Sahitya : Bhuben Narzy
4. Bihu Songs of Assam : Prafulladatta Goswami
5. Boro-Kachari Geet-Mat : Bhuben Narzy
6. Buro Air Sadhu : Lakshminath Bezbaruah
7. Boro Chuti Galpa : Assam Sahitya Sabha Publication
8. History of Boro Literature : Madhu Ram Boro
9. History of Assamese Literature : Birinchi Karnar Baruah
10. Asamiya Sahityar Katha : Satyendra Narayan Goswami
11. Folk-Tales of Assam : Satyen Bar Kataki
12. Boro-Kachari Solo : Mohini Mohan Brahma and Prafulla Datta Goswami
13. Tales of Assam : Prafulla Datta Goswami
14. Asamiy Barmufar Tera Geet : Prafulla Datta Goswami

#### Second part: Bodo and Assamese Language

##### Books recommended as references :

1. Assamese, its Formation and Development : Banikanta Kakati
2. A descriptive Analysis of the Boro Language : P.C. Bhattacharyya
3. Boro Asamiya Abhidhan : Rajendralal Narzary

4. Boro Bani – Bhuben Narzy
5. Boro Asamiya Soblakoch : NEI Publication, B Baruah College
6. Asamiya Byakaran : Hemchandra Baruah
7. Ovnang Baw-Ebnithi : Kamal Kumar Brahma
8. Studies in Sino-Tibetan Languages : S.N. Goswami
9. Assamese and Boro – A Comparative and Contrastive Study : M.R. Boro
10. Boro Vijnan : Upendra Nath Goswami
11. Boro Vocabulary : D.N.S. Bhatt

### FOURTH PAPER

#### PHONETICS, PHONEMICS, MORPHEMICS AND GROWTH & STRUCTURE OF THE BODO LANGUAGE

The paper is divided into the following two parts :

1<sup>st</sup> part is : 40 marks and 2<sup>nd</sup> part : 60 marks

#### First part: Phonetics, Phonemics and Morphemics

Students are expected to have a general idea of the articulatory Phonetics and Phonology and Morphemics. They are to study the topics as noted below :

Phonetics, analytical procedures of phonemics and Morphemics, Articulatory phonetics, Branches of Speech, Speech sounds and their production and classification, phoneme, Allophone and procedure of Phonemics analysis.

Morphemics : Morph, Morpheme, Allomorph, identification of morphemics, morpheme and meaning, types of Morpheme, free and bound, affixes, prefixes, infix, suffix, inflection and derivation, tone, stress and accent with ref. to Bodo Language.

##### Books recommended as references :

1. General phonetics : K.M.S. Heffner
2. Phonemics : K.L. Pike
3. Morphology : I Nida
4. Dhvani Vijnanur Bhumika : Galak Ch. Goswami
5. Dhvani Vijnan : Galak Bihari Dasi

**ACADEMIC CALENDAR**  
**Gauhati University Institute of Distance and Open Learning**  
**Guwahati- 781014, Assam**

<b>ADMISSION</b>			
<b>SEMESTER (TRADITIONAL PROGRAMME)</b>			
A	1	Fresh	July-September
	2	Continuation	July-September
<b>SEMESTER (IT PROGRAMMES)</b>			
B	1	Fresh	July-September
	2	Continuation	Odd Semester (July-September)
			Even Semester (January-February)
<b>ADMISSION TEST FOR M.Sc. IT PROGRAMME</b>			
C	August		
<b>ANNUAL PROGRAMMES</b>			
D	1	Fresh	July-September
	2	Continuation	July-September
<b>DISTRIBUTION OF SLM</b>			
<b>SEMESTER/ANNUAL (TRADITIONAL PROGRAMMES)</b>			
A	1	Fresh	July-October
	2	Continuation	July-October
<b>SEMESTER (IT PROGRAMMES)</b>			
B	1	Odd Semester	July-October
	2	Even Semester	Jan-March
<b>CONTACT CLASSES</b>			
<b>SEMESTER (TRADITIONAL PROGRAMMES)</b>			
A	1	Odd Semester	September-December
	2	Even Semester	March-June
<b>SEMESTER (IT PROGRAMMES)</b>			
B	1	Odd Semester	September-December
	2	Even Semester	March-June
<b>ANNUAL PROGRAMME</b>			
C	1	Previous	December-May
	2	Final	December-May
<b>EXAMINATION : TERM END</b>			
<b>SEMESTER (TRADITIONAL/IT)</b>			
A	1	Previous	July-August (All Sundays)
	2	Final	July-August (All Sundays)
<b>ANNUAL</b>			
August-September (All Sundays)			
B	<i>Schedule may change as per directive of the controller of Examination, GU/Govt. of Assam</i>		



<b>EXAMINATION: Sessional (OMR based Internal Examination)</b>			
A	<b>SEMESTER (TRADITIOAN/IT)</b>		
	1	Odd Semester	November
	2	Even Semester	May
<b>ANNUAL</b>			
January			
<b>DECLARATION OF RESULT (Term End)</b>			
<b>SEMESTER (TRADITIONAL/IT)</b>			
A	1	Odd Semester	May-June
	2	Even Semester	November-December
B	<b>ANNUAL</b>		
	Januray		

### ENCLOSURE-III

Semester	Paper No	Paper Name
I	1.1	History of Bodo literature
	1.2	Early poetry
	1.3	Concept of culture
	1.4	Introduction of language
II	2.1	Modern poetry
	2.2	Non Fictional prose
	2.3	Textual criticism of Bodo Drama
	2.4	Elements of linguistics
III	3.1	Introduction to Bodo culture
	3.2	Critical analysis of Bodo fiction
	3.3	Comparative literature and translational studies
	3.4	Structure of Bodo language
IV	4.1	Literary criticism
	4.2	Composition and editing
	4.3	Comparative study of bodo and assamese Folk literature
	4.4	Comparative study of Bodo and Assmese language

**GAUHATI UNIVERSITY  
INSTITUTE OF DISTANCE AND OPEN LEARNING**

**Programme Project Report**

PPR ID : GU/GUIDOL/PPR/03 (Total no. pages : ২৪ )

Programme: Masters of Arts in Economics and Master of Science in  
Economics

**1. Programme mission and objective:**

The mission of the Programme to be launched is "to cater to the need of higher education in economics and to widen the periphery of education in economics."

***Objectives of the Programme:***

- to promote higher education and research in the field of Economics in particular and Social Science in general,
- to enhance and develop their knowledge and understanding of the theoretical and practical foundations of Economics as a subject,
- to nurture the finest talents in Economics and capacitate them with high level of professional competence,
- to utilize the pool of human resource in the department in relevant fields outside the department through extension and consultancy service,
- to exhibit disciplinary knowledge and behavior essential for business leadership.
- to think critically to aid decision-making.
- to generate competent and well-educated man-power for the teaching profession as well as manning positions of research associates in public/private sector academic institutions.

**2. Relevance of the programme with HEI's mission and goals:**

Gauhati University was established in 1948 with a mission to revitalize educational leadership, to set the standard for the creation and dissemination of knowledge as well as to become an effective instrument of change in the society. With this aim in view, the Department of Economics was established in 1948 and has set up, over the years, a close association with formal and informal organizations and various successful and enduring



entrepreneurs which gives opportunity to the students to acquire access to practical knowledge and ideas.

Keeping in view the motto of “*Quality Higher Education For All*”, Masters of Arts in Economics and Master of Science in Economics is/shall be offered through ODL mode is very much relevant to the HEI’s mission and goals as it aims to provide quality higher education in the field of Economics to those aspiring candidates who are deprived of higher education due to the limited number of intake in the conventional mode of education in the Universities. Moreover, to keep the quality intact the curriculum and syllabus is designed at par with the conventional mode keeping in mind the specific needs and acceptability of the learners in the ODL mode and in keeping with the aims and objectives of the parent department.

**3. Nature and target group of learners:** Our target group includes-

- those deprived of admission in the parent Department of regular mode due to limited intake capacity,
- those employed in various organizations who desire to pursue higher education as a passion or as a means for movement up the promotional ladder,
- drop outs primarily due to social , financial and economic compulsions as well as demographic factors,
- job seekers.

Gauhati University also has a provision in the ODL mode for lateral entry for those who had to discontinue the regular programme after successful completion of the first two semesters due to unavoidable reasons. Acceptability of the lateral entry provision is an indicator of parity of the courses in regular and ODL mode. The curriculum is designed to enable learners to fulfill their aims and objectives in a manner they deem fit and proper. The curriculum is designed by a committee comprising of experts from the Department of the HEI, external experts and teachers of Gauhati University Institute of Distance and Open Learning (GUIDOL), keeping in view the needs of the diverse groups of learners.

4. **Appropriateness of the programme to be conducted in the ODL mode for acquiring specific skills and competence-** The programmes is/shall be offered through ODL mode will have certain learning outcomes. The programmes will help the learners:

- *to create the knowledge of basic and advance concept of economics, socio-economic effect in the society due to the changing nature of world economy,*
- *to enhance and develop their knowledge and understanding of the theoretical and practical foundations of Economics as a subject in particular,*
- *to build knowledge of the different analytical concepts using mathematical, statistical and financial models in the field of Economics in broad,*
- *to commit to action that demonstrates care for others,*

The learners will also be acquainted with various generic skills and competencies for Team Work, Time Management, Commercial Awareness and Critical thinking.

5. **Instructional Design:**

- a) **Curriculum Design:** The curriculum is designed by a committee comprising experts from the parent department of the University and GUIDOL, keeping in view the needs of the diverse groups of learners.
- b) **Detailed Syllabus:** Enclosed in Enclosure No. I
- c) **Duration of the Program:** Minimum 2 (two) years. However, the learners are required to complete the programme within 4 (four) years from the date of admission.
- d) **Instructional Delivery Mechanism:** The programme will be delivered in 4 (four) semesters having 4(four) course/paper in each semesters and also with the opportunity to choose optional courses offered. The learners will be provided with the printed SLM which covers almost all the contents in the syllabus. Counseling class will be held in headquarter and various affiliated study centres. Telephonic Counseling and providing online learning resource will also be a part of instructional Delivery mechanism. The progress of the learners will be evaluated by Internal Assessment and Term end/semester end exam.

e) **Faculty:**

1. Dr. Ratul Mahanta, Assistant Professor, Department of Economics, Gauhati University nominated as Coordinator of the ODL programmes in Economics
2. Assistant Professor in Economics, GUIDOL has since resigned and the post has been advertised and shall be recruited soon.
3. Resource persons drawn from amongst teachers of affiliated colleges and faculties of the Department of HEI.

f) **Media:** Print Media, ICT enabled content and e-Learning tools

g) **Student Support Services:** In order to successfully execute the programme, a wide range of support services are provided to the ODL learners. The various support services are listed as below-

i) **Network of Study Centres:** To assist its learners of the ODL mode the University has established 96 study centres throughout the State of Assam but within the territorial jurisdiction of Gauhati University.

ii) **State of the art Library** with around 7 thousand collections of materials which includes books, journals, magazines, CD and DVDs.

iii) **E- Learning Portal:** [www.bodhidroom.guidol.in](http://www.bodhidroom.guidol.in) the first of its kind in the entire North east region of India, which provides the following services to the students:

- Online enrolment of students
- Independent Discussion Forum for every course
- Independent News Forum for every course
- Online interaction facility with faculty members
- Online interaction between the students making the scope of collaborative learning
- Interaction through chatting of all users of all courses who are online.
- Separate Chat Room for individual course
- **Message My Teacher:** When a student logged on to Bodhidroom, after enrolling himself/herself to a course, he/she will see the names of the virtual class teachers. Student can directly send offline messages to the teachers. When the teacher is logged on, he will receive an alert of incoming messages. Then he can reply to the message.
- Online Study Material
- Old Examination Question Papers

- iv) **Dynamic Website [www.idolgu.in](http://www.idolgu.in)** : Gauhati University has a dedicated dynamic website for ODL learners where one can get all the information regarding its programmes, upcoming events, examination results etc.
- v) **Computerised admission process with provision of online admissions**: The whole system of admissions and examinations are managed using professional software which gives instant online access to learners through [www.idolgu.in](http://www.idolgu.in).
- vi) **Flexible Walk in Group Counselling (FWGC)**: Regular group and individual counselling will be held in the GUIDOL (headquarter) complex as well as in the parent department during all working days. Learners may walk-in to the designated GUIDOL counselling room and meet their teachers to clarify their doubts.
- vii) **PERSONAL CONTACT PROGRAMME(PCP)** :In addition to the Study Materials, useful Personal Contact Programmes will be held at various affiliated study centres, which will enable the students to clarify their confusions and ease their difficulty while going through it. Qualified faculty members of affiliated study centres will help out the attending students by providing necessary tips and Guidelines during the interactive sessions. These sessions are also meant to give the students a chance to meet the teachers personally and discuss their problems.
- viii) **Community FM Radio**: Gauhati University has its own Community radio station named as “Radio Luit 90.8 FM” and operates daily from 8AM to 8PM. The Community Radio station shall be extensively used to broadcasts radio talks on various courses daily. The broadcast contents are designed as per the requirements by teaching staff of both the ODL Institute as well as the parent department. Experts are outsourced if the need arises.

## **6. Procedure for Admissions, Curriculum transaction and Evaluation-**

**Admission-** The admission process starts from August and ends by the end of September every year. The learner can go for either offline or online admission process. The minimum eligibility for MA & M.Sc. programme in Economics is any graduate from any recognized Indian or Foreign university. The proposed fees for admission is Rs 7000.00 (Seven Thousand only) per year. Financial Assistance is provided to the candidates belonging to the SC/ST and OBC categories in the form of scholarship. Few learners belonging to the economically deprived section as well as the physically challenged category are provided free ship on the recommendation of the Vice Chancellor.

### **Curriculum transaction- Activity Planner:**

**Evaluation-** Each course/paper shall carry 80% weightage for the term-end examinations and 20% for internal evaluation in the form of Home Assignments/internal examinations. In order to pass/clear a course/paper in a subject, a candidate must secure minimum 35% Marks in each course/paper. All examinations are conducted by the Controller of Examinations as per Examination Rules and Regulations of the Gauhati University.

7. **Library Resource:** The University has a State of the Art Central Library with rich collections of materials which includes books, journals, magazines, CD and DVDs, and is accessible to the ODL learners as well. Moreover, the Institute has its own Library where various books, journals and magazines are available.

Gauhati University being a member of UGC-Infonet Digital Library Consortium (<http://www.inflibnet.ac.in/econ/index.php>) which provides current as well as archival access to more than 5000 core and peer-reviewed journals and nine bibliographic databases from 23 publishers and aggregators in different disciplines. The ODL learners can access the e-resources of UGC-Infonet Digital Library Consortium from the Gauhati University campus.

8. **Estimated cost of the Programme:** total estimated cost of the programme is approximately Rs. 45 Lakhs which includes preparation and printing of SLMs, remuneration of the Resource persons, establishment cost and overheads. The estimate is evaluated considering the unit expenses of Rs.2.5 Lakhs per paper /1000 students for the entire duration of two years.

9. **Quality assurance Mechanism and Expected Programme outcome:** The institute has a *Centre for Internal Quality Assurance (CIQA)* constituted by the statutory body of the HEI. Members of the Cell are drawn from among the Deans of the different Faculty, Heads of the respective departments, Executive Council members, administrative staff and teaching staff of the institute. The Internal Quality Assurance Cell shall review the relevance and standard of the programme from time to time and make necessary changes in the syllabus and contents of the programme. The HEI shall continuously monitor the effectiveness of the program through *CIQA* and other statutory bodies.

Course Benchmark Statement: Please refer to para 4 above. Further, learners will be equipped for professional competence and employability.



**Detailed Syllabus of MA/MSc in Economics Programme (ODL mode of Gauhati University)**

A student shall do a total number of sixteen papers in the four Semesters. Each paper will carry 100 marks - 20 marks for internal evaluation during the semester and 80 marks for external evaluation through end semester examination. All the papers in the First, Second and Third Semesters will be compulsory. The paper XIII and XIV of the Fourth Semester will also be compulsory. The remaining two papers for the Fourth Semesters will be chosen by a student from the optional papers. The names and numbers assigned to the papers are as follows.

<b>First Semester</b>	
I	Microeconomics Theory
II	Macroeconomics Theory - I
III	Mathematical Methods for Economic Analysis-I
IV	Statistical Methods for Economic Analysis
<b>Second Semester</b>	
V	Advanced Microeconomics
VI	Macroeconomic Theory -II
VII	Mathematical Methods for Economic Analysis-II
VIII	Elementary Econometrics
<b>Third Semester</b>	
IX	Development Economics-I
X	International Economics
XI	Issues in Indian Economy
XII	Public Finance-I
<b>Fourth Semester</b>	
XIII	Development Economics-II
XIV	Public Finance-II
Papers XV and XVI are optional. A student has to choose any two of the following courses.	
(a)	Population and Human Resource Development
(b)	Econometric Methods
(c)	Environmental Economics
(d)	Financial System

## Detailed Contents of the Papers Syllabus

### **Paper-I: MICROECONOMICS THEORY**

#### **Unit –1: Theory of production and Cost**

Production function and related concepts – Isoquants and Substitution between Factors – Elasticity of Substitution – Returns to Scale and Returns to a Factor – Technical Progress and Production Function – Forms of Production Function; Cobb-Douglas, CES and Fixed coefficient Type – Single Decision of a Firm; Choice of Optimal Factor Combination – Expansion Path – Derivation of Cost Function from Production Function – Multi-product Firm: production Efficiency Locus, Production Possibility Frontier and Choice of Optimal Combination of Output of Products.

#### **Unit – 2: Market Structure and Pricing of Products**

A Review of Perfect Competition Equilibrium – Monopoly and its Regulation – Monopolistic Competition: Price-Output Equilibrium – Duopoly Models of Cournot, Bertrand and Stackelberg – Kinked Demand Curve Model of Oligopoly – Collusive Oligopoly: Price Leadership Models.

#### **Unit – 3: Theory of Distribution and Pricing of Factors**

Pricing of Factors under Perfect Competition – Factor Share and Technical Progress – Backward Bending Supply Curve of Labour – Monopsony

#### **Unit – 4: Basic Financial Accounting**

Various terms used in Accounting – Account, Assets, Liabilities, Capital / Equity, Profit, Loss, Revenue income, Capital income, Revenue expenditure, Capital expenditure - Profit and Loss Account - Balance Sheet - Cash Flow Statement

#### **Recommended Readings:**

1. Koutsoyianis, A., “Modern Microeconomics”, Macmillan.
2. Baumol, W.J., “Economic Theory and Operations Research”, Prentice Hall of India.
3. Madalla and Miller, “Microeconomics”, McGraw Hill.
4. Pindyck, R. & Rubinfeld, D.L., “ Microeconomics”, Prentice Hall of India.
5. Mukherjee, S., “Business and Managerial Economics”, New Central Book Agency.
6. Salvatore. D., “Micro Economics”, Schaums Series.
7. Juneja and Chawla, “Book Keeping and Accountancy.”
8. B. B. Dam and H.C. Gautam, “Financial Accounting”

## **Paper – II: MACROECONOMIC THEORY - I**

### **Unit – 1: National Income Accounting**

Different forms of National Income Accounting; Social Accounting, Input-Output Accounting, Flow of Fund Accounting and Balance of Payment Accounting

### **Unit – 2: Theories of Income and Employment Determination**

A Review of the Classical and Keynes's Models – Income Determination Model including Money and Interest; IS-LM Analysis– Real Balance Effect and Patinkin's Full Employment Equilibrium; Patinkin's Concept of Underemployment Disequilibrium

### **Unit 3: Consumption Function**

The Consumption Function Puzzle – The Relative Income Hypothesis – The Permanent Income Hypothesis –The Life Cycle Hypothesis

### **Unit 4: Investment Function**

Marginal efficiency of Investment and level of Investment - The Accelerator and Investment behavior - Impact of inflation - Influence of policy measures on Investment.

### **Recommended Readings:**

1. Jha, R., "Macroeconomics: Theory and Policy"
2. Branson, W.H., "Macroeconomics: Theory and Policy"
3. Agarwala, S.K., "National Income Accounting"
4. Schultz, W., "National Income Analysis"
5. Brooman, F. S., "Macroeconomics".
6. Michl, "Macro Economic Theory –A Short Course", Prentice Hall of India
7. Harris, I., "Monetary Theory"
8. Gupta, S. B., "Monetary Economics"
9. Paul & Taylor, "Macro Economics".

## **Paper – III: MATHEMATICAL METHODS FOR ECONOMIC ANALYSIS-I**

### **Unit –1: Matrix Algebra and its Application**

Matrix Algebra-type of matrices-matrix operations-matrix inversion and solution of simultaneous equations-Cramer's rule -Rank of a matrix-trace of a matrix-application to partial equilibrium market model, national income model, external sector model-static and dynamic open input-output models.

### **Unit-2: Differentiation**

Basic rules of differentiation-rules of differentiations involving more than one functions of the same variable-Rules of differentiation involving functions of different variables-higher order derivatives-applications relating to derivation of elasticity, revenue function, cost function, tax yield in competitive market, tax yield and income multiplier, derivations of other marginal functions.

### **Unit-3: Partial and total differentiation**

Rules of partial and total differentiations-derivative of implicit function-application to comparative static analysis of market model, national income model and input-output model-determination of partial elastic ties of demand-problems relating to indifference curve, isoquant, production function and Euler's theorem.

### **Unit-4:Unconstrained Optimization**

Unconstrained maxima and minima with a single explanatory variable – applications to cost minimization, revenue maximization, tax revenue maximization, profit maximization and equilibrium of firm, Unconstrained maxima and minima with more than one explanatory variables – applications to discriminatory monopoly, Multiproduct equilibrium, Multiplan equilibrium, equilibrium of firm with advertisement cost and subsidy.

### **Unit – 5: Integration**

Applications relating to derivation of total functions from marginal functions, estimation of consumer's surplus, producer's surplus,

#### **Recommended Readings:**

1. A.C. Chiang, "Fundamental Methods of Mathematical Economics", McGraw Hill.
2. S. Baruah, "Basic Mathematics and its Economics Applications", MacMillan.
3. J.M.Henderson and R.E.Quandt, "Micro-economic Theory – A Mathematical Treatment."
4. R.G.D. Allen, "Mathematical Analysis for Economists."
5. Mouhammed, "Introduction into Mathematical Economics", Prentice Hall of India.
6. M. Metwally, "Mathematical Treatment of Micro-Economics."

## **Paper – IV: STATISTICAL METHODS FOR ECONOMIC ANALYSIS**

### **Unit – 1: Probability Theory**

Axiomatic Definition and derivation of Basic Probability Rules – Conditional Probability, Baye’s Theorem (Concept only) – Random variable – Mathematical Expectation and Moments relating to both Discrete and Continuous random variables.

### **Unit2: Standard Probability Distribution**

Binomial, Poisson and Normal – Moment Generating Function (Definition only) – The Central Limit Theory (without Proof).

### **Unit – 3: Income Distribution**

Pareto’s Law of Income Distribution – Log-normal Distribution – Lorenz Curve and Ginni Coefficient

### **Unit – 4: Index Number**

Relation Between Laspayre’s and Paasche’s Index Numbers – Time Reversal, Factor Reversal, Circular test of Index Number - Fisher’s Index Number – Chain Base Index Number – Base Shifting, Splicing and Deflating – Indices of Industrial Production.

### **Recommended Readings:**

1. Yamane, Taro, “Statistics – An Introductory Analysis”.
2. Hooda, P.R., “Statistics for Business and Economics”, Macmillan.
3. Gupta, S.C. and Kapoor, U.K., “Fundamentals of Mathematical Statistics”
4. Nagar, A.L. and Das, R.K., “Basic Statistics”, Oxford.
5. Agarwala, B.L., “Basic Statistics”, New Age International.
6. Salvatore, Dominick and Reagle, Darrick, “Statistics and Econometrics”, TMH
7. Klein, L.R., “An Introduction to Econometrics”
8. Goon Gupta, Das Gupta, “Fundamental of Statistics, Vol. II”

## **Paper – V: ADVANCED MICROECONOMICS**

### **Unit – 1: Analysis of Consumer’s Choice**

A Review of Indifference Curve and Revealed Preference Approach – Violation of the Premises of Indifference curve Approach: Satiation and Lexicographical Ordering.

### **Unit – 2: Inter-temporal Choice & Choice under Uncertainty**

Discounting and Present Value – Inter-temporal Consumption Decision – Inter-temporal Production Decision – Evaluation of Investment Projects – Determination of the Rate of Interest; Attitude Towards Risk – Expected Utility – Measures of Risk Aversion – Certainty Equivalence and the Cost of Risk – Economics of Insurance. – Asymmetric Information and Adverse Selection – Moral Hazard

### **Unit –3: General Equilibrium**

Partial Versus General Equilibrium Approaches – Meaning of General Equilibrium – Walrasian General Equilibrium System: Tatonnement; Existence, Stability and Uniqueness of the Equilibrium – Introductions to the Contributions of Arrow and Debreu – Critique of General Equilibrium Theory – Non-tatonnement Process.

### **Unit – 4: Welfare Economics**

Pareto Optimality – The Fundamental Theorems of Welfare Economics – Market Failure: Externality and Public Good – Welfare Effects of Non-price Allocations and Price Control – Problem of Welfare Maximization: Compensation Principle, Social Welfare Function – Social Choice: Contributions of Arrow and Sen.

### **Recommended Readings:**

1. Layard and Walters, “Microeconomic Theory”,
2. Gravelle and Rees, “Microeconomics”, Longman.
3. Baumol, W.J., “Economic Theory and Operations Research”, Prentice Hall.
4. Ryan and Pearce, “Price Theory,” Macmillan.
5. Madalla and Miller, “Microeconomics,” Tata McGraw Hill.
6. Varian, Hall, “Intermediate Microeconomics.”
7. Henderson and Quandt, “Microeconomic Theory”
8. Sen, A., “On Economic Inequality”
9. Hands, D.W., “Introductory Mathematical Economics”, Oxford.

## **Paper – VI: MACROECONOMIC THEORY - II**

### **Unit – 1: Demand for Money & Supply of Money**

The Demand Money – The Classical Approach - The Keynesian Approach – Friedman’s Contribution – The Approaches of Baumol and Tobin: Inventory Theoretic Approach – The Portfolio Balance Approach.

### **Unit 2: Theory of Inflation and Economic Stabilization**

Classical, Keynesian and Monetarist approaches to inflation; Philips Curve Analysis – Short run and Long run Philips curve– the natural rate of unemployment hypothesis; Adaptive Expectations - Rational Expectations – The New Classical Approach and its Policy Implications – Empirical Evidence.

### **Unit –3: International Payments**

Exchange Rate-Balance of Payments-relationship between the current account and the capital and financial account- Disequilibrium in International Payment, Adjustment Mechanisms under various Exchange Rate Regimes, Devaluation and Exchange Control - The Monetarist Approach to the Balance of Payments.

### **Unit – 4: Business Cycles**

Theories of Kaldor, Samuelson and Hicks - Control of Business Cycles – Relative efficacy of Monetary and Fiscal policies

### **Recommended Readings:**

1. Brooman, F. S., “Macroeconomics”
2. Branson, W.H., “Macroeconomics: Theory and Policy”
3. Harris, I., “Monetary Theory”
4. Gupta, S. B., “Monetary Economics”
5. Patinkin, D., “Money, Interest and Prices”
6. Jha, R., ”Macroeconomics: Theory and Policy”
7. Dornbursch, R. and Fisher, S., “Macroeconomics”
8. Soderstein, B., “International Economics”, Tata McGraw Hill.
9. Paul and Taylor, “Macro Economics”

## **Paper – VII: MATHEMATICAL METHODS FOR ECONOMIC ANALYSIS-II**

### **Unit – 1: Optimization with Equality Constraint**

Optimization with equality constraints, Lagrange's multiplier method – application to consumer's equilibrium and producer's equilibrium in factor market

### **Unit – 2: Calculus for Dynamic Analysis**

First order differential equation and its solutions – application to dynamic stability of market and simple growth process (Harrod-Domar), First order difference equation and its solution- application of difference equation – lagged market model (Cobweb) and Harrod's model of growth.

### **Unit – 3: Optimization with inequality constraint**

Liner programming, General formulation Transportation problem, diet problem and production problem – Simplex method of solution (two variables, two constraints only) – Concept of duality

### **Unit – 4: Game Theory**

Two-person Zero sum game – pure strategies with saddle point, games without saddle point – the rules of dominance – solution of games without saddle point – mixed strategies, Basic ideas and examples of non zero sum games – Nash equilibrium, Prisoner's dilemma and Repeated games.

#### **Recommended Readings:**

1. A.C. Chiang, "Fundamental Methods of Mathematical Economics", McGraw Hill.
2. S. Baruah, "Basic Mathematics and its Economics Applications", MacMillan.
3. J.M.Henderson and R.E.Quandt, "Micro-economic Theory – A Mathematical Treatment."
4. R.G.D. Allen, "Mathematical Analysis for Economists."
5. Taro Yamane, "Mathematics for Economists."
6. E.T. Dowling. "Theory and Problems of Mathematical Methods for Business and Economics", McGraw Hill.
7. Mouhammed, "Introduction into Mathematical Economics", Prentice Hall of India
8. R.Hadley, "Linear Algebra."
9. M. Metwally, "Mathematical Treatment of Micro-Economics."



## **Paper –VIII: ELEMENTS OF ECONOMETRICS**

### **Unit – 1: Sampling and Estimation**

Concept of Sampling Distribution and Standard Error of a Statistic – Methods of Estimation – Principles of Moments, Least Square and Maximum Likelihood (Concept only) – Characteristics of a Good Estimator

### **Unit –2: Statistical Inference**

Testing of Hypothesis: Type I and Type II Errors, One-tailed and Two-tailed Tests – Test based on Standard Normal, t and Chi-Square Distributions.

### **Unit – 3: Linear Regression Model and Its Estimation**

The Two Variable Model and its OLS Estimation – The General Linear Regression Model – Standard Assumptions – OLS Estimators and their Properties – The Coefficient of Determination – Maximum Likelihood Methods, Estimation and Properties.

### **Unit – 4: Inference from Linear Regression Estimation**

Test of Hypothesis about Regression Coefficients and their Confidence Interval – Prediction with the Linear Regression Model

### **Unit – 5: Further Topics in Linear Regression Model**

Multicollinearity: Effects, Detection and Remedies – Specification Errors and their Consequences – Qualitative Factors and Dummy Variables – Introductions to Heteroscedasticity and Autocorrelation of Disturbances (Ideas only).

### **Recommended Readings:**

1. Johnston, J. “Econometric Methods”, McGraw Hill.
2. Gujarathi, D., “Basic Econometrics”, McGraw Hill.
3. Salvatore, Dominick and Reagle, Darrick, “Statistics and Econometrics”, Tata Mc Graw Hill

## **Paper – IX: DEVELOPMENT ECONOMICS – I**

### **Unit – 1: Development and Underdevelopment-An Overview**

Problems in Defining Economic Development — Per Capita Income as an Index of Development – Alternative Measures of Development Gap: HDI, GDI (including new concepts) and related indices. Poverty: Concepts and Measurement - Income Inequality and Growth – Redistribution with Growth

### **Unit-2: Theories of Economic Growth**

Classical Approach-Adam Smith and Ricardo – The Theory of Marx.- Schumpeter’s Analysis, Harrod-Domar Model: Instability of Equilibrium – Solow’s Neoclassical Model and Steady State Growth – Role of Technical Progress – Convergence – Role of Human Capital – Endogenous Growth – Alternative Growth Model: Joan Robinson and Kaldor

### **Unit – 3: Theories of Development**

The Vicious Circle Theory –The Process of Cumulative Causation: Myrdal – Neo-Colonial Dependence Model. The Stages of Growth: Rostow – Big Push: Rosenstein – Rodan – Balanced Growth: Nurkse – Unbalanced Growth: Hirschman – Critical Minimum Efforts: Leibenstein.

### **Unit – 4: Development from Dual Economic Structure**

Unlimited Supply of Labour and The Dual Economy Models of Lewis and Fei-Renis – The Harris–Todaro Model.

### **Recommended Readings:**

1. Meier, G.M., “Leading Issues in Economic Development”, OUP.
1. Todaro, M.P., “Development Economics”, Pearson.
2. Thirlwal, A. P. “Growth and Development” Palgrave
3. Roy, D., “Development Economics”, OUP.
4. Basu, K., “Analytical Development Economics: A Critique of Contemporary Theory”, OUP.
5. Sen, A. (Ed.), “Growth Economics”, Penguin.
6. UNDP, “Human Development Reports”, OUP.
7. World Bank, “World Development Reports”, OUP.
8. Barro & Sala-i-Martin, “Economic Growth”, Prentice Hall of India.

## **Paper – X: INTERNATIONAL ECONOMICS**

### **Unit 1: International Trade Theories**

The main propositions of Heckscher-Ohlin Model – Rybczynski Theorem - Heckscher-Ohlin Theorem – Stolper-Samuelson Theorem – Factor Price Equalization Theorem  
Alternative Trade Theories: Vent for Surplus – Availability – Increasing Returns to Scale – Monopolistic Competition and International Trade – Imitation Gap and Product Cycle Theories of Trade

### **Unit 2: Economic Growth and International Trade**

Effects of Growth on Trade – Growth, Trade and National Income – Trade and Technical Progress – Terms of Trade Effects – Prebisch-Singer Thesis

### **Unit 3: Trade and Policy Prescriptions**

Types of Tariff – Partial Equilibrium Analysis of Tariff – General Equilibrium Analysis (Small Country Case) – Tariff and World Welfare – Tariff and Income Distribution – Effective Protection – Economic and Non-economic Arguments for Protection  
Instruments of Commercial Policy: Export Tax and Subsidy – Quantitative Restrictions – International Cartels – Dumping – Other Non Tariff Barriers  
Preferential Trading Club - Free Trade Area – Customs Union – Common Market – Economic Union – Trade Creation and Diversion - Dynamic Effects of Customs

### **Unit 4: International Monetary Order**

Portfolio and Direct Investment – Theory of Direct Investment – Effects on Host and Investing Countries – Direct Investment and Exploitation, International Monetary System and Characteristics of a Good IMS – the Gold Standard – Inter-War Period – The Britton Woods System – Present System of Managed Flexibility Union – Optimum Currency Area – European Monetary System

### **Recommended Readings:**

1. Chacholiades, M., “International Trade: Theory and Policy”, McGraw Hill.
2. Kindleberger, Ridge, “International Economics”, Irwin.
3. Soderston, B., “International Economics”, Tat McGraw Hill
4. Lipsey, R.G., “The Theory of Custom Union”, Windfield.
5. Caves, R.F. and Jones, “World Trade and Payment”, Little Brown Co.
6. Meade, J.F., “Theory of International Economic Policy”, OUP.
7. Roy, P.N., “International Trade: Theory and Policy”
8. Jain, Peyrand and Yadav, “International Financial Management”.
9. M.M. Conden, “Economics of Protection.”

## **Paper – XI: ISSUES IN INDIAN ECONOMY**

### **Unit – 1: National Income, Unemployment and Poverty**

National Income: Trends in Growth and Structure – Unemployment: Recent Trends and Estimates, Employment Policy under Different Plans, New Economic Policy and Employment Prospect – Poverty Analysis

### **Unit – 2: Industrial Policy and Controls**

The Industrial Environment at Independence – Industrial Policy of 1956 – Performance of Industrial Licensing System – Economic Reforms and New Industrial Policy Industry – Indian Industry in the Contemporary context.

### **Unit – 3: Indian Agriculture**

Agriculture Performance: Growth and Productivity – Agriculture Policy: Institutional Reforms, Credit Reforms, Agrarian Reforms – Agricultural Technology, Resources and Investment - Economic Reforms and their impact on Agriculture: Emerging Perspective.

### **Unit – 4: India's Economic Reforms**

Rationale for Economic Reforms – History of Economic Reforms – Current Phases of Reforms – Public Sector Enterprises – Privatisation and Competition – Financial Sector Reforms – Planning in the Context of Liberalisation - Economic Liberalisation and Regional Planning in India.

### **Unit – 5: India in the Context of Emerging Global Economy**

The Nature of Global Economy – Development in the World Economy – India's Economic Reforms in the Global Context – Foreign Trade Policy – Convertibility of Rupee – Impact of WTO on Indian Economy – Foreign Investment and Multinational Corporations.

### **Recommended Readings:**

1. Bardhan, P., "The Political Economy of Development of India", OUP.
2. Brahmananda, P.R. and Panchamukhi, V.R., "The Development Process of Indian Economy", Himalaya.
3. Jalan, Bimal (Ed), "The Indian Economy – Problems and Prospects", Viking.
4. Kapila, Uma (Ed), "India's Economic Reforms", Academic Foundation.
5. Hazari, R.K., "Industrial Planning and Licensing Policy", Final Report.
6. Sen, A. and Dreeze, J., "Economic Development and Social Opportunities", OUP.
7. Wadhwa, C. (Ed), "Some Problems of India's Economic Policy", Tata McGraw Hill.
8. Fouseca, A.J. (Ed), "Challenge of Poverty in India", Vikas.
9. Rao, V.K.R.V., "India's National Income, 1950-1980", Sage.
10. Byres, T.J. (Ed), "The State, Development Planning and Liberalisation in India".

## PAPER-XII: PUBLIC FINANCE-I

### **Unit-1 The State and its role in the Economy**

The role of the government in the economy -*allocation, distribution, and stabilization functions*.  
Criteria for policy evaluation – *equity, economic efficiency, paternalism and individual freedom and their tradeoff*

### **Unit-2: The Provision of Public Goods**

The nature of Public goods, Public Goods and market failure, The efficient provision of public goods

Basic concepts- *The Theory of Clubs, Tiebout Hypothesis, Voluntary Bargaining in Small Groups (Coase's analysis)*

Public goods - *externalities, corrective policies, and viability of government intervention*

Public Choice: *Majority Rule and the Median Voter, Logrolling,*

### **Unit-3: Public Expenditure**

Theories of Public Expenditure- *Lindahl's Model of Voluntary Exchange, Samuelson's Benefit Theory of Public Expenditure, Musgrave's Optimum Budget Theory*

Public Expenditures on, non-marketed goods, fixed-quantity subsidy for marketed goods, and excise subsidy - their impact on allocation and distribution

Evaluation of public expenditure- *cost-benefit analysis*.

### **Unit-4: Public Revenue**

Concepts- *Tax Ratio, Buoyancy, and Elasticity of taxation, Rate schedules of taxation, Tax Credit, Exemption and Deduction, Excess burden of tax, and Taxable Capacity*.

Principles of Taxation: The Benefit Principle. The Ability to Pay Principle- *Concepts of equal sacrifice, ability to pay and tax rate schedules, the Maximum- Welfare Principle of Budget Determination*.

The Neo-classical Theory of Tax Incidence and Shifting, price-output effect of shifting under different cost conditions and market situations. Musgrave's Budget Incidence Theory.

Capitalization of tax

Value Added Tax.

### **Recommended Readings:**

1. Cullis, John & Jones, Philip, "Public Finance and Public Choice", McGraw Hill.
2. Browning, E.K. & Browning, J.M., "Public Finance and the Price System", Pearson.
3. Musgrave & Musgrave., "Public Finance in Theory and Practice".
4. Current Report of the Finance Commission, India.
5. Buchanan, J.M., "The Public Finance", Richard D. Irwin.
6. Pigou, T.F. and L.G. Sgontz., "An Introduction to Public Finance", Houghton.

## **Paper – XIII: DEVELOPMENT ECONOMICS–II**

### **Unit –1: Components in the Development Process**

Agriculture's Contribution to Development – Agriculture-Industry Interactions – The Role of Land Reforms and Price Policy in Agricultural Transformation- Industrialization: Export Promotion versus Import Substitution Strategies – The Choice of Techniques.

### **Unit – 2: Development Planning**

The Concept and Types of Planning – Rational for Planning in a Developing Economy – The Planning Process: Projection of Macro Variables, Input-Output Models and Sectoral Projections, Project Evaluation and Social Cost-Benefit Analysis – Plan Failures, Market Versus Planning – Planning in a Market Oriented Economy – Plan Models in India (The Models of 2<sup>nd</sup> Plan, 5th Plan and the ongoing Plan)

### **Unit – 3: Financing of Development**

Domestic Sources: Private Savings, Taxation – Financing by Money Creation and its Effects – The Dual Gap Analysis: Saving-Investment Gap and the Foreign Exchange Gap – Foreign Borrowing and the Debt Serving Problem – Private Foreign Investment.

### **Unit – 4: Environment and Development**

Environment and Economy Interdependence - Poverty and Environmental Degradation – The Concept of Sustainable Development - Micro Planning for Environmental and Eco-Preservation – Watersheds and Joint Forest Management - Role of State in Environmental Preservation

### **Recommended Readings:**

2. Meier, G.M., “Leading Issues in Economic Development”, OUP.
3. Todaro, M.P., “Development Economics”, Pearson.
4. Thirlwal, A. P. “ Growth and Development” Palgrave
5. Roy, D., “Development Economics”, OUP.
6. Basu, K., “The Less Developed Economy:”, OUP.
7. World Bank, “World Development Reports”, OUP.

## PAPER-XIV: PUBLIC FINANCE-II

### **Unit-1: Public Debt**

Public Debt – sources, burden and effects. Optimality in Public Debt Management  
Pay-As-You-Use and Pay-As-You-Go Finance, Musgrave's Intergeneration Equity Theory

### **Unit-2: Public Budget**

The Modern Theory of Public Budgeting, Structure of a public budget, Incremental and Zero-base Budget, Outcome Budget

Concepts: Budget deficit, revenue deficit, fiscal deficit and primary deficit.

The current Union and the Assam state budget.

### **Unit-3: Fiscal Policy**

Fiscal Policy and its role in the economy, Compensatory Fiscal Policy, Functional Finance and Pump Priming

Fiscal Policy under conditions of inflation, and in the presence of unemployment

The Balanced Budget Multiplier, Built-in- Flexibility in the compensatory mechanism

Incidence of deficit financing: Impact of deficit finance on the capital market: *The Crowding Out Effect*. The welfare cost of deficit finance. Rationale and methods of reducing deficits

### **Unit-4 Fiscal Federalism**

Principles of division of financial resources, Instruments of inter-government resource transfer.

Horizontal and Vertical fiscal balance, Problems of Centre-State Financial Relations in India

### **Recommended Readings:**

1. Cullis, John & Jones, Philip, "Public Finance and Public Choice", McGraw Hill.
2. Browning, E.K. & Browning, J.M., "Public Finance and the Price System", Pearson.
3. Musgrave & Musgrave., "Public Finance in Theory and Practice".
4. Current Report of the Finance Commission, India.
5. Buchanan, J.M., "The Public Finance", Richard D. Irwin.
6. Pigou, T.F. and L.G. Sgontz., "An Introduction to Public Finance", Houghton.

## Optional Papers

### (a) POPULATION AND HUMAN RESOURCE DEVELOPMENT

#### **Unit – 1: Basic Theories and Concepts**

The Malthusian Theory of Population - Theory of Optimum Population - Theory of Demographic Transition - Population as Limits to Growth and as 'Ultimate Source' - Sources of Population Data - Population Pyramids, Population Change: Concepts and Measurement - Characteristics of Indian Population as Revealed by the Latest Census.

#### **Unit – 2: Elements of Vital Statistics**

Vital Rates: Measures of Fertility – Crude Birth Rate, General Fertility Rate, Age Specific Fertility Rates, Measures of Reproductivity – Total Fertility Rate, Gross Reproduction Rate, Net Reproduction Rate – Measures of Mortality – Crude Death Rates, Age Specific Death Rates, Concept of Infant Mortality Rate, Life Table – Concept, Types and Uses, The Different Columns of a Complete Life Table.

#### **Unit – 3: Economics of Education**

Education and Human Resource Development – Education and Economic Development – Cost – Benefit Analysis of Education – Measurement of Costs – Measurement of Benefits – The Rate of Return of Investment in Education – Social Rate of Return to Investment in Education - Public and Private - Financing of Education: Criteria for Adequacy of Education Finance, Traditional as well as Modern Concept of Adequacy – Financing of Education and Equity – Financing for Higher Education in India and its Problems.

#### **Unit – 4: Manpower Planning**

Significance and Problems, Measurement – Manpower Demand and Supply – Methodological Issues in Estimating Manpower Demand and Supply – Input-Output Method in Forecasting Manpower Requirement – Educational Planning and its Economic Aspects, Meaning and Concept of Brain Drain – Brain Drain and Under-developed Countries – Cost of Brain Drain.

#### **Recommended Readings:**

1. Bhende, A., and R. Kanitkar, "Principles of Population Studies".
2. Gupta and Kapoor, "Fundamentals of Applied Statistics."
3. Goon, Gupta, DasGupta, "Fundamentals of Statistics", Vol. II.
4. Ramkumar, R, "Technical Demography".
5. Nick hanley and Others, "Environmenatl Economics", MacMillan.
6. G. Psacharopolous (ed), "Economics of Education" Perdgaman Press.
7. Ian Beardwell and Len Holden (ed), "Human Resource Management – Contemporary Perspective", MacMillan.
8. M.P.Todaro, "Economic Development in the Third World", Oriented Longman.
9. NCAER, "India: Human Development Report".
10. UNDP Human Development Reports, Oxford University Press.



## (b) ECONOMETRIC METHODS

### **Unit – 1: Generalised Least Squares**

Aitken's Theorem of GLS – Feasible GLS and its Properties – Heteroscedasticity: Test and Solutions – Autocorrelation: Test and Solutions.

### **Unit – 2: Non-Linear Estimation**

Non-Linear Least Squares and Iteration process – Models with Binary Dependents Variables – Logit and Probit Models

### **Unit – 3: Distributed Lag Models**

Concept – Koyck Model – Partial Adjustment and Adaptive Expectation Models – Estimation of Models with a Lagged Dependent Variable – Test of Autocorrelation in Auto-Regressive Models

### **Unit – 4: Analysis of Time Series**

Components of Time Series – Fitting of Trend – Variate Difference Method – The idea of a stochastic Time Series - Stationary and Non-stationary Time Series – Autocorrelation Function and Correlelogram - the Problem of Regression Analysis with Non-stationary Time Series.

### **Unit – 5: Introduction to Simultaneous Equation Model**

Structural and Reduced Forms – Simultaneity Bias – Informal Introduction to Identification Problem, Indirect Least Squares and Two Stage least Squares

### **Recommended Readings:**

1. Johnston, J., "Econometric Methods", McGraw Hill.
2. Gujarathi. D., "Basic Econometrics", McGraw Hill.
3. Pindyck and Rubinfeld, "Econometric Models and Econometric Forecasts", McGraw Hill.
4. Greene, William, "Econometric Analysis", Macmillan.
5. Johnston and Dinardo, "Econometric Methods", McGraw Hill.

## (c) ENVIRONMENTAL ECONOMICS

### **Unit –1: The Economy and the Environment**

Interlinkings between the Economy and the Environment – The First two laws of Thermodynamics – Environment Degradation as Market Failure- Externality, Pigouvian Tax, Property Rights and Transaction Costs – Environmental Public Goods

### **Unit – 2: Economics of Natural Resources**

Economic Issues relating to use of Non-renewable Resources, Optimal Depletion – Issues relating to Renewable resources, Sustainable exploitation - Common Property Resources – Open Access – The Tragedy of Commons

### **Unit –3: Valuation of Environmental Damages and Benefits**

Use and Nonuse Values - Valuation Methods – Stated Preference Methods: Contingent Valuation – Revealed Preference Methods: Hedonic Pricing and Travel Cost Method – Environmental Impact Assessment.

### **Unit –4: Environment and Development**

Environment Development Trade off – Poverty and Environment – Concept and Indicators of Sustainable Development: Environmental Accounting - Policies for Sustainable Development.

### **Unit –5: Political Economy of Global Environmental Issues**

Climate Change, Loss of Biodiversity, Ozone Depletion, International Conventions and Protocols –Trade and Environment – Pollution Havens.

### **Recommended Readings:**

1. Kolstad, Charles D., “Environmental Economics”, Oxford University Press.
2. Hanley, Shogren and White, “Environmental Economics”, Macmillan.
3. Shanker, U, “Environmental Economics”, Oxford University Press.
4. Bhattacharjya, R., Environmental Economics”, Oxford University Press.

## (d) FINANCIAL SYSTEM

### **Unit-1: The Financial System**

Components of the financial system: Institutions, Markets, Instruments, and Services.-Functions of the Financial System. - Relationship between the Financial System and Economic Growth.

### **Unit-2: Financial Markets- Money Market**

Structure and Functions. - Instruments in the money market -Treasury Bill, Call Money Market, Commercial Papers, Certificate of Deposits and Commercial Bills. Money Market Intermediaries: The Discount and Finance House of India and Money Market Mutual Funds. Liquidity Management Instruments in the Money Market -.Money Market Derivatives.

### **Unit- 3: Financial Markets- Capital Market**

Structure and functions of the capital market - Primary Equity Market: Instruments of resource mobilization- Public Issues, Right Issues, and Private Placement. Resource mobilization from International Capital Market.- Secondary Equity Market: Functions of the secondary market. The Stock market and its operation. Stock Market Index- The BSE Sensex and the NSE Nifty - Derivative Equity Market: Nature of Derivatives and their benefits. Types of Financial Derivatives. - Debt Market: Participants in the Debt Market- The Private Corporate Debt Market, The PSU Bond Market and the Government Securities Market, MF Role and types of MF – Concepts of NPV.

### **Unit-4: Valuation of Financial Assets**

The time value of money and asset pricing - The valuation of debt instruments - The equilibrium price and quantity of bonds: loanable fund approach, Demand and Supply approach. - Valuing stock and other assets- income stocks and growth stocks -Equilibrium price and value of stock transactions.

### **Unit-5: Financial Sector Reforms**

Evolution of Banking System in India - Banking Sector Reforms - Reforms in the Capital Market.

#### **Recommended Readings:**

1. Baye, R. Michael & Jonson, W. Bennis, “Money, Banking and Financial Market-An Economic Approach”, AITBS Publishers.
2. Pathak, Barati, B., “Indian Financial System”, Pearson Publication.
3. Chandler, V.L., “The Economics of Money and Banking”
4. Saxena, R.M., “Development Banking in India”
5. Gupta, S. B., “Monetary Economics: Institutions, Theory and policy”
6. Avadnani, V.A., “Studies in Indian Financial System”
7. Sharma, S.K., “The Institutional Structure and Capital Market in India”
8. Dagli, V., “Financial Institutions in India”
9. Gupta, U.L., “Working of Stock Exchanges in India”
10. Raj, J., “Money Market, Mutual Funds: Scope and Implications”
11. RBI Reports, Tandon, Chakraborty, Dantwala Reports
12. Reserve Bank of India, “Functions and Working”.

**ACADEMIC CALENDAR**  
**Gauhati University Institute of Distance and Open Learning**  
**Guwahati- 781014, Assam**

<b>ADMISSION</b>			
<b>SEMESTER (TRADITIONAL PROGRAMME)</b>			
A	1	Fresh	July-September
	2	Continuation	July-September
<b>SEMESTER (IT PROGRAMMES)</b>			
B	1	Fresh	July-September
	2	Continuation	Odd Semester (July-September)
			Even Semester (January-February)
<b>ADMISSION TEST FOR M.Sc. IT PROGRAMME</b>			
C	August		
<b>ANNUAL PROGRAMMES</b>			
D	1	Fresh	July-September
	2	Continuation	July-September
<b>DISTRIBUTION OF SLM</b>			
<b>SEMESTER/ANNUAL (TRADITIONAL PROGRAMMES)</b>			
A	1	Fresh	July-October
	2	Continuation	July-October
<b>SEMESTER (IT PROGRAMMES)</b>			
B	1	Odd Semester	July-October
	2	Even Semester	Jan-March
<b>CONTACT CLASSES</b>			
<b>SEMESTER (TRADITIONAL PROGRAMMES)</b>			
A	1	Odd Semester	September-December
	2	Even Semester	March-June
<b>SEMESTER (IT PROGRAMMES)</b>			
B	1	Odd Semester	September-December
	2	Even Semester	March-June
<b>ANNUAL PROGRAMME</b>			
C	1	Previous	December-May
	2	Final	December-May
<b>EXAMINATION : TERM END</b>			
<b>SEMESTER (TRADITIONAL/IT)</b>			
A	1	Previous	July-August (All Sundays)
	2	Final	July-August (All Sundays)
<b>ANNUAL</b>			
August-September (All Sundays)			
B	<i>Schedule may change as per directive of the controller of Examination, GU/Govt. of Assam</i>		

<b>EXAMINATION: Sessional (OMR based Internal Examination)</b>			
A	<b>SEMESTER (TRADITIOAN/IT)</b>		
	1	Odd Semester	November
	2	Even Semester	May
<b>ANNUAL</b>			
January			
<b>DECLARATION OF RESULT (Term End)</b>			
<b>SEMESTER (TRADITIONAL/IT)</b>			
A	1	Odd Semester	May-June
	2	Even Semester	November-December
B	<b>ANNUAL</b>		
	Januray		

**ENCLOSURE-III**  
**SLM covering syllabus**

<b>SL. NO</b>	<b>PAPER NO</b>	<b>PAPER NAME</b>
<b>FIRST SEMESTER</b>		
1	I	Microeconomics Theory
2	II	Macroeconomics Theory – I
3	III	Mathematical Methods for Economic Analysis-I
4	IV	Statistical Methods for Economic Analysis
<b>Second Semester</b>		
5	V	Advanced Microeconomics
6	VI	Macroeconomic Theory –II
7	VII	Mathematical Methods for Economic Analysis-II
8	VIII	Elementary Econometrics
<b>Third Semester</b>		
9	IX	Development Economics-I
10	X	International Economics
11	XI	Issues in Indian Economy
12	XII	Public Finance-I
<b>Fourth Semester</b>		
13	XIII	Development Economics-II
14	XIV	Public Finance-II
15	(a)	Population and Human Resource Development
16	(b)	Econometric Methods
17	(c)	Environmental Economics
18	(d)	Financial System

**GAUHATI UNIVERSITY**  
**INSTITUTE OF DISTANCE AND OPEN LEARNING (GUIDOL)**

**Programme Project Report (PPR)**

**PPR ID :** GU/GUIDOL/PPR/38 (Total no. pages : 22 )

**Programme:** Masters of Arts (M.A.) in Education

**1. Programme mission and objective:**

The mission of the Programme is "to cater the needs of higher education in Education and to widen the periphery of Education."

***Objectives of the Programme:***

The M.A. in Education Programme, aims at producing a team of well-trained individuals knowledgeable in education and its various dimensions. More specifically, the M.A. in Education programme intends to:

- Provide teaching-learning experiences, which will enable learners to understand and appreciate knowledge, structures and paradigms of education.
- Develop professionals for effective participation in educational activities in different areas of education and research.
- give emphasis on both disciplinary and professional dimensions of education as an area of study.
- to develop theoretical and practical foundations of education as a subject.
- to cater to the manpower needs of various public/private educational and research institutions in the relevant field.

**2. Relevance of the programme with HEI's mission and goals:**

Gauhati University was established in the year 1948 with a mission to revitalize educational leadership, to set the standard for the production and dissemination of knowledge as well as to become an effective instrument of change in the society. With this aim in view, the Department of Education was established in 1948 and has set up, over the years, a close association with various formal and informal educational and research institutions.

পঞ্জীয়ক

গুৱাহাটী বিশ্ববিদ্যালয়, গুৱাহাটী-১৪

Registrar

Gauhati University, Guwahati-14

Keeping in view the motto of “*Quality Higher Education For All*”, MA in Education to be offered through ODL mode is highly relevant to the HEI’s mission and goals as it aims to provide quality higher education in Education to those aspiring candidates who are deprived of higher education. Moreover, to keep the quality intact the curriculum and syllabus is designed at par with the conventional mode keeping in mind the specific needs and acceptability of the learners in the ODL mode and in keeping with the aims and objectives of the parent department.

**3. Nature and Target group of Learners:** Our target group includes those:-

- (1) deprived of admission in the parent Department of regular mode due to limited intake capacity.
- (2) employed in various organizations who desire to pursue higher education as a passion or as a means for movement up the promotional ladder
- (3) drop outs primarily due to social , financial and economic compulsions as well as demographic factors.
- (4) job seekers.
- (5) lifelong learners.

Gauhati University also has a provision in the ODL mode for lateral entry for those who had to discontinue the regular programme after successful completion of the first two semesters due to unavoidable reasons. Acceptability of the lateral entry provision is an indicator of parity of the courses in regular and distance mode. The curriculum is designed to enable learners to fulfill their aims and objectives in a manner they deem fit and proper. The curriculum is designed by a committee comprising of experts from the Department of the HEI, external experts and teachers of IDOL, keeping in view the needs of the diverse class of learners.

**4. Appropriateness of the programme to be conducted in the ODL mode for acquiring specific skills and competence-**

MA in Education programme to be offered through ODL Mode will have certain learning outcomes. The programme will help the learners

- to develop conceptual and analytical abilities of learners.
- to enhance and develop their knowledge and understanding of the theoretical and practical foundations of Education as a subject.



- to demonstrate essential knowledge and exhibit disciplinary knowledge and behavior essential for teaching and learning.
- to conduct research in education
- to commit to action that demonstrates care for others

The learners will also be acquainted with various generic skills and competencies for teaching learning, evaluation, educational research and educational management.

## 5. **Instructional Design:**

- Curriculum Design:** The curriculum is designed by a committee comprising experts from the parent department of the HEI and GUIDOL, keeping in view the needs of the diverse class of learners.
  - Detailed Syllabus:** File containing detailed syllabus is attached.
  - Duration of the Program:** Minimum 2 years. However, the learners are required to complete the programme within 4 (four) years from the date of admission.
  - Instructional Delivery Mechanism:** The programme will be delivered in four(4) semesters having five(5) course/papers in each semesters. The learners will be provided with the printed SLM which covers almost all the contents in the syllabus (*Enclosure-III*). Counseling class will be held in headquarter and various affiliated study centres. Telephonic Counseling and providing online learning resource will also be a part of instructional delivery mechanism. The progress of the learners will be evaluated by Internal Assessment and term end/semester end exam.
- e) Faculty:**
1. Prof. Gayatree Goswamee (MA, PhD) Department of Education, Gauhati University & Programme Co-ordinator
  2. Dr. Manoja Kumar Nayak (MA, B.Ed, PhD)  
Asst. Professor, GUIDOL (Full Time)
  3. Guest Faculties from Department of Education HEI and other affiliated colleges.
- f) Media:** Print Media, ICT based content, content delivered through e-learning portal

**g) Student Support Service:** In order to successfully execute the programme, the Institute has a wide range of support services. The various support services are listed as below-

i) **Network of Study Centres:** To assist its learner, IDOL has established 96 study centres throughout the State of Assam but within the territorial jurisdiction of Gauhati University.

ii) **Library** with around 8 thousand collections of materials which includes books, journals, magazines, CD and DVDs.

iii) **E- Learning Portal:** [www.bodhidroom.guidol.in](http://www.bodhidroom.guidol.in) the first of its kind in the entire North east region of India. Which provides the following services to the students:

- Online enrolment of students
- Independent Discussion Forum for every course
- Independent News Forum for every course
- Online interaction facility with faculty members
- Online interaction between the students making the scope of collaborative learning
- Interaction through chatting of all users of all courses who are online.
- Separate Chat Room for individual course
- **Message My Teacher:** When a student logged on to Bodhidroom, after enrolling himself/herself to a course, he/she will see the names of the virtual class teachers. Student can directly send offline messages to the teachers. When the teacher is logged on, he will receive an alert of incoming messages. Then he can reply to the message.
- Online Study Material
- Old Examination Question Papers

iv) **Dynamic Website** [www.idolgu.in](http://www.idolgu.in) : IDOL has its own dynamic website where one can get all the information regarding IDOL, its programme, up-coming events, examination result etc.

v) **Computerised admission process with provision of online admissions:** The whole system of admissions and examinations are managed using professional

software which gives instant online access to learners. Can be accessed through [www.idolgu.in](http://www.idolgu.in).

vi) **Flexible Walk in Group Counselling (FWGC):** Regular group and individual counselling will be held in the IDOL (headquarter) complex as well as in the parent department during all working days. Learners may walk-in to the designated IDOL counselling room and meet their teachers to clarify their doubts.

vii) **PERSONAL CONTACT PROGRAMME(PCP)** :In addition to the Study Materials, useful Personal Contact Programmes will be held at various affiliated study centres, which will enable the students to clarify their confusions and ease their difficulty while going through it. Qualified faculty members of affiliated study centres will help out the attending students by providing necessary tips and Guidelines during the interactive sessions. These sessions are also meant to give the students a chance to meet the teachers personally and discuss their problems.

viii) **Community FM Radio:** Gauhati University has its own Community radio station named as “Radio Luit 90.8 FM” and operates daily from 8AM to 8PM. The Community Radio station shall be extensively used to broadcasts radio talks on various courses daily. The broadcast contents are designed as per the requirements by teaching staff of both the ODL Institute as well as the parent department. Experts are outsourced if the need arises.

## **6. Procedure for Admissions, Curriculum transaction and Evaluation-**

- **Admission-** The admission process shall start from August and end by the end of September every year. The learner can go for either offline or online admission process. The minimum eligibility for MA in Education Programme is Bachelor degree in any discipline, with or without a degree in education from any recognized Indian or Foreign university. The proposed fees for admission is Rs 7000.00 (Seven Thousand) only per year, excluding fee for practicals. Financial Assistance shall be provided to the candidates belonging to the SC/ST and OBC categories in the form of scholarship. Few learners belonging to the economically deprived section as well as the physically challenged category are provided free ship on the recommendation of the Vice Chancellor.

- **Curriculum transaction-** The curriculum shall be transacted throughout the year as per the *Activity Planner* which is enclosed as an annexure.
  - **Evaluation-** Each course/paper shall carry 80% weightage for the term-end examinations and 20% for internal evaluation in the form of Home Assignments/internal examinations. In order to pass/clear a course/paper in a subject, a candidate must secure minimum 35% Marks in each course/paper. However, candidate must secure 40% marks to pass practical papers. All examinations are conducted by the Controller of Examinations as per Rules and Regulations of the Gauhati University.
7. **Library Resource:** The University has a State of the Art Central Library with rich collections of materials which includes books, journals, magazines, CD and DVDs, and is accessible to the ODL learners as well. Moreover, the Institute has its own Library where various books, journals and magazines related to education are available.
8. **Estimated cost of the Programme:** Total estimated cost of the programme is approximately Rs. 52.5 Lakhs which includes preparation and printing of SLMs, remuneration of the resource persons, establishment cost and overheads. The estimate is evaluated considering the unit expenses of Rs.2.5 Lakhs per paper /1000 students for the entire duration of two years.
9. **Quality assurance Mechanism and Expected Programme outcome:**
- **Quality assurance Mechanism** :The institute has a *Centre for Internal Quality Assurance (CIQA)* constituted by the statutory body of the HEI. Members of the Cell are drawn from among the Deans of the different Faculty, Heads of the respective departments, Executive Council members, administrative staff and teaching staff of the institute. The Internal Quality Assurance Cell shall review the relevance and standard of the programme from time to time and make necessary changes in the syllabus and contents of the programme. The HEI shall continuously monitor the effectiveness of the program through *CIQA* and other statutory bodies.
  - **Expected Programme outcome:** The expected programme outcome is reflected in the Course Benchmark Statement, which is stated as below-

**Course Benchmark Statement:** Master's degree in the Education shall be awarded to those learners who demonstrate:

- theoretical and practical foundations of education as a subject
- conceptual and analytical abilities to field educational psychology
- essential knowledge, proficiency and behavior essential for teaching.
- ability for further study and research in education and other related domains.
- professional competency in the relevant field

**Syllabus for MA Programme (Semester System)  
in Education  
Gauhati University  
Institute of Distance and Open Learning**

**COURSE STRUCTURE**

A student shall do a total number of 20 (twenty) papers in the four Semesters. Each paper will carry 80 marks of which 16 marks (20% of the total marks) for internal evaluation during the semester and 64 marks for external evaluation through end semester examination.

**First Semester**

PAPER CODE	PAPER NAME	Marks		Total
		Examination	Home Assignment	
EDU-101	SOCIOLOGY OF EDUCATION	64	16	80
EDU-102	ADVANCED EDUCATIONAL PSYCHOLOGY	64	16	80
EDU-103	EDUCATIONAL TECHNOLOGY	64	16	80
EDU-104	COMPARATIVE EDUCATION	64	16	80
EDU-105	METHODS AND TECHNIQUES OF TEACHING	64	16	80

**Second Semester**

PAPER CODE	PAPER NAME	Marks		Total
		Examination	Home Assignment	
EDU-201	SOCIAL DYNAMICS	64	16	80
EDU-202	MEASUREMENT AND EVALUATION IN EDUCATION	64	16	80
EDU-203	PROBLEMS AND ISSUES IN INDIAN EDUCATION	64	16	80
EDU-204	(A) ABNORMAL PSYCHOLOGY	64	16	80
	(B) DEVELOPMENTAL PSYCHOLOGY	64	16	80
EDU-205	OPEN AND DISTANCE EDUCATION	64	16	80

### Third Semester

PAPER CODE	PAPER NAME	Marks		Total
		Examination	Home Assignment	
EDU-301	METHODOLOGY OF EDUCATIONAL RESEARCH	64	16	80
EDU-302	STATISTICS IN EDUCATION	64	16	80
EDU-303	TEACHER EDUCATION	64	16	80
EDU-304	EDUCATION PLANNING AND MANAGEMENT	64	16	80
EDU-305	LABORATORY PRACTICAL			80

### Fourth Semester

PAPER CODE	PAPER NAME	Marks		Total
		Examination	Home Assignment	
EDU-401	PHILOSOPHY OF EDUCATION	64	16	80
EDU-402	THEORIES OF EDUCATION	64	16	80
EDU-403	ENVIRONMENTAL AND POPULATION EDUCATION	64	16	80
EDU-404	(A) ECONOMICS OF EDUCATION	64	16	80
	(B) GUIDANCE & COUNSELLING	64	16	80
EDU-405	CURRICULUM DEVELOPMENT	64	16	80

## FIRST SEMESTER

### DETAIL SYLLABUS FOR

### EDU 101 : SOCIOLOGY OF EDUCATION

**Unit 1 : Sociology of Education:** Its nature and scope, Theories of Educational Sociology

**Unit 2 : Culture:** Primitive culture and modern culture, material culture and spiritual culture, composite culture, multiculturalism, culture and personality, Education as an instrument of socio-cultural change.

**Unit 3 : Agents of Socialization:** Family, School, State and Religion. The School as a Social system.

**Unit 4 : Social Stratification and Social Mobility:** Education and Social mobility. Social change, social control and social order, Population growth and social change, Education and Population Control.

**Unit 5 : Social Disorganisation:** Factors in social disorganization. The Role of Education in the prevention and control of social disorganisation.

#### Reference & Suggested Readings :

- Ogburn and Nimkoff : *A Handbook of Sociology*
- S.S. Mathur : *A Sociological Approach to Indian Education*

---

### EDU 102 : ADVANCED EDUCATIONAL PSYCHOLOGY

**Unit 1 : Learning :** Meaning and Nature, Theories of Learning- Connectionism, Gestalt Theory, Field Theory, Classical Conditioning, Operant Conditioning. Constructivism and their Educational Implications.

**Unit 2 : Variables in Human Learning:** Maturation in learning, Motivation in learning, Meaning of intrinsic /extrinsic motivation. Theory of Achievement Motivation, Maslow Need Theory, Role of Teacher, Transfer of Training/ Learning, Types of Transfer of Learning, Theories of Transfer of Learning- (1) Theory of Mental Discipline (2) Theory of Identical Elements or Components (3) Theory of Generalisation of Experience - Role of Teacher in Transfer of Learning.

**Unit 3 : Intelligence:** Meaning and Nature, Influence of Heredity and Environment on Intelligence, The Piagetian Theory of Intellectual Development, Concept of Multiple Intelligence, Social Intelligence and Emotional Intelligence.

**Unit 4 : Reasoning, Problem Solving and Creative Thinking:** Characteristics of Problem Solving, Nature, Development and identification of creativity and fostering creativity.

**Unit 5 : Personality:** Meaning and Nature, Development, Genetic and Cultural Factors of Personality. Theories of Personality-Trait Theory and Type Theory with special reference to Freud, Adler, Roger, Cattell. Adjustment Mechanism and Mental Hygiene.

**Reference & Suggested Readings :**

1. S.K. Mangal : *Advanced Educational Psychology*
2. HR. Bhatia : *Elements of Educational Psychology*
3. S.S. Chauhan : *Advanced Educational Psychology*

---

### **EDU 103: EDUCATIONAL TECHNOLOGY**

**Unit 1 : Educational Technology:** Meaning, Nature and Scope, Role of Educational Technology in Distance Education.

**Unit 2 : Approaches to Educational Technology:** Hardware approach and Software approach.

**Unit 3 : System Approach:** Instructional Design.

**Unit 4 : Programme Instruction:** Meaning, Scope, Importance of Programmed Instruction, Basic Principles of Programme Instruction.

**Unit 5 : Educational Technology for Teachers:** Flanders Interaction Analysis, Computer Assisted Instruction (CAI), Computer Managed Learning (CML) Computer Aided Evaluation (CAE), Internet-Meaning, Historical Background, Importance, Utility, Role of Internet in Education, Teleconferencing, E-learning tools, OER (Open Educational Resources).

**Reference & Suggested Readings :**

1. J.C. Agarwal : *Essentials of Educational Technology Teaching Learning in Education.*
2. Dr. A.R. Sarma : *Educational Technology*
3. Usha Rao : *Educational Technology*

---

### **EDU 104: COMPARATIVE EDUCATION**

**Unit 1 : Comparative Education:** Its Meaning, Scope, Purpose, and Methods, Determinants of National System of Education.

**Unit 2 : England:** National Educational System of England, Pattern of Administration, Primary Education, Secondary Education, Higher Education and Teacher Education.

**Unit 3 : Japan:** National Educational System of Japan, Pattern of Administration, Primary Education, Secondary Education, Higher Education and Teacher Education.

**Unit 4 : USA:** National Educational System of USA, Pattern of Administration, Primary Education, Secondary Education, Higher Education and Teacher Education.



**Unit 5 : Germany:** National Educational System of Germany, Pattern of Administration, Primary Education, Secondary Education, Higher Education and Teacher Education.

**Reference & Suggested Readings :**

1. Chaube and Chaube : *Comparative Education*
2. V.K. Rao & R.S. Reddy : *Comparative Education*

---

**EDU 105: METHODS AND TECHNIQUES OF TEACHING**

**Unit 1 : The Teaching Learning Process:** General Characteristics, Aims and Nature of Learning. Marks of Good Teaching.

**Unit 2 : Taxonomy of Educational Objectives:** Historical Background - Problems of Classifying Educational Objectives.

**Unit 3 : Teaching Techniques:** Maxims of Teaching, Teaching Devices, Explanation, Questioning, Illustration, Teaching Aids, Style of Teaching.

**Autocratic Style:** Lecture Method, Demonstration, Tutorial, Team Teaching.

**Permissive Style:** Brain Storming, Group Discussion. Panel Discussion, Project, Seminar, Symposia, Workshop. Virtual Classroom.

**Unit 4 : Micro Teaching:** Skill Development and Stimulation.

**Unit 5 : Lesson Plan:** Essential of a Good lesson Unit, Types of Lesson skill, Knowledge. Appreciation, Methods of Teaching different subjects - Languages, Mathematics, General Science and Social Studies.

**Reference & Suggested Readings :**

1. S.K. Kochhar : *Methods and Techniques of Teaching*
2. Bhatia and Bhatia : *The Principles and Methods of Teaching*

**SECOND SEMESTER**

**DETAIL SYLLABUS FOR**

**EDU 201 : SOCIAL DYNAMICS**

**Unit 1 : Beliefs and Attitudes:** Meaning, Nature and Development of Attitudes. Influence of Attitude on Behaviour, Fads, Mores, Folkways, Prejudices and Superstitions.

**Unit 2 : Attitude Change:** Resistance of Attitude to change, Attitude change through Persuasion, Propaganda, Counter Propaganda and Education.

**Unit3 : Social Interaction I:** Interpersonal Perception, Interpersonal response, Interpersonal Attraction, Theories of attraction, Person's Perception.

**Unit 4 : Social Interaction II :** Social Interaction and Education, The School as a Social System, Social Interaction in the Classroom, Teacher Student Relationship, Peer Group and Student Sub-Culture.

**Unit 5 : Group Organisation and Structure:** Group Size, Group Cohesiveness and Group Morale, Group Dynamics, Intergroup Conflict, Reduction of Intergroup Conflict, Leadership-Characteristics and Functions, Leadership Training.

**Reference & Suggested Readings :**

1. B. Kuppaswami : *An Introduction to Social Psychology*
2. Haseen Taj : *Social Psychology*

---

**EDU 202 : MEASUREMENT AND EVALUATION IN EDUCATION**

**Unit 1 : Scales of Measurement:** Measurement in Physical and Social Sciences, Nature of Educational Measurement and Evaluation.

**Unit 2 : Test Construction and its Standardization:** Meaning and Nature, Principles and Methods of Test construction and standardization, Selection of subject matter, Item writing. Administration, Analysis and Selection of Test Items, Methods for Estimating Test Reliability, Test validation Procedures. Test Scores and Scales, Norms and their uses.

**Unit 3 : Measurement of General Intelligence:** Binet-Simon Tests, Weschler Tests of intelligence, Age scale and Point scale. Uses of General Intelligence Tests in Education.

**Unit 4 : Aptitude Tests:** Attitude Tests, Test of Interest, personality Tests through Subjective, Objective and Projective techniques, Test of Creativity.

**Unit 5 : Educational Achievement and its Measurement:** Objectives of Achievement Tests, Construction of Achievement Test, Diagnostic Test and Performance Test, Essay and Objective Type Tests.

**Reference & Suggested Readings :**

1. Bipin Asthana & R.N. Agarwal : *Measurement & Evaluation in Psychology and Education*
2. M. Goswami : *Measurement & Evaluation in Psychology and Education*

---

**EDU 203 : PROBLEMS AND ISSUES IN INDIAN EDUCATION**

**Unit 1 : Educational Provisions:** Educational Provisions of the Indian Constitution and their implementations.

**Unit 2 : Right to Education:** Education for Human Rights, Child Rights, Women Rights.

**Unit 3 : Role of Association of Indian University (AIU):** University Grants Commission (UGC) and National Assessment and

Accreditation Council (NAAC) in the Management and Control of Indian Higher Education.

**Unit 4 : Problems of Higher Education:** Problems of Finance, Educational Autonomy, Privatization and Globalization of Higher Education.

**Unit 5 : Issues of Education:** Women Education; Student Unrest and Campus Disturbance, Early Childhood Education, Continuing Education, Distance Education, Peace Education, Vocationalization of Secondary Education, Medium of Instruction.

**Reference & Suggested Readings :**

1. R.N. Safaya: *Development, Planning & Problems of Indian Education*
2. V.K. Kohli : *Indian Education & Its Problem*

---

**EDU 204 (A) : ABNORMAL PSYCHOLOGY**

**Unit 1 : Concept of Abnormal Behaviour:** Popular Beliefs and Misconception, Modern Concept of Abnormality, Classification of the Abnormal Behaviours, General causes of Abnormal Behaviour.

**Unit 2 : The Adjustment Process:** Frustration and Conflict, Reaction to Frustration, Problems of Personal Adjustment, Adjustment with self and situations prevailing at Home, School and Environment.

**Unit 3 : Concept of Mental Health and Hygiene:** Scope of Mental Hygiene, Mental Hygiene Movement, Mental Hygiene and Education, Mental Deficiency, Alcoholism and Drug Addiction, Anti Social Activity.

**Unit 4 : Psychoneurosis and Psychoses:** Hysteria, Anxiety, Neuroses, Obsessive Compulsive Neuroses, Phobias, Schizophrenia, Manic Depressive Psychoses, Involutional Melancholia, Paranoia.

**Unit 5 : Incidence and Care of Mental Patient:** Hospitalisation and Treatment, Psycho Therapy, Hynosis and Psycho Analysis.

**Reference & Suggested Readings :**

1. S.K.Mangal : *Abnormal Psychology*
  2. S.P. Chaube : *Abnormal Psychology*
- 

**EDU 204 (B): DEVELOPMENTAL PSYCHOLOGY**

**Unit I : Growth and Development:** Concept, Prenatal Development, The New Born Child, Actions and Reactions of the Neonate.

**Unit 2 : (a) Infancy:** Developmental Aspects, Emotional, Motor, Sensory, Early Needs and Habit Formation,

**(b) Childhood:** Language Development in Children, Development of Concepts, Speech Development.

**Unit 3 : Children and their Parents:** Individual differences in response to parental acceptance and rejection, children of broken homes, children of working mothers.

**Unit 4 : Physiological Growth:** Mental Development, Moral Development, Social Development during Adolescence, Influence of Family and Peers in their Social Relationships.

**Unit 5 : Personality Development during Adolescence:** Self Concept, Self Esteem, Personality Deviation, Adjustment Problems and Juvenile Delinquency.

**Reference & suggested Readings :**

1. Hurlock : *Developmental Psychology*
2. Thompson : *Child Psychology*
3. Gayatree Goswamee : *Child Development and Child Care*

**EDU 205: OPEN AND DISTANCE EDUCATION**

**Unit I : Growth, Philosophy and History of Distance and Open Learning:** Socio-Academic Issues of Distance and Open Learning, Philosophical Foundations of Distance and Open Learning, Growth and History of Distance Learning, Growth and Innovations of Distance and Open Education.

**Unit 2 : Self Learning Materials for Distance and Open Learning:** Factors in the Design of Learning Materials, Principles of SLM Design, Design of Self Learning Materials : A Review, Preparation of Learning Materials, Operational Aspects.

**Unit 3 : Students Support Services:** Support Seivices, Need and Mechanisms, Counselling and Tutoring Services, Interaction through Assignments.

**Unit 4 : Planning and Management of Distance and Open Learning:** Planning and Management at Open University system.

**Unit 5: Information and Communication Technology for Distance Education :** Communication Technology Basics, Media in Distance Education, Audio and Video Production, Computer and Communication Networks.

**Reference & Suggested Readings :**

1. A.B. Aich & Anirvan Ghosh : *Open and Distance Learning*
2. K.M. Manohar : *Distance Education in India*
3. K. Das : *ODL System in Transition*
4. S. Ramalingam : *Open Distance Learning*

## **THIRD SEMESTER**

### **DETAIL SYLLABUS FOR**

#### **EDU. 301 METHODOLOGY OF EDUCATIONAL RESEARCH**

**Unit 1 : Meaning, Nature and Scope of Educational Research:**

Methodes of Educational Research - Survey Method, Experimental Method and Historical Method.

**Unit 2 : Review of Related Literature:** Its Need and Importance

in Educational Research, Hypothesis, Its Meaning and Nature in Educational Research, Characteristics of Valid Hypothesis, Sources of Hypothesis, Formulation and testing Hypothesis, Null Hypothesis and its Importance in Educational Research.

**Unit 3 : Sampling:** Meaning and Nature, types of Sampling,

Representative Vs Random Sampling, Techniques of Randomization in Sample Selections, Sample Size, Random Sampling Errors and its Importance for Drawing Inferences.

**Unit 4 : Tools of Educational Research:** Observation Schedule,

Questionnaire tools, Interview Schedule, Psychological and Educational Tests.

Analysis and Interpretation of Data-Qualitative and Qualitative Techniques of Data Analysis.

**Unit 5 : Preparation of Research Synopsis:** Steps involved in

preparing Research Proposal. The Research Report.

**Reference & Suggested Readings :**

1. Lokesh Koul : *Methodology of Educational Research*
2. Fredn N. Kerlinger : *Methodology of Educational Research*

#### **EDU. 302 STATISTICS IN EDUCATION**

**Unit 1 : Normal Distribution:** Characteristics and its Applications.

**Unit 2 : Measures of Central Tendency and Dispersion:** Parametric and Non Parametric - Concept and Types.

**Unit 3: Chi-square:** Chi Square of Equation, Normality and Independence.

**Unit 4 : Regression and Correlation:** Regression Equation, Regression and Prediction, Product Moment Correlation and Scattered Diagram.

**Unit 5 : Z-test and T-test:** For Independent and Dependent Group, Analysis of Variance: one way and two way Anova.

**Reference & Suggested Readings :**

1. H.E. Garrett : *Statistics in Psychology and Education*
2. S.K. Mangal : *Statistics in Psychology and Education*
3. Kaberi Saha : *Statistics in Education and Psychology*

---

#### **EDU. 303 TEACHER EDUCATION**

**Unit 1 : Concept of Teacher Education:** Historical Development of Teacher Education, Distinction between Teacher Training and Teacher Education, Professional Ethics of Teachers.

**Unit 2 : Preparation of Teachers** for Primary, Secondary and Higher Stages.

**Unit 3 : Institutions** associated with Teacher Education - NCERT, SCERT, DIET, NCTE and ASC and their roles.

**Unit 4 : Preparation of Teachers for Specialized Areas:** Physical Education, Language, Science, Mathematics and Social Sciences.

**Unit 5 : Professional Preparation of Teachers** through Distance Mode, Challenges of Teacher Education.

**Reference & Suggested Readings :**

1. S.S. Mathur : *Teacher and Secondary Education*

## EDU. 304 EDUCATIONAL PLANNING AND MANAGEMENT

### Unit 1 : Meaning, Nature and Scope of Educational Management:

Educational Management, Administration & Organisation their difference & relationship; Basic Principles of Educational Management.

Educational Institutions in the changing Social Scenario of the 21<sup>st</sup> century; Futurology of managing Higher Education; Human relation Movement in Educational Management; Total Quality Management in Education (TQM).

**Unit 2 : Management Process in Education:** Planning, Organizing, Directing and Controlling. The Center-State Relationship in Educational Planning and Administration; Educational Planning in India after Independence, Approaches to Educational Planning- Social Demand Approach, Rate of return Approach, Manpower Requirement Approach-their Limitation; Factors Affecting Educational Planning & Administration.

**Unit 3 : Institutional Planning:** Its Need and Importance; Planning for Infrastructure and Personal; Classroom Management with reference to Teacher as a Manager and Managerial Skills.

**Unit 4 : Personal Management in Education:** Recruitment and Selection of Teaching and Administrative Staff; Staff Development in Education.

**Unit 5 : Finance:** Importance of Educational Financing at various Levels. Selecting Priorities for Financing of Education, Privatization of Higher Education in India, Planning Programming Budgeting System (PPBS) Educational Supervisions.

### Reference & Suggested Readings :

1. Ramesh Sing & M. Chouhan : *Management of Education*
2. J. Mohanty : *Educational Management, Saperism, School Organisation*

## EDU. 305 LABORATORY PRACTICAL

**Course Content :** The Course Content will consist of One Module – Laboratory Practical

Distribution of marks per unit:

Psychological Experiment with Apparatus	30
Psychological Experiment without Apparatus	20
Viva Voice	15
Note Book	15
Total	80

### LIST OF EXPERIMENTS AND TESTS

- LEARNING**
- (i) Learning by Trial and Error Process
  - (ii) Effect of Mental Fatigue in Learning
  - (iii) Distributed Vs Massed Learning
  - (iv) Whole Vs Part Method of Learning
  - (v) Maze Learning
  - (vi) Proactive and Retroactive Inhibition
  - (vii) Associative Mediation Effect in Verbal Learning (Short Term)
- TRANSFER OF LEARNING**
- (i) Bilateral Transfer- Mirror Drawing
- MOTIVATION**
- (i) Knowledge of Result
  - (ii) Effect of Frustration on Performance
  - (iii) Achievement Motivation
- MEMORY**
- (i) Comparison of Memorization between Meaningful Materials and Non-sense Materials
  - (ii) Memorization by Association of Ideas

	(iii) Logical Memory and Memory of Discrete Materials
	(iv) Auditory and Visual Memory
	(v) Short Term Memory as a Function of Retention Interval
<b>ATTENTION</b>	(i) Span of Attention
	(ii) Distraction and Attention
	(iii) Division of Attention
<b>PERSONALITY</b>	(i) Testing of Personality- Measurement of Values
	(ii) Personality Test of Introversion - Extroversion
	(iii) Personality Adjustment Test
	(iv) Rorschach Ink Blot Test
	(v) Thematic Apperception Test
<b>INTEREST</b>	(i) Measurement of Interest
<b>INTELLIGENCE</b>	(i) Measurement of verbal and Non-verbal Intelligence
<b>APTITUDE</b>	(i) Differential Aptitude Test (DAT)
<b>REACTION TIME</b>	(i) Simple Reaction Time
	(ii) Complex Reaction Time
	(iii) Associative Reaction Time
<b>IMAGINATION</b>	(i) Ink Blot Test
	(ii) Creative Imagination and Invention
<b>THINKING</b>	(i) Concept Formation

**Reference & suggested Readings :**

1. P.C. Das : *Experiment and Measurement in Education and Psychology*
2. L. R. Saikia : *Psychological and Statistical Experiments in Education*

**FOURTH SEMESTER**  
**DETAIL SYLLABUS FOR**

**EDU. 401 PHILOSOPHY OF EDUCATION**

**Unit 1 : Nature and Scope of Philosophy:** Philosophy and Science, Philosophy and Education, Content and Function of Educational Philosophy.

**Unit 2 : Basic Philosophy** of Vedic, Buddhistic and Islamic Education in India.

**Unit 3 : Platonic philosophy** of Education.

**Unit 4 : Schools of Educational Philosophy:** Naturalism, Idealism, Pragmatism and Existentialism, Realism.

**Unit 5 : Values in Life and Education:** Subjective and Objective Nature of Values, Moral Values, Religious Values, Social Values, Democratic Values, Aesthetic Values, Power Values, Family Prestige Values, Health Values and Environmental Values.

**Reference & Suggested Readings :**

1. Chaube & Chaube : *Philosophical and Sociological Foundation of Education*
2. M. Sarma : *Philosophical and Sociological Foundation of Education*

---

**EDU. 402 THEORIES OF EDUCATION**

**Unit 1 : Aims of Education:** Proximate and Ultimate Aims, The Criteria of Good Aims, Natural Development, Social Efficiency and Culture as Aims, Education for Labour and Leisure.

**Unit 2 : Curriculum:** Curriculum and the Child, Curriculum and Knowledge, Curriculum and Values.

**Unit 3 : Determinism and Freewill, Education and Freewill.**



**Unit 4 : Political Philosophy and Education:** Fascism, Communism and Democracy.

**Unit 5 : Economic order and Education:** Educational Implications of Capitalism and Socialism.

**Reference & Suggested Readings :**

1. B.N. Dash : *Foundations of Education*
2. J.C. Agarwal : *Theory and Principles of Education.*

---

**EDU. 403 ENVIRONMENTAL & POPULATION EDUCATION**

**Unit 1 : Meaning, Nature and Importance of Environmental Education:** Education for Environmental Awareness and Attitude Change.

**Unit 2 : Relationship between Man and Environment:** Ecological and Psychological Perspectives.

**Unit 3 : Programmes of Environmental Education:** for Primary, Secondary and Higher Institutions.

**Unit 4 : Environmental Stressors:** Natural and Man made Disasters, Education for coping with the Environmental Stressors.

**Unit 5 : Meaning, Nature and Scope of Population Education:** Importance and its Objectives in the 21<sup>st</sup> century. Population and Quality of Life, Population in relation to Socio-economic Development, Health Studies, Health Service, Population related Policies and Programmes- UNFPA, WHO & UNESCO.

**Reference & Suggested Readings :**

1. Srivastava : *Environmental Education: Principles, Concept and Management .*
2. R.A. Sarma : *Environmental Education.*

**EDU. 404 OPTIONAL (A) ECONOMICS OF EDUCATION**

**Unit 1 : Economics of Education:** Concept, Scope and Significance, Recent trends in Economics of Education. Education as a Consumption Concept, Significance and Strategies.

**Unit 2 : Education as Investment:** Concept, Significance and Strategies, Education and Economic Development: Human Capital formation and Manpower Planning.

**Unit 3 : Cost Benefit Analysis of Education:** Taxonomy of Cost of Education. Taxonomy of Education. Inputs and outputs- Concepts and Relationships between the two.

**Unit 4 : Resources for Education:** Role of the Centre, States and Institutions for Financing Education.

**Unit 5 : Financing Education:** Theoretical Considerations, Problems of Financing. Grant-in-aid Scheme, Self Financing in Education.

**Reference & Suggested Readings :**

1. Latchanna : *Economics of Education.*
2. A. K. Ahuja : *Economics of Education.*

---

**EDU. 404 OPTIONAL (B) GUIDANCE AND COUNSELLING**

**Unit 1 : Meaning, Function and Role of Guidance and Counselling:** Principles of Guidance and Counselling, Types of Guidance- Personal Guidance, Vocational Guidance, Educational Guidance, Role of Teacher in Guidance and Counselling.

**Unit 2 : Guidance Needs of Students:** Home Centred Problems, School Centred Problems. Adjustment Needs of Adolescents, Counselling in Individual Situations, Group Guidance and Counselling.

**Unit 3 : Child Guidance Clinic:** Importance, Organization of Child Guidance Clinic, Personnel Involved in Child Guidance Clinic.

**Unit 4 : Case Study Procedure in Guidance:** Importance of Questionnaires Autobiography, Anecdotal Reports, Interview, Cumulative Personal Record in Case Study.

**Unit 5 :** Guidance Programme in a School.

**Reference & Suggested Readings:**

1. K. Charles & N.G. Yothsna : Guidance and Counselling
2. A. K. Nayak : Guidance and Counselling

**EDU. 405 CURRICULUM DEVELOPMENT**

**Unit 1 : Curriculum:** Meaning, Characteristics, Definitions, Scope and Importance, Relation with Educational Objectives, Structure and Organization.

**Unit 2 : Foundations of Curriculum:** Philosophical, Psychological, Social and Cultural, Technological and Scientific.

**Unit 3 : Instructional Materials:** Different kinds of Instructional Materials, Importance of these Materials, Applications of Education Technology-Hardware and Software.

**Unit 4 : Existing Curriculum:** Defects, Principles for the Constructions of Curricula, Methods to be used. Construction of Curricula for Various Stages of Education, Change in Curriculum Construction in India.

**Unit 5 : Curriculum Planning:** Innovation-Practice and theory in Curriculum, Place of Text Books, Essentials of Good Text Books, Selection of Text Books.

**Reference & Suggested Readings :**

1. Vinay Rao : *Curriculum Development*
2. Navneet Bhalla : *Curriculum Development*
3. Arul Jothi : *Curriculum Development*



**GAUHATI UNIVERSITY**

**M.A Syllabus  
in  
EDUCATION**



*Issued by*

**GAUHATI UNIVERSITY**  
**INSTITUTE OF DISTANCE AND OPEN LEARNING**

**Gopinath Bordoloi Nagar  
Guwahati-781 014  
ASSAM : INDIA**

**ACADEMIC CALENDAR**  
**Gauhati University Institute of Distance and Open Learning**  
**Guwahati- 781014, Assam**

<b>ADMISSION</b>			
<b>SEMESTER (TRADITIONAL PROGRAMME)</b>			
A	1	Fresh	July-September
	2	Continuation	July-September
<b>SEMESTER (IT PROGRAMMES)</b>			
B	1	Fresh	July-September
	2	Continuation	Odd Semester (July-September)
			Even Semester (January-February)
<b>ADMISSION TEST FOR M.Sc. IT PROGRAMME</b>			
C	August		
<b>ANNUAL PROGRAMMES</b>			
D	1	Fresh	July-September
	2	Continuation	July-September
<b>DISTRIBUTION OF SLM</b>			
<b>SEMESTER/ANNUAL (TRADITIONAL PROGRAMMES)</b>			
A	1	Fresh	July-October
	2	Continuation	July-October
<b>SEMESTER (IT PROGRAMMES)</b>			
B	1	Odd Semester	July-October
	2	Even Semester	Jan-March
<b>CONTACT CLASSES</b>			
<b>SEMESTER (TRADITIONAL PROGRAMMES)</b>			
A	1	Odd Semester	September-December
	2	Even Semester	March-June
<b>SEMESTER (IT PROGRAMMES)</b>			
B	1	Odd Semester	September-December
	2	Even Semester	March-June
<b>ANNUAL PROGRAMME</b>			
C	1	Previous	December-May
	2	Final	December-May
<b>EXAMINATION : TERM END</b>			
<b>SEMESTER (TRADITIONAL/IT)</b>			
A	1	Previous	July-August (All Sundays)
	2	Final	July-August (All Sundays)
<b>ANNUAL</b>			
August-September (All Sundays)			
B	<i>Schedule may change as per directive of the controller of Examination, GU/Govt. of Assam</i>		

<b>EXAMINATION: Sessional (OMR based Internal Examination)</b>			
A	<b>SEMESTER (TRADITIOAN/IT)</b>		
	1	Odd Semester	November
	2	Even Semester	May
<b>ANNUAL</b>			
January			
<b>DECLARATION OF RESULT (Term End)</b>			
<b>SEMESTER (TRADITIONAL/IT)</b>			
A	1	Odd Semester	May-June
	2	Even Semester	November-December
B	<b>ANNUAL</b>		
	Januray		

**ENCLOSURE-III**  
**SLM covering syllabus**

<b>Semester</b>	<b>Paper No</b>	<b>Paper Name</b>
I	<b>101</b>	Sociology of Education
	<b>102</b>	Advanced Educational Psychology
	<b>103</b>	Educational Technology
	<b>104</b>	Comparative Education
	<b>105</b>	Methods and Techniques of Teaching
II	<b>201</b>	Social Dynamics
	<b>202</b>	Measurement and Evaluation in Education
	<b>203</b>	Problems and Issues in Indian Education
	<b>204(Opt)</b>	(A) Abnormal Psychology
	<b>204(Opt)</b>	(B) Developmental Psychology
	<b>205</b>	Open and Distance Education
III	<b>301</b>	Methodology of Educational Research
	<b>302</b>	Statistics in Education
	<b>303</b>	Teacher Education
	<b>304</b>	Educational Planning and Management
IV	<b>401</b>	Philosophy of Education
	<b>402</b>	Theories of Education
	<b>403</b>	Environmental and Population Education
	<b>404(opt)</b>	(A) Economics of Education
	<b>404(opt)</b>	(B) Guidance & Counselling
	<b>405</b>	Curriculum Development

**GAUHATI UNIVERSITY**  
**INSTITUTE OF DISTANCE AND OPEN LEARNING (GUIDOL)**

**Programme Project Report (PPR)**

**PPR ID : GU/GUIDOL/PPR/02 (Total no. pages : 2-1 )**

**Programme: Master of Arts (M.A.) in English**

- 1. Programme mission and objective:** The programme to be introduced by Gauhati University in the ODL mode seeks to bring the learners to the domain of English literature and aims to introduce them to various dimensions and aspects of English Studies.

*The objectives of the programme are:*

- To familiarize the learners with the established canonical texts , classics as well as significant new works in English
  - To orient learners from diverse fields of study to the living dynamism of English literature
  - To help learners gain a firm foundation in the practices of literary analysis
  - To cater to the ever-increasing demand in academic and corporate sector for English educated community in the wake of global spread of English
  - To extend higher education in English literature beyond all conventional barriers, for the creation of future teachers and scholars.
- 2. Relevance of the programme with HEI's mission and goals:**

Gauhati University was established in 1948 with a mission to revitalize educational leadership, to set the standards for the production and dissemination of knowledge as well as to become an effective instrument of change in the society. With this broad aim in view, the Department of English was established in 1955.

Master of Arts (M.A.) in English to be offered through ODL mode with the motto of "quality higher education for all", is in synch with the HEI's mission and goals because it aims to bring learners from various communities and strata –those deprived of higher education due to various factors--to the fold of English literature. Further, to maintain the

quality of education the curriculum as well as the syllabus have been designed keeping it at par with the curriculum in the parent Department, considering the specific needs and requirements of the distance learners and keeping in view the aims and objectives of the parent department.

**3. Nature and target group of learners:** Our target group includes-

- 1) those deprived of admission in the parent Department of regular mode due to limited intake capacity.
- 2) those employed in various organizations who desire to pursue higher education as a passion or as a means for movement up the promotional ladder
- 3) drop outs primarily due to social , financial and economic compulsions as well as demographic factors.
- 4) job seekers.
- 5) lifelong learners.

Gauhati University also has a provision in the ODL mode for lateral entry for those who had to discontinue the regular programme after successful completion of the first two semesters due to unavoidable reasons. Acceptability of the lateral entry provision is an indicator of parity of the courses in regular and distance mode. The curriculum is designed to enable learners to fulfil their aims and objectives in a manner they deem fit and proper. The curriculum is designed by a committee comprising of experts from the Department of the HEI , external experts and teachers of IDOL, keeping in view the needs of the diverse groups of learners.

**4. Appropriateness of the programme to be conducted in the ODL mode for acquiring specific skills and competence-**

The M.A. Programme in English to be offered through ODL mode will have certain learning outcomes. The programme will help the learners:

- To gain a comprehensive knowledge of English literature and language.
- To achieve an expertise in literary analysis and criticism.
- To build up necessary competence among learners required for scholarship and teaching of English literature.
- To acquire mastery in English language for all communicative purposes including reading, writing, performing and speaking.

- To gain an interest in various domains of philosophy , history and sociology connected to English literature for further enquiry and engagements

## 5. **Instructional Design:**

- a) **Curriculum Design:** The curriculum is designed by a committee comprising experts from the parent department of the HEI and GUIDOL, keeping in view the needs of the diverse class of learners.
- b) **Detailed Syllabus:** File containing detailed syllabus is attached.
- c) **Duration of the Program:** Minimum 2 years. However, the learners are required to complete the programme within 4 (four) years from the date of admission.
- d) **Instructional Delivery Mechanism:** The programme will be delivered in four(4) semesters having five(5) course/paper in each semester. The learners will be provided with the printed SLM which covers almost all the contents in the syllabus. Counseling class will be held in headquarter and various affiliated study centres. Telephonic Counseling and providing online learning resource will also be a part of instructional delivery mechanism. The progress of the learners will be evaluated by Internal Assessment and term end/semester end exam.
- e) **Faculty:**
  1. Mr. Dalim Ch. Das  
Assistant Professor, GUIDOL (full time) cum Course Coordinator for English
  2. Faculty members from HEI and other affiliated colleges.
  3. Eminent resource persons in the field of literature.
- f) **Media:** Print Media, E-Learning Portal and ICT enabled tools
- g) **Student Support Service:** In order to successfully execute the programme, the ODL mode of HEI has a wide range of support services. The various support services are listed as below-
  - i) **Network of Study Centres:** To assist its learner, IDOL has established 96 study centres throughout the State of Assam but within the territorial jurisdiction of Gauhati University.
  - ii) **Library** with around 7 thousand collections of materials which includes books, journals, magazines, CD and DVDs.

iii) **E- Learning Portal:** [www.bodhidroom.guidol.in](http://www.bodhidroom.guidol.in) the first of its kind in the entire North east region of India. Which provides the following services to the students:

- Online enrolment of students
- Independent Discussion Forum for every course
- Independent News Forum for every course
- Online interaction facility with faculty members
- Online interaction between the students making the scope of collaborative learning
- Interaction through chatting of all users of all courses who are online.
- Separate Chat Room for individual course
- **Message My Teacher:** When a student logs in to Bodhidroom, after enrolling himself/herself to a course, he/she will see the names of the virtual class teachers. Student can directly send offline messages to the teachers. When the teacher is logged on, he will receive an alert of incoming messages. Then he can reply to the message.
- Online Study Material
- Old Examination Question Papers

iv) **Dynamic Website** [www.idolgu.in](http://www.idolgu.in) : IDOL has its own dynamic website where one can get all the information regarding IDOL, its programme, up-coming events, examination result etc.

v) **Computerised admission process with provision of online admissions:** The whole system of admissions and examinations are managed using professional software which gives instant online access to learners. Can be accessed through [www.idolgu.in](http://www.idolgu.in) .

vi) **Flexible Walk in Group Counselling (FWGC):** Regular group and individual counselling will be held in the GUIDOL (headquarter) complex as well as in the parent department during all working days. Learners may walk-in to the designated GUIDOL counselling room and meet their teachers to clarify their doubts.

vii) **Personal Contact Programme (PCP) :**In addition to the Study Materials, useful Personal Contact Programmes will be held at various affiliated study centres,



which will enable the students to clarify their confusions and ease their difficulty while going through it. Qualified faculty members of affiliated study centres will help out the attending students by providing necessary tips and guidelines during the interactive sessions. These sessions are also meant to give the students a chance to meet the teachers personally and discuss their problems.

viii) **Community FM Radio:** Gauhati University has its own Community radio station named as “Radio Luit 90.8 FM” and operates daily from 8AM to 8PM. The Community Radio station shall be extensively used to broadcast radio talks on various courses. The broadcast contents are designed as per the requirements by teaching staff of both the ODL Institute as well as the parent department. Experts are outsourced if the need arises.

#### 6. **Procedure for Admissions, Curriculum transaction and Evaluation-**

- **Admission-** The admission process shall start from August and end by the end of September every year. The learner can go for either offline or online admission process. The minimum eligibility for MA in English is graduate from any recognized Indian or Foreign university. The proposed fees for admission is Rs 7000.00(Seven Thousand only) per year. Financial Assistance is provided to the candidates belonging to SC/ST and OBC category in the form of scholarship. Few learners belonging to the economically deprived section as well as the physically challenged category are provided free ship on the recommendation of the Vice Chancellor.
- **Curriculum transaction-** The curriculum shall be transacted throughout the year as per the *Activity Planner* which is enclosed as an annexure.
- **Evaluation-** Each course/module shall carry 80% weightage for the term-end examinations and 20% for internal evaluation in the form of Home Assignments/internal examinations. In order to pass/clear a course/paper in a subject, a candidate must secure minimum 35% Marks in each course/paper. All examinations are conducted by the Controller of Examinations as per Rules and Regulations of the Gauhati University .

7. **Library Resource:** The University has a State of the Art Central Library with rich collections of materials which includes books, journals, magazines, CD and DVDs, and is accessible to the ODL learners as well. Moreover, the Institute has its own Library where various books, journals and magazines related to commerce education are available.

8. **Estimated cost of the Programme:** Total estimated cost of the programme is approximately Rs. 50 Lakhs which includes preparation and printing of SLMs, remuneration of the Resource persons, establishment cost and overheads. The estimate is evaluated considering the unit expenses of Rs.2.5 Lakhs per paper /1000 students for the entire duration of two years.

9. **Quality assurance Mechanism and Expected Programme outcome:**

- **Quality assurance Mechanism** :The institute has a *Centre for Internal Quality Assurance (CIQA)* constituted by the statutory body of the HEI. Members of the Cell are drawn from among the Deans of the different Faculty, Heads of the respective departments, Executive Council members, administrative staff and teaching staff of the institute. The Internal Quality Assurance Cell shall review the relevance and standard of the programme from time to time and make necessary changes in the syllabus and contents of the programme. The HEI shall continuously monitor the effectiveness of the programme through *CIQA* and other statutory bodies.
- **Expected Programme outcome:** The expected programme outcome is reflected in the Course Benchmark Statement, which is stated as below-

**Course Benchmark Statement:** Master's degree in the English shall be awarded to those learners who demonstrate:

- familiarity with the established canonical texts , classics as well as significant new works in English
- competency in the domain of literary criticism and analysis.
- mastery in English language for all communicative purposes including reading, writing, performing and speaking
- professional competency in the relevant field.

**MA Syllabus**  
**Department of English**  
**Gauhati University Institute of Distance and Open Learning, 2017**

The MA English programme at the Institute of Distance and Open Learning, Gauhati University seeks to acquaint learners with English literature and its varied and various contexts. This programme is designed so as to emphasize on literature produced in England, but the syllabus has also considered literature produced or available in English, *elsewhere*, given the fact that English today has spread across the globe in the aftermath of colonialization. Thus, while established canonical texts are part of this syllabus, there are other texts and concerns that have been included with a view to enable learners to gain a meaningful familiarity with the vibrant and dynamic streams of 'English Literature'. For instance, apart from literature known as 'Indian Writing in English', this syllabus accommodates texts from bigger domains such as 'World Literature' and also from the more localized and emerging trends such as 'Writings from the North East'. On the whole, the aim of this syllabus is to sensitize learners to the variety and diversity subsumed under 'English Literature' and to enable them to acquire a firm foundation in the practice of literary analysis. The syllabus, in other words, will help the learner to explore wide range of texts and issues while encouraging him/her to go beyond the limiting boundaries of the so-called 'literature' into various interdisciplinary domains.

The syllabus is organized in the following way:

1. the programme takes the learner through the study of five(5) courses/papers in each semester, and is comprised of twenty courses for four semesters in a two years' duration. Each paper carries an academic weightage of 80 marks, which means that a learner will have to appear in the examination, both internal and external, for a total 400 marks in a semester.
2. The learner will have to appear in an internal test during each semester for a total 80 marks. The internal test will be conducted before the semester-end examination in the form of Multiple Choice Question (MCQ) Test. 16 marks from each paper in a semester will be separated out for the MCQ test, implying that semester end examination will have 64 marks for each paper.
3. There will be optional papers in semester 4, and the learner will have to opt for either Option A (Writings from the North East) or Option B (Literature and Film) in Paper 20.

## **Paper 1: English Social and Cultural History-I**

### Block 1: Medieval

Unit 1: Feudalism

Unit 2: The Church and the Medieval World

Unit 3: The Growth of Towns and commerce

### Block 2: Early Modern

Unit 1: Humanism and the English Renaissance

Unit 2: The Print Revolution

Unit 3: The Beginnings of colonialism

### Block 3: The Enlightenment

Unit 1: Ideas of the Enlightenment

Unit 2: The Beginnings of Modern Democracy

Unit 3: Colonialism to Imperialism

## **Paper 2: 14<sup>th</sup> to the 17<sup>th</sup> Century Poetry**

Unit 1: Sir Gawain and the Green Knight (lines 232-466)

Unit 2: Chaucer's General Prologue to the Canterbury Tales

Unit 3: Shakespeare's Sonnets-12, 29, 55, 116, 147

Unit 4: John Donne: The Canonization, The Sunne Rising, The Good Morrow, At the Round Earth's Imagin'd Corners, Batter My Heart, Three-Personed God

Unit 5: Edmund Spenser: 'The Garden of Adonis' (From *The Faerie Queene*)

Unit 6: John Milton's Paradise Lost (Book 1 )

Unit 7: Andrew Marvell: 'To his Coy Mistress', 'The Garden', 'Upon Appleton House'.

## **Paper 3: 18<sup>th</sup> Century Poetry and Prose**

### Block 1

Unit 1: Dryden's Macflecnoc

Unit 2: Pope's 'An Essay on Man, Epistle II.'

Unit 3: Thomas Gray's 'Elegy Written in Country Churchyard'

### Block 2

Unit 1: Samuel Johnson: Life of Milton

Unit 2: Joseph Addison's 'True and False Wit'

Unit 3: Anne Ingram: 'An Epistle to Mr. Pope'

Unit 4: Edmund Burke: Introduction-Part II and IV (*From A Philosophical Enquiry into the Origin of our Ideas of the sublime and the Beautiful.*)

Unit 5: Anne Letitia Barbauld: 'The Rights of Women', 'To a Little Invisible Being', 'The Caterpillar.'

Unit 6: David Hume: 'Of the Standard of Taste'.

#### **Paper 4: 18<sup>th</sup> Century Fiction**

Block 1 Afra Behn: *Oroonoko*

Unit 1: Background

Unit 2: Introducing the Novel

Unit 3: Themes and Techniques

Block 2: Daniel Defoe: *Moll Flanders*

Unit 1: Background

Unit 2: Introducing the Novel

Unit 3: Themes and Techniques

Block 3: Jonathan Swift: *Gulliver's Travels*

Unit 1: Background

Unit 2: Introducing the Novel

Unit 3: Themes and Techniques

#### **Paper 5: 16<sup>th</sup> to 17<sup>th</sup> Century Drama**

Block 1: English Renaissance Drama-1

Unit 1: General Introduction to English Renaissance Drama

Unit 2: Thomas Kyd: *The Spanish Tragedy*

Unit 3: Ben Jonson: *Volpone*

Block 2: English Renaissance Drama-2 (Shakespeare)

Unit 1: General Introduction to Shakespeare

Unit 2: *Hamlet*

Unit 3: *Henry V*

Unit 4: *Measure for Measure*

## **Semester II**

### **Paper 6: English Social and Cultural History-II**

#### Block 1: Romantic and Victorian

Unit 1: The Industrial Revolution

Unit 2: The French revolution and After

Unit 3: The Romantic Sensibility

Unit 4: Darwinism

Unit 5: The Working Classes

Unit 6: Feminist Movements

#### Block II: Modern and Post-modern

Unit 1: The Modernist Movements in the Arts

Unit 2: Feminisms

Unit 3: The Rise of 'English

Unit 4: The Postcolonial Perspective and the New International Order

Unit 5: The Cultural Turn

Unit 6: Globalization and Migration

### **Paper 7: 19<sup>th</sup> Century Prose**

Unit 1: Dorothy Wordsworth's Selections from the Grasmere Journals-May 14, 1800,  
October 3, 1800, November 24, 1801, April 16, 1802.

Unit 2: Charles Lamb: 'Dream Children'

Unit 3: S.T. Coleridge Chapters IV, XIII, XIV (From *Biographia Literaria*)

Unit 4: Seeley: 'How We Govern India', 'Mutual Influences of England and India' (Lectures IV and V from *The Expansion of England* Course II)

Unit 5: John Keats' Letters to 1. Benjamin Bailey, 22 November, 1813, 2. to John Hamilton Reynold, 3 May, 1818, 3. To George and Tom Keats 21 December, 1817, 4. Richard Woodhouse, 27 October, 1818.

Unit 6: Matthew Arnold: 'The Function of Criticism at the Present Time'.

Unit 7: Charles Darwin: 'Natural Selection', (Chapter IV from *Origin of Species*)

### **Paper 8: 19<sup>th</sup> Century Fiction**

Block I: Jane Austen's *Persuasion*

Unit 1: Background

Unit 2: Introducing the Novel

Unit 3: Themes and Techniques

Block II: Emily Bronte *Wuthering Heights*

Unit 1: Background

Unit 2: Introducing the Novel

Unit 3: Themes and Techniques

Block III: Thomas Hardy: *The Mayor of Casterbridge*

Unit 1: Background

Unit 2: Introducing the Novel

Unit 3: Themes and Techniques

Block IV: Charles Dickens' *Hard Times*

Unit 1: Background

Unit 2: Introducing the Novel

Unit 3: Themes and Techniques

### **Paper 9: 19<sup>th</sup> century Poetry**

Block 1: Romantic Poetry

Unit 1: William Blake: 'The Echoing Green', 'The Little Black Boy' (*Songs of Innocence*), 'Holy Thursday', 'The Tyger', 'London' (*Songs of Experience*)

Unit 2: William Wordsworth: 'Composed Upon Westminster Bridge', 'Ode to the Intimations of Immortality'.

Unit 3: S.T. Coleridge: 'The Rime of the Ancient Mariner'

Unit 4: John Keats: 'Ode to a Nightingale', 'Ode to Autumn'.

Block 2: Victorian Poetry

Unit 1: Tennyson: 'Ulysses'

Unit 2: Christina Rossetti: 'Goblin Market'

Unit 3: Robert Browning: 'Fra Lippo Lippi', 'A Grammarian's Funeral'

Unit 4: Rudyard Kipling: 'The White Man's Burden'.

Unit 5: Thomas Hardy: 'The Darkling Thrush'

**Paper 10: 20<sup>th</sup> Century Poetry**

Block 1: Context

Unit 1: Poetry in the Modern World

Unit 2: Modernist Poetry: Theories and Movements

Block 2: Texts

Unit 1: W. B. Yeats: 'The Second Coming', 'Sailing to Byzantium'.

Unit 2: T. S. Eliot: *The Waste Land*

Unit 3: Marianne Moore: 'Poetry'

Unit 4: Ted Hughes: 'The Thought Box', 'Pike'.

Unit 5: Derek Walcott: 'A Far Cry from Africa'

Unit 6: Seamus Heaney: 'After a Killing'

Unit 7: A. K. Ramanujan: 'Small Scale Reflections on a Great House'

Unit 8: Joseph Brodsky: 'Elegy'

**SEMESTER 3**

**Paper 11: Drama-20th Century**

Block 1: Theory of Drama

Unit 1: Antonin Artaud: 'The Theatre of Cruelty'

Unit 2: Bertolt Brecht: 'Verfremdungseffekt', 'Epic Theatre'.

Block II: Plays

Unit 1: Henrik Ibsen: *The Wild Duck*



Unit 2: Luigi Pirandello: *Six Characters in Search of an Author*

Unit 3: Bertolt Brecht: *The good Person of Szechwan*

**Paper 12: Twentieth century Fiction**

Block 1: Joseph Conrad: *The Secret Agent*

Unit 1: Background

Unit 2: Introducing the novel

Unit 3: Themes and Techniques

Block 2: Franz Kafka: 'Metamorphosis'

Unit 1: Introduction to Franz kafka

Unit 2: Reading 'Metamorphosis'

Block 3: D.H. Lawrence: *Sons and Lovers*

Unit 1: Background

Unit 2: Introducing the Novel

Unit 3: Themes and Techniques

Block 4: Salman Rushdie's *Midnight's Children*

Unit 1: Background

Unit 2: Introducing the Novel

Unit 3: Themes and Techniques

**Paper 13: Literary Criticism and Theory-1**

Block 1: Classical Theory

Unit 1: Classical Theory and Criticism

Unit 2: Aristotle's *Poetics*

Unit 3: Horace's *Ars Poetica*

Unit 4: Longinus' *On The Sublime*

Block 2: English Criticism from the 17th to 18th century

Unit 1: Neoclassical Theory and Criticism

Unit 2: Alexander Pope: 'Essay on Criticism'

Unit 3: Samuel Johnson's Preface to the Plays of William Shakespeare

**Paper 14: Literary Criticism and Theory-2**

Block 1: Romantic Critics

Unit 1: Romantic Theory and Criticism

Unit 2: William Wordsworth's Preface to the Second Edition of Lyrical Ballads

Unit 3: William Hazlitt: On Reason and Imagination

Unit 4: S.T.Coleridge: Biographia Literaria (Chapter 13 and 14)

Block 2: Victorian Critics

Unit 1: Victorian Theory and Criticism

Unit 2: Matthew Arnold: The Study of Poetry

Unit 3: Walter Pater: Preface to *The Renaissance: Studies in Art and Poetry*

Unit 4: Oscar Wilde: The Critic as Artist

**Paper 15: Literary Criticism and Theory-3**

Block 1: Critical Trends

Unit 1: New Criticism

Unit 2: Russian Formalism

Unit 3: Structuralism

Unit 4: Poststructuralism

Unit 5: Psychoanalysis

Block 2: Critical texts

Unit 1: Cleanth brooks: The Heresy of Paraphrase

Unit 2: T.S.Eliot: Tradition and Individual Talent

Unit 3: Victor Shklovsky: Art as Technique

Unit 4: Ferdinand de Saussure: The Nature of the Linguistic Sign

Unit 5: Helene Cixous: The Laugh of the Medusa

## **SEMESTER 4**

### **Paper 16: Indian Writing in English-1**

#### Block 1 History of Indian English Literature

Unit 1: Pre-Independence Period

Unit 2: Post-independence Period

#### Block 2: Ideas

Unit 1: Rammohan Roy(1774-1833): ‘Letter to Lord Amherst’

Unit 2: Bankimchandra Chattopadhyay: ‘Prachina o Nobina’(Pamphlet on Women)

Unit 3: Aurobindo Ghosh: ‘A System of National Education’

Unit 4: Mahatma Gandhi: ‘Speech at the Round Table Conference’(11/11/1931)

#### Block 3: Drama

Unit 1: Abhishek Mazumdar: *The Djinnns of Idgah*

Unit 2: Mahesh Dattani: *Dance Like a Man*

### **Paper 17: Indian Writing in English-2**

#### Block 1: Ideas

Unit 1: Gauri Viswanathan: ‘Lessons of History’

Unit 2: Robert Young: *India II: Gandhi’s Counter Modernity*

Unit 3: Ashish Nandy: *The Psychology of Colonialism*

#### Block 2: Raja Rao: *Kanthapura*

Unit 1: Introducing the Author

Unit 2: Reading *Kanthapura*

#### Block 3: Githa Hariharan: *The Thousand Faces of the Night*

Unit 1: Introducing the author

Unit 2: Reading *The Thousand Faces of the Night*

#### Block 4:

Unit 1: Keki Daruwalla: ‘Wolf’, ‘Hawk’

Unit 2: Kamala Das: ‘A Hot Noon in Malabar’, ‘My Grandmother’s House’.

Unit 3: Nissim Ezekiel: ‘A Poem of Dedication’

**Paper 18: World Literature in translation**

Block 1: Poetry

Unit 1: Neruda: *The Heights of Macchu Picchu*

Unit 2: Charles Baudelaire: 'Correspondences', 'Albatros'.

Unit 3: Sankardeva: *Kirtana* ('Harmohana' and 'Odesa Varnana')

Unit 4: Faiz Ahmed Faiz : 'The Dawn of Freedom, August 1947'

Block 2: Drama

Unit 1: Lorca: *Blood Wedding*

Unit 3: Daramvir Bharati: *Andha Yug*

Block 3: FictionA: Orhan Pamuk's *My Name is Red*

Unit 1: Introducing the Author

Unit 2: Reading the Text

Block 4: FictionB: Rabindranath Tagore's *Home and the World*

Unit 1: Introducing the Author

Unit 2: Reading the Text

**Paper 19: Children's Literature**

Block 1: Theoretical Positions:

Unit 1: Vladimir Propp (1895-1975): 'Structural and Historical Study of Wondertale'.

Unit 2: Karin Lesnik-Oberstein: 'Defining children's Literature and Childhood'

Block 2: Folktales and Children's Fiction

Unit 1: Vishnu Sarma: 'Loss of Gains' (in Panchatantra)

Unit 2: Lewis Carroll: *Alice in Wonderland*

Unit 3: Lakshminath Bezbaruah: Tejjimala (From Budhi Aair Xadhu)

Unit 4: J.K. Rowling: *Harry Potter and the Philosopher's Stone*

Block 3: Poetry and Drama

Unit 1: Christina Rossetti: Sing Song

Unit 2: J. M. Barrie (1860-1937): *Peter Pan*

## **Paper 20 (Option A) Writing from the North East**

### Block 1:

Unit 1: Dr. Hiren Gohain: The Origin of the Assamese middle class

Unit 2: Ranjit Dev Goswami: 'Modern Assamese Thought'.

Unit 3: Patricia Mukhim: 'Where is This North East?'

### Block 2

Unit 1: Chandra Kanta Murasingh: 'Slumber'

Unit 2: Nilamoni Phookan: 'Iyar Porai Pani'

Unit 3: Mona Zote: 'What Poetry Means to Ernestina in Peril'

Unit 4: Anjum Hasan: 'A Place like Water'

### Block 3:

Unit 1: Saurabh Kumar Chaliha: 'Bina Kutir'

Unit 2: Mamang Dai: *The Legends of Pensam*

### Block 4:

Unit 1: Arun Sarma: *Nibaran Bhattacharyya*

Unit 2: Ratan Thiyam: *Chakravyuh*

## **Paper 20 (Option B) Literature and Film**

### Block 1: Cinematic Adaptation: History and Concepts

Unit 1: History of Adaptation

Unit 2: Introduction to cinematic terms (Adaptation, Auteur, codes and conventions, cut, deep focus, digesis, fade, Film noir, Flashback, French New Wave, Jump Cut, Mise-en-scene, montage, scopophilia, Screenplay, soundtrack, wipe, zoom etc.)

### Block 2: Film theory/Theory of Adaptation

Unit 1: Sergei Eisenstein: 'Word and Image'

Unit 2: Dudley Andrew: "Adaptation" (From *Concepts in Film Theory*)

Unit 3: Seymour Chatman: What Novels can Do that Films Can't (and Vice Versa)

Unit 4: George Bluestone: "The Limits of the Novel and the Limits of the Film" (From *Novels into Film*)

Unit 5: Laura Mulvey: 'Visual Pleasure and Narrative Cinema'

Block 3: Cinematic adaptation

Unit 1: *Pather Panchali* : Bibhutibhushan Bandopadhyay ↔ Satyajit Ray

Unit 2: *A Streetcar Named Desire*: Tennessee Williams ↔ Elia Kazan

Unit 3: *Haladhiya Charaye Bao Dhan Khai* : Homen Borgohain ↔ Jahnu Barua

Unit 4: *The Trial* : Franz Kafka ↔ Orson Welles

\*\*\*\*\*

**ACADEMIC CALENDAR**  
**Gauhati University Institute of Distance and Open Learning**  
**Guwahati- 781014, Assam**

<b>ADMISSION</b>			
<b>SEMESTER (TRADITIONAL PROGRAMME)</b>			
A	1	Fresh	July-September
	2	Continuation	July-September
<b>SEMESTER (IT PROGRAMMES)</b>			
B	1	Fresh	July-September
	2	Continuation	Odd Semester (July-September)
			Even Semester (January-February)
<b>ADMISSION TEST FOR M.Sc. IT PROGRAMME</b>			
C	August		
<b>ANNUAL PROGRAMMES</b>			
D	1	Fresh	July-September
	2	Continuation	July- September
<b>DISTRIBUTION OF SLM</b>			
<b>SEMESTER/ANNUAL (TRADITIONAL PROGRAMMES)</b>			
A	1	Fresh	July-October
	2	Continuation	July-October
<b>SEMESTER (IT PROGRAMMES)</b>			
B	1	Odd Semester	July-October
	2	Even Semester	Jan-March
<b>CONTACT CLASSES</b>			
<b>SEMESTER (TRADITIONAL PROGRAMMES)</b>			
A	1	Odd Semester	September-December
	2	Even Semester	March-June
<b>SEMESTER (IT PROGRAMMES)</b>			
B	1	Odd Semester	September-December
	2	Even Semester	March-June
<b>ANNUAL PROGRAMME</b>			
C	1	Previous	December-May
	2	Final	December-May
<b>EXAMINATION : TERM END</b>			
<b>SEMESTER (TRADITIONAL/IT)</b>			
A	1	Previous	July-August (All Sundays)
	2	Final	July-August (All Sundays)
<b>ANNUAL</b>			
August-September (All Sundays)			
B	<i>Schedule may change as per directive of the controller of Examination, GU/Govt. of Assam</i>		

<b>EXAMINATION: Sessional (OMR based Internal Examination)</b>			
A	<b>SEMESTER (TRADITIOAN/IT)</b>		
	1	Odd Semester	November
	2	Even Semester	May
<b>ANNUAL</b>			
January			
<b>DECLARATION OF RESULT (Term End)</b>			
<b>SEMESTER (TRADITIONAL/IT)</b>			
A	1	Odd Semester	May-June
	2	Even Semester	November-December
B	<b>ANNUAL</b>		
	Januray		



**ENCLOSURE-III**  
**SLM covering syllabus**

<b>SEMESTER I</b>	
PAPER 1	Literature and Social History-I
PAPER 2	PoetryI-Chaucer to Neoclassical Poets
PAPER 3	Fiction I-The Novel in the 18 <sup>th</sup> and the 19 <sup>th</sup> Centuries
PAPER 4	Non-fiction-Letter, Essay, Biography and Autobiography
PAPER 5	TheoryI-Classical and Neoclassical Critical Theories
<b>SEMESTER II</b>	
PAPER 6	Literature and Social History-II
PAPER 7	Theory II-Romantic and Victorian Theory and Criticism
PAPER 8	Poetry II-Romantic Poetry
PAPER 9	Fiction II-19 <sup>th</sup> to the 20 <sup>th</sup> Century
PAPER 10	Drama I-Renaissance Drama
<b>Semester III</b>	
PAPER 11	Fiction III—The Twentieth Century
PAPER 12	Drama II—Modern Drama
PAPER 13	Theory III-Twentieth Century Criticism
PAPER 14	Poetry III—Victorian Poetry
PAPER 15	Poetry IV—Modern Poetry
<b>Semester IV</b>	
PAPER 16	Contemporary Indian Writing in English--I
PAPER 17	Contemporary Indian Writing in English--II
PAPER 18	Contemporary Indian Writing in English--III
PAPER 19	European I—Modern Dramatic Works
PAPER 20	European II—Modern European Fiction

**GAUHATI UNIVERSITY  
INSTITUTE OF DISTANCE AND OPEN LEARNING**

**Programme Project Report**

**PPR ID : GU/GUIDOL/PPR/04 (Total no. pages : 36 )**

**Programme: Masters of Arts (M.A.) in History**

**1. Programme mission and objective:**

The mission of the Programme to be launched is "to produce scholarship that pushes the boundaries of historical inquiry as well as to cater the demand of higher education by providing opportunity to the deprived."

***Objectives of the Programme:***

- To provide the learners necessary teaching skills that make them competitive for academic and non-academic positions across the nations
- To transmit the knowledge of past historical events to the new generations
- To introduce the learners to the diversity of the people throughout the world.
- To transform the academically ambitious learners into lifelong independent, responsible, morally committed professionals and thoughtful citizens
- To enable the learners to understand the world civilizations and peoples and their political, social, economical and cultural history
- To foster a spirit of historical empathy and wisdom that promotes tolerance, understanding and appreciation for the views of others.

**2. Relevance of the programme with HEI's mission and goals:**

Gauhati University was established in 1948 with a mission to revitalize educational leadership, to set the standard for the production and dissemination of knowledge as well as to become an effective instrument of change in the society. With this aim in view, the Department of History was established in the 1948. The Department aims at academic excellence and promotes higher education and research as a way forward in understanding the past in relation to the present. The programme offered, aims to augment understanding of the current social realities entrenched in historical roots. The



main thrust is on historiography, regional, marginalized voices including gender and environmental studies. The Department has a close association with the Indian Council of Historical Research (ICHR) which is also established within the premises of the University.

With the aim of imparting higher education to the large number of graduates who are deprived of the opportunity to seek higher education leading to post graduate degree and be exposed to modern approach to the study of history, this programme was introduced in the ODL mode under the auspices of the Gauhati University Institute of Distance and Open Learning (GUIDOL), established in the year 1998. The aim and objective was to offer opportunity for a higher degree to the under privileged as well as those who would otherwise have been deprived of pursuing higher studies. The mission and goal of the distance mode of education in the University blends well and is in alignment with the aims and objective of the parent department in the regular mode. History being a popular subject for civil service aspirants, the curriculum is designed to suit their needs too.

**3. Nature and target group of learners:** Our target group includes-

- 1) those deprived of admission in the parent department of regular mode due to limited intake capacity.
- 2) those employed in various organizations who desire to pursue higher education as a passion or as a means for movement up the promotional ladder.
- 3) drop outs primarily due to social, financial and economic compulsions as well as demographic factors.
- 4) job seekers.

Gauhati University also has a provision in the ODL mode for lateral entry for those who had to discontinue the regular programme after successful completion of the first two semesters due to unavoidable reasons. Acceptability of the lateral entry provision is an indicator of parity of the courses in regular and distance mode. The curriculum is designed to enable learners to fulfill their aims and objectives in a manner they deem fit and proper. The curriculum is designed by a committee comprising of experts from the department of the HEI, external experts and teachers of IDOL, keeping in view the needs of the diverse class of learners.

4. **Appropriateness of the programme to be conducted in the ODL mode for acquiring specific skills and competence-** The M.A. programme in History to be offered through ODL Mode will have certain learning outcomes. This programme will help the learners :

- to have a better understanding of the contemporary world and make connections to the future
- to develop critical thinking and analysis of the contemporary society
- to enhance and develop knowledge and understanding of the theoretical and practical foundations of History as a subject.
- to accumulate the skills necessary to apply in appropriate job setting

5. **Instructional Design:**

a) **Curriculum Design:** The curriculum is designed by a committee comprising experts from the parent department of the HEI, IDOL, keeping in view the needs of the diverse group of learners.

b) **Detailed Syllabus:** File containing detailed syllabus is attached.

c) **Duration of the Program:** Minimum 2 (two) years. However, the learners are required to complete the programme within 4 (four) years from the date of admission.

d) **Instructional Delivery Mechanism:** The programme will be delivered in four(4) semesters having five(5) course/paper in each semesters. The learners will be provided with the printed SLM which covers almost all the contents in the syllabus. Counseling classes will be held in headquarter and various affiliated study centres. Telephonic Counseling and providing online learning resource will also be a part of instructional Delivery mechanism. The progress of the learners will be evaluated by Internal Assessment and Term end/semester end examinations.

e) **Faculty:**

1. Prof. Paramita Das, Head, Department of History, Co-ordinator of the ODL programme in History
2. Assistant Professor/Academic counsellor in History has been advertised and will be recruited soon.
3. Resource persons drawn from amongst teachers of affiliated colleges, researchers and faculty staff of the Department of HEI.

- f) **Media:** Print Media, ICT enabled tools and e-Learning Portal
- g) **Student Support Service:** In order to successfully execute the programme, a wide range of support services are provided to the ODL learners. The various support services are listed as below-
- i) **Network of Study Centres:** To assist its learner IDOL has established 96 study centres (List Enclosed) throughout the State of Assam but within the territorial jurisdiction of Gauhati University.
  - ii) **State of the art Library** with around 7000 collections of materials which includes books, journals, magazines, CD and DVDs.
  - iii) **E- Learning Portal:** [www.bodhidroom.guidol.in](http://www.bodhidroom.guidol.in) the first of its kind in the entire North East region of India which provides the following services to the students:
    - Online enrolment of students
    - Independent Discussion Forum for every course
    - Independent News Forum for every course
    - Online interaction facility with faculty members
    - Online interaction between the students making the scope of collaborative learning
    - Interaction through chatting of all users of all courses who are online.
    - Separate Chat Room for individual course
    - **Message My Teacher:** When a student logs in to Bodhidroom, after enrolling himself/herself to a course, he/she will see the names of the virtual class teachers. Student can directly send offline messages to the teachers. When the teacher is logged on, he/she will receive an alert of incoming messages. Then he/she can reply to the message.
    - Online Study Material
    - Old Examination Question Papers
  - iv) **Dynamic Website** [www.idolgu.in](http://www.idolgu.in) : Gauhati University has a dedicated dynamic website for ODL learners where one can get all the information regarding its programmes, up-coming events, examination results etc.
  - v) **Computerised admission process with provision of online admissions:** The whole system of admissions and examinations are managed using professional

software which gives instant online access to learners. It can be accessed through [www.idolgu.in](http://www.idolgu.in) .

vi) **Flexible Walk in Group Counselling (FWGC)**: Regular group and individual counselling will be held in the IDOL (headquarter) complex as well as in the parent department during all working days. Learners may walk-in to the designated IDOL counselling room and meet their teachers to clarify their doubts.

vii) **Personal Contact Programme (PCP)** :In addition to the Study Materials, useful Personal Contact Programmes will be held at various affiliated study centres, which will enable the students to clarify their confusions and ease their difficulty while going through it. Qualified faculty members of affiliated study centres will help out the attending students by providing necessary tips and guidelines during the interactive sessions. These sessions are also meant to give the students a chance to meet the teachers personally and discuss their problems.

viii) **Community FM Radio**: Gauhati University has its own Community radio station named as “Radio Luit 90.8 FM” and operates daily from 8AM to 8PM. The Community Radio station shall be extensively used to broadcast radio talks on various courses daily. The broadcast contents are designed as per the requirements by teaching staff of both the ODL Institute as well as the parent department. Experts are outsourced if the need arises.

## 6. **Procedure for Admissions, Curriculum transaction and Evaluation-**

\***Admission-** The admission process starts from August and ends by the end of September every year. The learner can go for either offline or online admission process. The minimum eligibility for this programme is graduate from any recognized Indian or Foreign university. The proposed fees for admission is Rs 7000.00(Seven Thousand only) per year. Financial Assistance is/shall be provided to the candidates belonging to SC/ST and OBC categories in the form of scholarship. A few learners belonging to the economically deprived section as well as the physically challenged category shall be/ are provided free ship on the recommendation of the Hon'ble Vice-Chancellor.

### \***Curriculum transaction- Activity Planner:**

\***Evaluation-** Each course/paper shall carry 80% weightage for the term-end examinations and 20% for internal evaluation in the form of Home Assignments/internal examinations. In order to pass/clear a course/paper, a candidate must secure minimum

35% marks in each course/paper. All examinations are conducted by the Controller of Examinations as per rules and regulations of Gauhati University.

7. **Library Resource:** The University has a State of the Art Central Library with rich collections of materials which includes books, journals, magazines, CD and DVDs, and is accessible to the ODL learners as well. Moreover, the Institute has its own Library where various books, journals and magazines are available.

Gauhati University being a member of UGC-Infonet Digital Library Consortium (<http://www.inflibnet.ac.in/econ/index.php>) which provides current as well as archival access to more than 5000 core and peer-reviewed journals and nine bibliographic databases from 23 publishers and aggregators in different disciplines. The ODL learners can access the e-resources of UGC-Infonet Digital Library Consortium from the Gauhati University campus.

8. **Estimated cost of the Programme:** Total estimated cost of the programme is approximately Rs. 50 Lakhs which includes preparation and printing of SLMs, remuneration of the Resource persons, establishment cost and overheads. The estimate is evaluated considering the unit expenses of Rs.2.5 Lakhs per paper /1000 students for the entire duration of two years.

9. **Quality assurance Mechanism and Expected Programme outcome:** The institute has a *Centre for Internal Quality Assurance (CIQA)* constituted by the statutory body of the HEI. Members of the Cell are drawn from among the Deans of the different Faculty, Heads of the respective departments, Executive Council members, administrative staff and teaching staff of the institute. The Internal Quality Assurance Cell shall review the relevance and standard of the programme from time to time and make necessary changes in the syllabus and contents of the programme. The HEI shall continuously monitor the effectiveness of the program through *CIQA* and other statutory bodies.

**Course Benchmark Statement:** Please refer to para 4 above. Further, learners will be equipped for professional competence and employability.

**GAUHATI UNIVERSITY**  
**Institute of Distance and Open Learning**  
**M.A. History Syllabus**

1. Each Course will be of 100 Marks. (80 Marks External Examination and 20 marks Home Assessment)
2. There will be four course in course of the 4 semesters (100 \*16 =1600)
3. General History will be Course – 416.

**M.A. PROGRAMME IN HISTORY**

The M.A programme in History consists of 4 semesters of 400 marks each (1600 marks). Each semester has 4 courses. Group options (Ancient, I and Modern) are indicated by A, and C respectively. A candidate must opt for the same group in all the optional courses. The distribution of the courses is as follows:

**COURSE**

**FIRST SEMESTER**

- 101 Historical Methods
- 102 History of Assam (circa 5th to 1228 A.D)
- 103 History of USA (1783-1919)
- 104 Indian National Movement:

**SECOND SEMESTER**

- 205 History of China (1839-1949)
- 206 History of Assam (1228-1826)



- 207 A. State Formation in Ancient India  
C. British Rule in India (1757-1857)
- 208 A. Agriculture, Trade and Urbanization in Early India  
C. Economic History of Modern India (1757-1947)

### THIRD SEMESTER

- 309 History of Assam (1826-1947)
- 310 History of Modern Japan (1852-1941)
- 311 A. Aspects of Indian Art and Architecture.  
C. Peasants' and Workers' Resistance in Modern India
- 312 International Relations (1871-1939)

### FOURTH SEMESTER

- 413 International Relations since 1939
- 414 A. Social History of Ancient India from the Earliest time to 1206  
C. Social History of Modern India
- 415 India's Foreign Relations since 1947
- 416 Gender History

### Guidelines of Syllabus of Semester Course in history

1. The Post-Graduate course in History will be of four semesters consisting of total 128 credits covering two calendar years.
2. There will be a total of 16 courses in the four semesters, each course having 100 marks (Total marks: 1600)
3. There will be 8 credits per course of 100 marks.
4. Each course of 100 marks (8 credits) will have 20 marks earmarked for internal assessment and the remaining 80 marks for external examination.

## DETAILS OF COURSES

### FIRST SEMESTER

#### COURSE – 101

#### HISTORICAL METHODS

Marks 100 (80+20)

Credit-8

#### Objective:

The course designed to acquaint student with the dominant methodological concerns and basic concepts that have shaped the modern discipline of history.

#### UNIT-I : Introduction to History and Historical Methods

#### UNIT-II : Nineteenth century Schools

A. Positive History

B. Whig History

#### UNIT-III : Dominant Trends in the Twentieth Century

##### A. Marxist History

(i) History Material and Determinism

(ii) Marxist Structuralism }

(iii) History from Below } Debates within Marxist history

##### B. The Annals School:

(i) Total History: Marc Bloch, Lucien Febvre and the Early Years.

(ii) Time and History: Fernand Braudel and Developments in the Second Phase.

(iii) History of Mentalities: Third Generation Annales Historians

**UNIT-IV : Recent Trends, Foucault, Derrida**

**UNIT-V : Research Methodology in History**

A. Types of Sources and Their Use – Primary and Secondary Evidence.

B. Techniques of Research Work – Organization and Presentation; Bibliography and Footnoting

**Reading List**

E.H.Carr : What is history

R.G.Collingwood : The Idea of History

H.Butterfield : The Which Interpretation of history

J.B.Bury : The Idea of Progress.

F.Stern ed : The Varieties of History

Essay by Pierre Vilar on Marxist history in Jacques le Goff and Pierre Nora eds.,

Construction the past: Essays in Historical Methodology.

E.J.Hobsbawm, “Karl Marx’s Contribution to historiography in Ideology and Social Science

Harvey Kay, The British Marxist Historians

E.P.Thompsons Poverty of Theory, The Poverty of Theory: or and Orrery of Errrs”, in historians, Skinner ed, the return of Grand Theory in the Human Sciences

Bloch, Mare, The Historians Craft

Maurice Aymard and Harbans Mukhia, eds. French Studies in History

Marwick, A. The Natural of History

**JOURNAL**

Journal of Modern History, 1972 Special Number of Annales.

**COURSE 102**

**HISTORY OF ASSAM (circa 5th to 1228 A.D)**

**Marks 100 (80+20)**

**Credit-8**

**Objectives:**

The objective of this paper is to give a broad idea broad idea about the existing political, social, cultural and religious institutions of Assam in the period

**UNIT I : Historiography of Ancient Assam**

**UNIT II : The sources – A survey of the existing sources:**

- Literature
- Inscriptions
- Coins
- Material remains

**UNIT III : State formation in ancient Assam:**

- Emergence of the kingdom of Pragytisa-Kamarupa
- Growth of a political centre in the Dhansiri-Doyang Valley and Kapili-Jamuna Valley.

**UNIT IV : The Brahamaputra Valley**

- Changes in the political and economic structure
- Socio-cultural changes –  
Emergence of varna – jati system  
Development of vaisnavism, Saivism, Sakti cult and other religious sects.

**References :**

- N.D.Choudhury : Historical Archaeology of Central Assam  
R.D.Choudhury : Archaeology of the Brahmaputra valley of Assam  
V.Shastri (trans) : The Kalika Purana  
P.Das : “The Naraka Legend and Aryanisation of the Brahamaputra Vally” in the Proceedings of the Indian history Congress, Volume 66.  
H.N. Dutta : “ Sri Vasundhara Varman and the Political History of Ancient Assam During c. 400 A.D”  
: “A Report on Archaeological Excavation Conducted in the State of Assam during the year 1997-1998 in the Journal of the Assam Research Society Vol XXXIV Nos. 1&2, 1995 (Bharat Ratna Lokapriya Gopinath Bordoloi Commemoration Volume.  
K.L. Barua : Early History of Kamarupa  
: Studies in the History of Assam  
H.K. Barpujari (ed) : Comprehensive History of Assam, Volume I  
P.C. Choudhury : The History of Civilization of the people of Assam to the 12th century A.D.  
R.G. Basak : History of North-Eastern India  
D.Sharma (ed) : Kamarupasanavali  
P.N. Bhattacharyya : Kamarupasanavali  
M.M. Sharma : Inscriptions of ancirnt Assam

- N.Lahiri : Pre-Ahom Assam  
N.N. Vasu : Social History of Kamarupa Volume I-III  
B.K. Barua : A Cultural History of Assam Volume I  
B.K. Kakati : The Mother Goddess kamakhya  
M.C. Chakladhar : Aryan Occupation of Eastern India  
S.K. Chatterji : The Place of Assam in the History and Civilization of India  
S.Beal (trans) : The si-yu-ki of Hiuen Tsang The Life of Hiuen Tsang  
T Watters (trans) : On the Travels of Yuan Chwang  
F.W. Thomas (trans) : Bana’s Harasacharita  
M. Goswami (trans) : Harsacharita

**COURSE- 103****HISTORY OF USA (1783-1919)****Marks – 100(80+20)****Credit-8****Objective :**

This is essentially a survey course of the History of USA from 1783 to 1991. The idea is to get the students acquainted with the main trends of US History.

**UNIT-I : Formative Period**

- (i) Making of the America Constitution
- (ii) George Washington’s internal administration
- (iii) Early Trends in American Democracy-Thomas

Jefferson and Andrew Jackson

**UNIT-II : Trends in American Foreign Policy**

- (i) Foreign Policy of George Washington
- (ii) War of 1812
- (iii) Monroe Doctrine
- (iv) West ward expansion ( Louisiana Purchase, Mexican War, Leading to the Civil War)

**UNIT-III : Sectional Conflict**

- (i) Missouri Compromise
- (ii) Abolitionist Movement,
- (iii) Compromise of 1850
- (iv) Dred Scot decision
- (v) Emergence of Southern Confederacy and causes of its defeat

**UNIT-IV : Post-Civil War developments:**

- (i) Industrialization and emergence of Big Business
- (ii) Labour Movement
- (iii) Women's Movement
- (iv) Farmers Movement

**UNIT-V : The Progressive Period**

- (i) Administration of Theodore Roosevelt
  - (a) Conservation of national Resources
  - (b) Trust Busting
  - (c) Roosevelt Corollary to Monroe Doctrine
- (ii) Wilson : America's into the First World War.

**Reading List**

- Parkes H. B. : A History of the United State of America.  
Morisions, SE and : Growth of the American Republic, 2 Vols  
Commager, RS  
Faulkner, HU : American, Social and Political History  
Bailey, Thomass A : The American Pageant  
Nixon, HC : The US from Colony to World Power  
Sellers, May and Mcmillan: A Synopsis of American History

**Course – 104**

**Indian National Movement**

**Marks 100 (80+20)**

**Credit 8**

**Objective :**

The objective of the course is to study the genesis of the National Movements and to analyze the various forces at work during the movement that led to Indian independence and partition.

**UNIT-I : (i) Historiography of the National Movement :**

- (ii) **Genesis of the National Movement** : Imperialism and Colonialism; impact of Colonialism; economic nationalism.

**UNIT-II : Emergence of organized nationalism :**

Growth of political awareness; early polical organizations; formation of India National Congress; Moderates and Extremists

**UNIT-III : Partition of Bengal and Swadeshi Movement**

**UNIT-IV : Revolutionary trends**

Outbreak of World War-I-Ghadar party; revolutionary terrorism; Home Rule Movement

**UNIT- V : Nationalism : Inter- War year.**

M,K.Gandhi-emergence in national political and his Ideology-Non Cooperation and Khilafat Movement; The Swartajits; Programme of constructive work; Emergence of communalism and its difference phases; Civil Disobedience Movement and its regional variations; Provincial Autonomy operation.

**UNIT-VI : Towards independence :**

Indian Nationalism during World War II; Quit India Movement; Subhas Bose and I.N.A.; Partition and Transfer of Power.

**UNIT VII : World War I and Indian Politics**

- (i) Home Rule Agitation
- (ii) Unity at Lucknow
- (iii) Emergence of Gandhi in national politics

**Reading List**

R.C.Majumdar (ed), Struggle for Freedom  
R.C.Majumdar, History of the Freedom Movement in India, relevant volumes.  
Tra Chand, History of the Freedom Movement in India, Vols 1-IV  
Sumit Sarkar, Modern India, 1885-1947, New Delhi, 1983

Sumit Sarkar, Swadeshi Movement in Bengal 1903-1908, New Delhi, 1973

Bipan Chandra, India's Struggle for Independence, New Delhi, 1989

Bipan Chandra, Essays on Colonialism, New Delhi, 1999

Sekhar Bandyopadhyay, From Plassey to Partition : A History of Modern India Judith Brown, Gandhi Rise to power, Indian Political 1915-1972.

R.P. Dutta, India Today, Calcutta, 1979.

Ranjit Guha, (ed) Selected Subalter Studies

F. Hutchins, Illusion of permanence of British Imperialism in India, 1967

Dadabhai Naoroji, Poverty and Un-British rule in India, London 1901, Delhi 1988

Anil Seal, Locality, Province and Nation.

Anil Seal. The Emergence of India nationalism

**SECOND SEMESTER**

**COURSE – 205**

**HISTORY OF CHINA ( 1839 – 1949)**

**Marks 100 (80+20)**

**Credit – 8**

**Objective :**

This paper will deal with the period from the opening of China to the West up to the establishment of the People republic of China. The objective is to study the development relating to the relation of China to western imperialism and the growth and development of communism in China.

**UNIT-I : Opening up of China :**

- (i) Opium Wars; treaties with imperialist power; and struggle for concessions in China.
- (ii) Increasing Western economic interests.
- (iii) Open Door policy

**UNIT-II : Popular and Reform Movements:**

Taiping; Self-strengthening; and reforms in the Chinese state, 1860 to 1898

**UNIT- III : Emergence of Nationalism in China:**

- (i) Boxer rebellion and its consequences.
- (ii) Reforms of 1901-08
- (iii) Revolution of 1911 – role of social classes; Sun-Sen-principles and politics; emergence of the republic and Yuan Shi-kai; Warlordism- 1916-1928.
- (iv) New intellectual ideas and May Fourth Movement – its nature and significance.

**UNIT -IV : Nationalism and Communism in China;**

- (i) Political crisis in the 1920's
- (ii) Nature of industrialization and changing social structure.
- (iii) KMT and the First United Front.
- (iv) Communist movement: 1928 to 1949; rise of Mao Tse-tung; making of the Red Army; the Second United Front; Civil War; Chinese revolution- ideology, causes and significance.

**Reading List :**

Chow Tse-tung, The May Fourth movement : Intellectual Revolution in modern China  
Franz Michael, The Taiping Rebellion.  
F. Schurmann and O. Schee (ed), China Readings, Voll. Imperial China  
H.M. Vinack: A History of the Far East in Modern Times  
I.Hsu: The Rise of Modern China.  
J.Fairbank et.al. China from the Opium Wars to the 1911 Revolution  
Jerome Chen: Yuan Shi-Kai(1859-1916)  
Li Chien-nung: The Political History of China (1840-1928) (Trs)  
Teng Ssu-yu and Jeremy Ingals.  
P.H Clyde and B. F. Beers: The Far East.  
V. Purcell: Boxer Uprising: A Background study.

**COURSE – 206**

**HISTORY OF ASSAM (1228-1826)**

**MARKS -100 (80+20)**

**Credit 8**

**Objective:**

The course intends to impart on in depth study of the political developments in the Brahmaputra Valley. The focus of the study will be on the rise and fall of the Ahom rule, Relation between various tribal and non-tribal power and the various forces and factors which were responsible for the growth of Assamese culture

- UNIT- I** : Sources Literature: indigenous, foreign; Archaeology: inscriptions; coins, Material remains.
- UNIT- II** : Foundation, expansion and consolidation of Ahom rule, relation with the Kacharis, Kamatas, Chutiyas, Koches and Bengal Sultans
- UNIT-III** : The emergence of the Koch Kingdome; relation with the Mughals; administrative system of the Koches
- UNIT- IV** : The Mughal Invasions and Ahom resistance, invasion of Mir Jumla, Battle of Saraight, Battle of Itakhuli. The realitions between Ahoms and the Jayantiyas.
- UNIT- V** : Zenith of the Ahom rule. Political, social, economic and cultural developments in the Brahmabutra Valley; Vaisnavite movements.
- UNIT- VI** : Decline and fall of the Ahoms power: Moamaria rebellion, Burmese invasion, revolts in Lower Assam. The Ahoms and Hill tribes-Naga, dafla, Bhutia. The Ahom system of administration

### Reading List

- S.K. Bhuyan : Anglo-Assamese Relations  
: Atan Bhuragohain And his times  
: Lachit Barphukan and His Times
- P.Gogoi : The Tai and the Tai Kingdoms
- M. Neog : Prachya Sasanavali
- E.A Gait : A History of Assam

- H.K. Barpujari (ed) : Comprehensive History of Assam vol. II & V
- A.Khan Choudhury : Koch Beharer Itihas
- L. Devi : Ahom- Tribal Relations
- J.P. Wade : An Account of Assam, B. Sharma (ed)
- J.N Sarkar : Life of Mir Jumla
- N.N Vasu : Social History of Kamrupa  
(Relevant- chapters)
- S.K. Bhuyan (ed) : Assam buranji  
: Deodhai Assam Buranji  
: Satsari Assam buranji  
: Tungkhungia Buranji  
: Tripura Buranji  
: Kamrupa Buranji
- S.K. Dutta : Assam Buranji
- M.I. Bora : Baharistan- i-ghaybi Vol.2
- G.C. barua (ed) : Ahom- Buranji
- Shilhabuddin tallis : Fathiya-i-Ibriya (tr.By J.N. sarkar) in Journal of Bihar and Orissa Research Society, 1915. (tr. By Blochman) in Journal of Asiatic Society, 1972 part I
- A.C Banerjee : Eastern frontier of British India
- M. Neog : Neo- Vaisnavite Movements



**COURSE – 207 (A)**

**STATE FORMATION IN ANCIENT INDIA**

**Marks 100(80+20)**

**Credit – 8**

**Objective :**

This paper will deal with political developments in Ancient India from tribal organization to state formation. The focus is on state formation. Other aspects of the period such as society, economy and religion will be dealt with only to the extent necessary for understanding the formation of state in Ancient India.

**UNIT –I : Background to Evolving Political Patterns (2500-600 B.C)**

- (a) Harappan Culture
- (b) Early Vedic and Later Vedic Polity: Transition from Tribal Polity to State.

**UNIT-II : State formation in the Ganga valley (600-321 B.C.)**  
The First Territorial State

**UNIT- III : Emergence of Empire (321-185 B.C): The Mauryan state**

**UNIT- IV : Post-Mauryan Polity (200 B.C-300 A.D)**

- (a) Kushanas
- (b) Satavahanas

**UNIT- V : Evolution of the Classical pattern (300-700 A.D)**

The gupta Empire

**UNIT- VI : Post-Gupta Polity**

- (a) North India: Harsvardhan, Rajputs
- (b) Deccan: Chalukyas of badami, Rashtrakutas
- (c) South India : Colas

**Reading List**

- AS.Altekar : The Rashtrakutas and their Times
- AS.Altekar : State and Government in Anciant India.
- D.D.Kosambi : An Introduction to the Study of India History
- G.Yazdani (ed) : The Early History of the Deccan
- H.C.Raychaudhuri : The Political History of Ancient India (2 Vols)
- Romila Thapar : A History of India
- Romila Thapar : The state as Empire in H. Claessen and P. Shalnik,  
The Study of the State
- Romila Thapar : From Lineage to State
- R.S. Sharma : Aspect of Political Ideas and Institution in Ancient India
- R.C. Majumder (ed) : History and Culture of the Indian People  
Vol I : Vedic Age  
Vol II : The Age of Imperial Unity  
Vo III : The Classical Age
- R.S. Tripathi : History of Anciant India
- R.Shamasastri : Arthasastra
- V.R.R. Dikshitar : Mauryan Polity



## COURSE -207 (C )

### BRITISH RULE IN INDIA (1757-1857)

Marks 100 (80+20)

Credit- 8

#### Objective :

The course highlights the force and factors that encourage the establishment of British power in India , the stage of colonial penetration and initial resistance as well as the change in the administrative structures and policies till 1857. It is directed towards an understanding of the nature of the impact of British rule and how this impact created conditions for the growth of new force which led to the outbreak of the Revolt of 1857.

#### UNIT – I

- (i) Historiography on British Rule from 1757 to 1857
- (ii) Economic, political and social change in 18th Century India Society.
- (iii) Conflict over economic resources between British East Indian Company and the Regional Powers
- (iv) Emergence of the East India Company as a political power

#### UNIT – II : Resistance, modernization and submission

- (i) Mysore
- (ii) Marathas
- (iii) Punjab

#### UNIT – III : Consolidation of British rule: modern administrative structure

#### UNIT – IV : Instruments of Expansion :

Subsidiary Alliance, (Economic penetrated of Avadh)  
Doctrine of Lapse

## UNIT – V : Cumulative effects of British Rule Rule – Revolt of 1857

#### Reading List

Michael H.Fisher (ed) : The Politics of British Annexation India, 1757-1857,OUP, New Delhi,1999

Rajat Kanta Roy: Colonial Penetration and the Initial Resistance The Mughal Ruling class.

The English East India Company and the Struggle for Bengal (1756-1800) in Indian Historical Review

H.Kulke & D.Pohermkund : A History of India

R.K. Mukkherjee: The Rise and Fall of the East India Company, Bombay, 1973

Tara Chand: History of the Freedom Movement in India Vol.II

P.J. Marshall: Problems of Empire: Great Britain and India, London,1963

P.J.Marshall: East India Fortunes: The British in Bengal in the Eighteenth Century.

N.K.Sinha: The Economic History of Bengal from Plassey to the Permanent Settlement Vol.I

Percival Spear: History of India Vol.II

B. K. Gupta: Siraj-ud-daula and the East India Company 1757-57: Background to the Foundation of British Power in India

P.E. Roberts: History of British India, London.1970

Lucy Sutherland: The East India Company in the Eighteenth Century Politics.

Ram Gopal: How the British Occupied Bengal, Bombay,1963

C.A. Bayly:Rulers, Townsmen and Bazars: North Indian Society in the Age of British Expansion 1770-1870, OUP New Delhi,2003

S. Gopal: British Policy in India, 1858-1905, Madras, 1975  
R.C. Majumder: British paramountcy and Indian Renaissance  
Irfan Habib (ed): Confronting Colonialism: Resistance and  
Modernization under Haider Ali & Tipu Sultan, New Delhi, 1999

### **COURSE- 208 (A)**

## **AGRICULTURE TRADE AND URBANIZATION IN EARLY INDIA**

**Marks 100 (80+20)**  
**Credit- 8**

### **Objective**

The paper deals with the major themes of economy in Ancient India. The focus is on the pattern of change and continuity from tribal economy through trade, money economy, growth of towns and urbanization till the growth, development and decline of feudal economy.

### **UNIT-I : The First Urbanization (2500-1500 B.C.)**

- a. Craft
- b. Trade
- c. Towns of the Harappan Culture

### **UNIT –II : Continuity and Change (1500-700 B.C.)**

- (i) Pre-Iron Economy of Early. Vedic Aryans
- (ii) Introduction of Iron and Shift From the north west to the Gangetic Plains

### **UNIT- III : The Second Urbanization (600-200 B.C.)**

- (i) Growth of Agriculture, Craft, trade, guilds and Towns in the Ganga Valley
- (ii) State Controlled Economy of the Mauryas

### **UNIT-IV : Trade and Trade Routes and Commerce**

(200 B.C.-300 A.D)

- (i) IndoGreek, Sakas, Kushanas in Northern India
- (ii) Roman trade

### **UNIT-V : Feudal Economy: Growth, Development, Decline**

(300-1200 A.D)

- (i) Early Feudal Economy – Satavahanas and Guptas (300-700 A.D.)
- (ii) Decline of Feudal Economy – post-Gupta period (700-1200 A.D.)

### **UNIT- VI : Aspects of Economy in the South (500-900 A.D.)**

- (i) Brahmadeyas and Agraharas (500-900 A.D.)
- (ii) Temples as Centres of Economic life-Cholas (900=1300.A.D.)

### **Reading List**

- Burton Stein (ed) : The Beasant State and Society in Medieval South India,  
D. D. Kosambi : Introduction to the study of Indian history  
D. N. Jha : Studies in early Indian Economic History, revenue System in Post-Maury and Gupta Times.  
E.J Rapson : Cambridge history of India, Vol.I

- K.A.N. Sastri : History of South India
- M. Chandra : Trade and Trade Routes in Ancient India
- R. Thapar : A History of India
- R. C. Majumder : Corporate Life in Ancient India. History and Culture of the India People, Bharatiya Vidya Bhawan series,  
Vol-I : Vedic Age  
Vol-II: The age of Imperial Unity  
Vol- III: The classical Age
- R.S. Sharma : Indian Feudalism
- S.K. Maity : The Economic Life of North India in the Gupta period
- U. U. Ghoshal : The Agrarian system in Ancient India.

## COURSE – 208 (C)

### ECONOMIC HISTORY OF MODERN INDIA

Marks 100 (80+20)

Credit -8

#### Objective

The Course intends to give an in-depth analysis of the nature of change that the Indian economy underwent under the East India Company and the British Crown.

- UNIT-I** : a. History on the economic history of Modern India  
b. Indian Economy in the mid eighteenth century; nature of economy: rural and urban

#### UNIT-II : Early Phase of Colonial Economy

- (i) Mercantilism
- (ii) Decline of Traditional Industries
- (iii) Drain Theory
- (iv) British overseas trade

#### UNIT-III : A. Agrarian Settlements

- (i) Permanent settlement
- (ii) Ryotwari settlement
- (iii) Mahalwari settlement

- B.**
- (i) Commercialization of agriculture
  - (ii) Rural indebtedness
  - (iii) Famine

#### UNIT-IV : Changes in the Industrial and Related Spheres

- (a) Emergence of New Industries and capitalist enterprise
- (b) Railways and Indian Economy
- (c) Banking and Currency
- (d) Insurance

#### UNIT- V : (i) Demographic changes

- (ii) Urbanization
- (iii) Impact of World Economic depression between the two world

#### Reading List

- R.P.Dutta : India Today
- R.C.Dutta : Economic History of India Vol.I & II

- V.B.Singh (ed) : Economic History of India, 1875-1956
- Bipan Chandra : The Rise and Growth of Economic Nationalism in India.
- A.R. Desai : Social Background of Indian Nationalism
- Dharma Kumar (ed) : the Cambridge Economic History of India, Vol. II
- Ranjit Guha (ed) : Subaltern Studies, Relevant volumes
- Sumit Sarkar : Modern India (1885-1947)
- D.R.Gadgil : Industrial Evolution of India in Recent Times.
- M.N.Srinivas : Social change in Modern India.
- Bipan Chandra : Colonialism and Modernization. Essay on Colonialism.
- S.Bhattacharijee : Financial Foundation of the British Raj.
- Dadabhai Naoroji : Poverty and the un-British rule in India.

### THIRD SEMESTER

**COURSE – 309**

#### **HISTORY OF ASSAM (1826-1947)**

**Marks 100 (80+20)**

**Credit-8**

#### **Objective:**

The objective of this course is to study the various stages of colonial penetration in Assam and to examine the response and reaction of the people to the far reaching political economic and social change that occurred

#### **UNIT I : Occupation and Expansion**

- (i) The Treaty of Yandabo
- (ii) Early expansion : Assam, Cachar, Jayantia Hills Khasi Hills

#### **UNIT II : Forward Policy**

- (i) Garo Hills, Lushai Hill, Naga Hills
- (ii) Relation with the trans Inner line tribes

#### **UNIT III : Emergence of Political Awareness**

- (i) Factor responsible for emergence of political consciousness
- (ii) Early organization : raij mels, ryot sabhas, Jorhat Sarbajanik Sabha, Assam Association , Surma Valley Conference
- (iii) Partition of Bengal: response and reaction

#### **UNIT IV : Freedom Struggle in Assam**

- (i) Formation of Legislative Council
- (ii) Impact of World War I
- (iii) Non Cooperation Movement
- (iv) Civil Disobedience Movement
- (v) Provincial Autonomy
- (vi) Quit India Movement
- (vii) Transfer of power
- (viii) Women's participation

#### **Unit V : Social Economic Development**

- (i) Education and Intellectual awakening
- (ii) Development of Press

- (iii) Industrial Development
- (iv) Transport and Communication
- (v) Trade and market

### Reading List :

- H.K. Barpujari, Assam in the Days of the Company, Guwahati, 1966
- H.K. Barpujari (ed), Comprehensive History of Assam, Vols. IV and V, Guwahati 1993
- H.K. Barpujari, Problem of the Hill Tribes North East frontier Vols I,II,III. Guwahati,
- H.K. Barpujari (ed), Political History of Assam Vol I, Guwahati 1977
- A.C Bhuyan and S.De (ed) Political History of Assam Vol II and III, Guwahati
- P.Goswami, Assam in the Nineteenth Century: Industrialization and Colonial Penetration, new Delhi, 1999
- Amalendu Guha, Planter Raj to Swaraj, Freedom Struggle and Electoral Political in Assam, 1826-1947, New Delhi, 1977
- J.B Bhattacharjee, Cachar under British Rule in North East India , New Delhi, 1977
- B.C.Chakravorty, British Relation with the Hill tribes of Assam Since 1858, Calcutta, 1981
- A.J.M. Mills, Report on the Province of Assam, reprint, Guwahati, 1984
- A.J.M Mills, Report on the Khasi and Jaintia Hills, 1853, reprint, shilling 1985
- P.R Gurdon, The Khasis, reprint, New Delhi 1987

- A. Bhuyan (ed), Nationalist upsurge in Assam, Guwahati, 2000
- K.N. Dutta, Landmarks in the Freedom Struggle in Assam, Guwahati
- Dipti Sharma, Assamese Women in the Freedom Struggle, Calcutta 1993
- Tilottama Misra, Literature and Society in Assam, New Delhi, 1987
- S.D. Goswami, Aspects of Revenue Administration in Assam, New Delhi, 1987
- A. Mackenzie. History of the Relations of the Government with the Hill Tribes of the North East Frontier and Bengal
- C.U. Aitchinson, Treaties, Engagements and Sanads of Assam

### Course 310

## HISTORY OF MODERN JAPAN

Marks 100 (80+70)

Credit- 8

### Objective:

The objective of the course is to build up an understanding of Japan's transition from a feudalism based on military power to a modernized nation – state and its subsequent emergence as a world power within a short span of time. This process of radical transformation, which is the result of varied factors, both within and without, is significant in world history.

### UNIT I : Feudal structure of the Tokugawa Shogunate; End of Policy of Isolation :

- A. Revolutionary internal pressures – decline of military power, introduction of monetized economy, rise of the merchant class, role of intellectuals

- B. External pressures - treaty of Kanugawa (1854),  
Harris Treaty (1858)

**UNIT II : Meiji Restoration (1867)**

- (i) Constitutional changes  
(ii) Social and economic transformation  
(iii) End of feudalism (1871) – military reorganization

**UNIT III : Emergence of Japan as an imperial power :**

- (i) The Korean question-collusion of Japanese interests with China's hegemony and Russian designs in Asia  
(ii) Treaty revisions with western powers – Anglo-Japanese Alliance  
(iii) First World War – Twenty One Demands

**UNIT IV : Japan between the World wars :**

- (i) Washington Conference  
(ii) Rise of militarism.  
(iii) Manchurian Crisis  
(iv) 2 and Sino – Japanese war and aftermath

**Reading List**

John K. Fairbank et al, East Asia ; Tradition and Transformation, Allen and Unwin, 1973

Kenneth B Pyle, the Making of Modern Japan, New Delhi, 1983

HM Vinacke A History of the Far east in Modern Times, New Delhi, 1993

Malcolm Kennedy, A History of Japan, London, 1963

Clyde and Beers, The Far East, New York, 1948

E D Reischauer, Japan: Past and Present. New York 1946

E Reischauer, The United State and Japan, Cambridge, Harvard University Press, 1950

EH Norman, Japan Emergence as a Modern State, New York, 1983

N. Pepper, The Far East, New York, 1940

Borton Hugh, Japan since 1931, New York, 1940

**COURSE 311 (A)**

**ASPECTS OF ANCIENT INDIAN ART AND ARCHITECTURE**

**Marks – 100 (80+20)**

**Credit -8**

**Objectives :**

This course examines the major trends in ancient India sculpture and architecture.

**EARLY INDIA SCULPTURAL TRADITIONS**

**UNIT I** : Sculptures of the India valley Civilisation

**UNIT II** : Mauryan art

**UNIT II** : Early Buddhist sculptures

**UNIT IV** : Emergence of regional schools –

- Gandhar
- Mathura

- Amaravati
- Sarnath

**UNIT V : Sculptures of Assam**

- Early phase
- Pala-Sena art
- Kamarupa
- Deopani

**Reading List**

- P.Brown : India Architecture ( Hindu and Buddhist) Volume I
- A.K. Coomaraswamy : History of Indian and Indonesian Art
- J Burgess & Ferguson : History of Indian and Eastern Architecture Volume I&II The Cave Temples of India
- H.Sarkar : Studies in Buddhist Architecture of India
- S.Kramrisch : The Hindu Temple, Volume I&II
- E.B.Havell : The Ancient and Medieval Architecture of India: A Study of Indo-Aryan civilization.
- T.V.Mahalingam : The South India Temple Complex
- N.Ray : Mauryan and Sunga Art Approaches to india Art: Maury and Post Maurya Art
- S.K.Saraswati : A Survey of India Sculpture
- R.C.Mazumder (ed) : The History and culture of the India People Volumes I-V

- B.N.Mukherji : Eastern Indian Art Styles
- B.N.Barpujari(ed) : Comprehensive History of Assam
- V.Dehejia : Indian Art Early Buddhist Rock Temple: A Chronological Study
- M.Dutta : Sculptures of Assam
- H.K.Bhattacharjee : Icons and Sculptures of Early and medieval Assam
- P.Sarma : Architecture of Assam
- R.D. Choudhury : Archaeology of the Brahmaputra valley of Assam; Art Heritage of Assam
- N.D. Choudhury : History Archaeology of Central Assam
- Annual reports of the Archaeological Survey of India (ARASI)
- Report of the Directorate of Archaeology, Government of Assam.
- Journals of the Assam Research Society (Kamarupa Anusandhan Samiti)

**COURSE 311 (C)**

**PEASANTS'S AND WORKER'S RESISTANCE  
IN MODERN INDIA**

**Marks 100 (80+20)**

**Credit- 8**

**Objective**

The course is aimed towards an understanding of the concept of peasantry and underline the face that peasant struggles played a significant role in weakening the foundation of British rule in India. It also intends to trace the historical developments and analyse the nature,



goals and ideology of such struggles, which have emerged as a major social force in bringing about social, force in bringing about social, economic and political change.

### **UNIT – I**

- (i) Concept of peasantry
- (ii) Historiography: approaches in the study of peasants struggles
- (iii) Categorization of peasants revolts

### **UNIT- II**

- (i) Colonial Background of peasants struggles
- (ii) Peasant struggles of the pre- 1857 period
  - (a) Mappila Uprisings (1836-1921)
  - (b) Santhal hool (1855-56)

### **UNIT- III : Post 1857 peasants's struggles**

- (i) Bengal Indigo Cultivators' strike (1860)
- (ii) Phulaguri Dhawa (1861)
- (iii) Pabna Agrarisin League (1873)
- (iv) Marath Uprising (1873)
- (v) Birsaite ulgulan (1899-1900)

### **UNIT- IV : Gandhi, Congress and Peasant Movements**

- (i) Champaran styagraha (1918)
- (ii) Kisan sabha Movement (1920-37)
- (iii) Bardoli Movement (1928)

### **UNIT- V**

- (i) Left peasant movements- role of women
- (ii) Tebhaga Movement (1946)
- (iii) Telengana Movements (1946-51)
- (iv) Emergence of Indian Working Class
  - (a) Bengal Jute Worker's Strike (1937)
  - (b) Assam Oil company Works' Strike (1939)

### **Reading List**

A.R.Desai, peasant movements in India, New Delhi, 1983

Barrington Moore, the Social Origins of Dictatorship and democracy: Lord and Peasant in the Making of the Modern World, Harmondsworth, 1973

Ranjit Guha,Elementary Aspects of Peasant Insurgency in Colonial India, New Delhi, 1997

Teodar shanin, (ed), Peasant and Peasant Societies, 1976

David Hardiman (ed), Peasant Resistance in India (1858-1914) New Delhi, 1983

D.N.Dhanagare, Peasant Movements in India. New Delhi, 1983

Eric Stokes, The Peasant and the Raj: Studies in Agrarian Society and Peasant Rebellion in Colonial India, 1978

D.K. Singha Roy, Women in Peasant Movement: Tebhaga Naxalite and After, New Delhi, 1992

E.J.Hobsbawm, Bandits, 1972



David Thorner, The Agrarian Prospect in India: Five lectures on Land Reforms, New Delhi 1956

K.N.Dutta Landmarks in the freedom Struggle in Assam, 1958

H.K.Barpujari (ed) Political History of Assam Vol I, 2nd edn, 1999

A.C. Bhuyan (ed), Political History of Assam Vol II

H.K. Barpujari, (ed) Comprehensive History of Assam, Vol. IV and V

Amalendu Guha, Planter Raj to Swaraj, Freedom Struggle and Electoral Political in Assam, 1826-1947

Dipankar Banerjee, Labour Movements in Assam, New Delhi, 2005

Ranjit Guha (ed) Subaltern studies (relevant Volumes)

Journal of peasant Studies (select issues)

Indian economic and Social History review (select issues)

Studies in History

## **COURSE- 312**

### **INTERNATIONAL RELATIONS, 1871-1939**

**Marks – 100 (80+20)**

**Credit-8**

#### **Objective:**

The objective of this course is to study the issues governing the relationship among the major powers between 1871 and 1939. The inability of the international community to resolve the issues created situation amenable to the outbreak of the two World Wars. The pattern of relationship during this period was essentially Eurocentric. This paper

will therefore be primarily European in content interspersed with such non-European issues as are relevant to the central theme.

**UNIT-I** : Rival System of Alliance in Europe, colonial and naval rivalries of the European power.

**UNIT-II** : Conflict of nationalities: the Balkans, Austral-Russian and Austro-Serbian rivalries.

**UNIT-III** : The First World War, the Paris Peace Settlement and its aftermath.

**UNIT- IV** : The League of Nationals and Collective Security; Break-down of collective Security-Case Study: Manchurian Crisis and Ethiopian Crisis.

**UNIT- V** : Nazi preparation for war; violation of Versailles and Locarno; Stresa Front, Rome –Berlin Axis, Spanish civil War; Annexation of Austria and dismemberment of Czechoslovakia; Russo-German Non-aggression Pact, German invasion of Poland outbreak of the Second World War.

#### **Reading List**

S.B. Fay : The Origins of the World war.

J.A.R.Mariott : A History of Europe

S.H. Zebel : A History of Europe since 1870

E.Lipson : Europe in the 19th and 20th Centuries.

F.Lee Bennes : European History since 1870

F.Lee Bennes : The World since 1919.

- G.M. Gathorne Hardy : A Short History of International Affairs 1920-39
- A.J.P. Taylor : Struggle for Mastery in Europe
- E.H. Carr : International Relations Between the Two World Wars 1919-1939.
- R.J. Sontag : European Diplomatic History 1871-1932
- S.N. Dhar : International Relations and world Politics since 1919
- A.C. Roy : International Relations Since 1919
- B.E. Schnitt : Triple Alliance and Triple Entente

#### FOURTH SEMESTER

##### COURSE- 413

##### INTERNATIONAL RELATIONS SINCE 1939

Marks- 100 (80+20)  
Credit – 8

##### UNIT-I :

- (i) War-time Conferences
- (ii) Cold War, and Detente
- (iii) Disarmament and Arms Control.
- (iv) End of the Cold War,
- (v) 9/11 and its implications

##### UNIT- II : Europe

- (i) Germany till Re-Unification
- (ii) Western Europe, NATO; European Union.
- (iii) Soviet policy towards Eastern Europe, Fall of Communist Regimes in Eastern Europe, Break-up of the Soviet Union.
- (iv) Break up of Yugoslavia and after.

##### UNIT- III : Major Developments in Asia

- (i) Korean War, Sino-Soviet split, Vietnam War, SEATO, ASEAN.
- (ii) Problems of West Asia
- (iii) Afghanistan

##### UNIT- IV : Post World War II:

- (i) Africa
- (ii) Latin America

##### Reading List

- W.C. Langsam : The World Since 1919 (Relevant Chapters)
- F. Lee Bennis : Europe Since 1914 in its World setting (Relevant Chapter)
- Geir Lundestad : East, West, North, South: Major Developments in International Political 1945-1996
- Peter Calvocoressi : World Political, 1945-2000
- William R. Kaylor : The Twentieth Century World: An International History.

Wayne C. McWilliams  
& Harry Piotowski : The World Since 1945

Sir John Wheeler  
Bennett & Anthony  
Nicholls : The Semblance of Peace; The Political  
Settlements After the Second World War.

Coral Bell : The Diplomacy of Détente: The Kissinger  
Era.

Thomas J. McCormick : America's Half-Century: United State  
Foreign Policy in the Cold War

Wallace Irwin Jr. : America in the World: A Guide to U.S.  
Foreign Policy

J.M. Roberts : The Penguin History of Europe

J.M. Roberts : The Penguin History of the Twentieth  
Century

Della W. Sheldon (ed) : Dimensions of Detente

D.F. Fleming : The Cold War its Origins (2 Vols)

Ranju Bezbaruah : Isolation to Global Commitment

Adam B. Ulam : Expansion and Co-existence: Soviet.  
Foreign Policy 1917-73

Lewis Gaddis : The United State and the Origins of the Cold  
War, 1941-1947.

Robert Osgood : NATO: The entangling Alliance

Jozef Goldblat : Arms Control: A Guide to Negotiations and  
Agreements.

Patric Brogan : The Fighting Never stopped: A  
Comprehensive Guide to World Conflict  
since 1945.

George C. Herring, Jr. : America's Longest war: the United State  
and Vietnam

Ritchie Overdale : The Origins of the Arab-Israeli wars.

Phil Williams : Superpower Détente: A Reappraisal.

Geir Lundestad (ed) : The Fall of Great Power: Peace Stability,  
and Legitimacy.

Jhon Miller : Mikhail Gorbachev and the End of the  
Soviet Power.

Tony Smith : The Non-Aligned Movement: The Original  
of a Third World Alliance.

Joseph Rothschild : Return to diversity: A Political History of  
East Central Europe since World War II

Derek W. Urewin : The Community of Europe: A History of  
European Integration since 1945.

Philip H. Gordon : France, Germany and the Western Alliance.

William Whitney  
Streck, Jr. : The Road to Confrontation: American Policy  
Towards China and Korea: 1947-1950

W. Arthur Lewis : The Evolution of the International Economic  
Order

Peter Lyon : Neutralism

R. Ogley : The United Nations and East-West  
Relations

Harold C. Hinton : Communist China in World Political

Donald S. Zagoria : The Sino-Soviet Conflict 1956-1950

J.W. Fulbright : Old Myths and New Realities and other  
commentaries

George Kennan : American Diplomacy 1900-1950  
Walter Lippman : The communist World and Ours  
Charles O. Lerche, Jr. : Foreign Policy of the American People

**Journals :**

Current History(Philadelphia)  
Foreign Affairs(New York)  
India Quarterly(New Delhi)  
International Affairs(London)  
International Studies(New Delhi)  
Orbis(Philadelphia)  
World Today(London)

**Other Periodicals**

Economist (London)  
Far Easter Economic Review (Honkong)

**New Digest**

Kessing's Contemporary Archives(London)  
Asian Recorder(New Delhi)  
Indian Recorder(New Delhi)  
Indian Recorder and Digest(New Delhi)

**COURSE – 414 (A)**

**SOCIAL HISTORY OF ANCIENT INDIA FROM  
THE EARLIEST TIME TO 1206**

**Marks -100 (80+20)**

**Credit-8**

**Objective :**

The course is structured to study the dominant trends and social concepts relating to the ancient period – the evolution of the social structure and varied religious traditions that shaped social life during this time.

**UNIT- I** : Historiography of Ancient India Social History.

**UNIT-II** : Structure of ancient India society: Emergence and development of the Varna/Caste organization (Varna/ Jati, Varna Sharman dharma, marriage, Untouchability, Slavery)

**UNIT-III** : Early Indian Religious Tradition: Continuity and Change in Vedic and Pauranic religions; Emergence of sec train trends within brahmanical religion- Vaisnavism, Slavism and other sects.

**UNIT- IV** : Social Protest in the 1st millenniums B.C. in Northern Indian: Jain Buddhism, Other minor sects

**UNIT- V** : Change status of women in Ancient India: an overview.

**Reading List**

D.D .Katsambis : Introduction to the study Indian History  
Max Weber, : Religion of India

S.C. Bhattacharya : Some Aspects of Indian Society  
R.S.Sharma, : Sudras in Ancient India Social changes in early Medieval India  
K.A.Nilakanta : Development of Religion in South India,  
Sasri : A Beteille, Castes:Old and New Essays in Social Structure and Social Stratification.  
Celestin Bougle : Essay on the Caste System,  
R.Fick, : Social Organization in North –East India  
P.V.Kane, : History of Dharma Sastra, Vol.II PE.III (Chapter)  
D.D.Kosambi, : ‘Early Brahmins and Brahmanism’ Journal of the Royal Asiatic Society,XXX III 1947, PP 39-46.  
B.N.Sharma : Social life in Northern Indian (A.D.600-1000)  
B.N. Sharma : Social life in Medieval India (Devraj Chanana Memorial Lectures, Delhi, 1969).  
N.Wagle, : Society at the Time of the Buddha,  
N.N. Bhattacharya : Ancient India Rituals and their Social Content  
A.B.Keith : Religion and Philosophy of the Vedas and Upanishads (Nos) Pts I &II  
D.D.Kosambi, : Myth and Reality (Relevant Chapter)  
Suvira Jaiswal, : ‘ Studies in Early Indian Social History: Trends and Possibilities’ in Indian Historical Review, Vol.VI, Nos. 1-2  
A.L.Basham : History and Doctrines of the Ajivikas  
R.S.Sharma, : ‘Material Background of the Origin of Buddhism Das Capital Centenary Volume, PPH.Delhi 1968.

Devraj Chanana, : Social Implication of Reason and Authority in Buddhism’ ...Vol 3 (3), Sept. 1966. pp.292-302.  
G.C.Pande : Studies in the Origins of Buddhism  
D.D.Kosamib, : The Culture and Civilization of Ancient India in history Outline.  
Sukumar Dutta, : The Buddha and Five after Centuries  
Romila Thapar, : Ancient Indian Social History: Some Interpretations. Interpreting Early India.  
A.K.Coomaraswamy : The Origin of the Buddha Image, reprint,  
Suvira Jaiswal, : The Origin and Development of Vaisnavism  
R.G.Bhandarkar : Vaisnavism, Slavism and Minor Religious Systems, reprint, Varanasi.  
J.N. Banerjee : Puranic and Tantras,  
C.Chattopadhyaya : The Evolution of Theistic sects in Ancients India  
P.C.Bagchi : Studies in Tantras,  
C.Chakravarti : The Tantras: studies on Their Religion and Literature,  
R.C.Nazra, : Pauranic Records of Hindu Rites and Customs,  
S.Chattopadhyaya : Social life in Ancient India.  
B.Baruah : A Study of Social-Religious Ceremony of Upanayans in the Dharmasastra and Grihyasutras,

## COURSE – 414 (C )

### SOCIAL HISTORY OF MODERN INDIA

Marks 100 (80+20)

Credit - 8

#### Objective

The course is designed to make in-depth study of the forces that were at work to shape the Indian society during the colonial period.

#### UNIT – I :

- (i) Colonial Intervention and Social Change: Sanskritization, Westernization, Secularization.
- (ii) Social consequence of the transformation of Indian agriculture rise of new social classes-zamindars, tenants kisans; emergence of middle class.
- (iii) Changing caste equations

#### UNIT – II

- (i) Impact of modern education; growth of press (national and regional)
- (ii) Emergence of new intelligentsia and its composition
- (iii) Emphasis on Raja Ram Mohan Roy, Ishwar Chandra Vidyasagar, Jyotiba Phule, Anandaram Dhekiyal Phukan

#### UNIT-III : Socio – religious revivalist/ reform movements:

- (i) Brahman Samaj
- (ii) Prarthana Samaj
- (iii) Arya Samaj
- (iv) Theosophical society

- (v) Ramkrishna Mission
- (vi) Aligarh Movement.
- (vii) Wahabi Movement

#### UNIT – IV

- (i) Women: Changing position and attitudes
- (ii) Women's organization: Nation, provincial, local
- (iii) Women's issues: property rights, reform legislation, political participation.

#### Reading List

- Eric Stokes : The English Utilitarian in India
- M.N.Srinivas : Social change in Modern India, Orient Longman, Rpt 2004
- A.R.Dasai : Social Background of India Nationalism. People's Publishing House.
- R.C.Mazumder : British paramountcy and Indian Renaissance Part-II, Bharatiya Vidya Bhawan.
- Amiya Sen : Social and Religious Reforms OUP.
- Kenneth W.Jones : Social and Religious Reform Movement in British India. The New Cambridge History of India, Rpt 2003
- Geraldine Forbes : Women in Modern India. The New Cambridge History of India Rpt 2004
- Gunaviram Baruah : Anandaram Dhekiyal Phukanar Jivan Charita, Assam Prakashan Parishad, 1971.

- Tilottom Mishra : Ram Navami Natak, OUO 2007
- Prosernjit Choudhury : Socio Cultural Aspect of Assam in the Nineteenth Century, Vikas Pub House New Delhi, 1994
- Bipan Chandra : Indian National Movement Long Term Dynamics
- Susan Sarkar : Writing Social History, OUP.
- Susan Bayley : Caste Society and Politics in India . The New Cambridge history of India, Rpt 2005

## **COURSE – 415**

### **INDIA’S FOREIGN RELATIONS SINCE 1947**

**Marks – 100 (80+20)**

**Credit-8**

- UNIT -I :** Principles of India’s foreign policy and the factors shaping them; Early Indian attitude towards the Cold War issues; India’s Attitude towards American sponsored military alliances
- UNIT – II :** Relations with Pakistan-  
Issues arising out of Partition ; Indus Water Disputes  
Kashmir problem;  
East-Bengal Crisi and India Pakistan War of 1971; Post 1971 Development.

- UNIT- III :** Relation with People’s Republic of China – Evolution of relation up to 1959; Undeclared Border War of 1962; Post 1962 developments.
- UNIT- IV :** Relation with the United State of America-Divergence in World Views; Difference on major global issues; US Attitude towards Non-alignment and Kashmir issue integration of Goa; US military assistance to Pakistan and Pakistan-American alliance US response to Chinese Aggression of India – Harriman Mission and US Commonwealth Air Mission; US peace Efforts during Indo-Pak War of 1965; Chinas Ultimatum to India US Relation; Nuclear co-operation; Economic Relations, PL – 480. Later developments
- UNIT- V :** Relation with the Soviet Union-  
Early perception of one another in the formative period and gradual improvement of relations; Indo – Soviet treaty; Afghanistan Crisis; Economic co-operation.
- UNIT- VI :** (a) Relations with Nepal – different Phases  
(b) General survey of relations with Bangladesh; The Ganga water problem.  
(c) General survey of relation with Sri Lanka; The Sri Lankan ethnic problem and India.
- UNIT- VII:**  
(a) Non-aligned Movement (NAM)  
(b) India economic diplomacy



(c) South Asian Association for Regional Co-operation (SAARC)

(d) India and Disarmament

**Reading List :**

Charles H.Heimsath and

- Surjit Mansingh : A Diplomatic History of Modern India  
Ramesh Thakur : The Political Economic of Inida's Foreign Policy  
Surjit Mansingh : India search for Power: Indira Gandhi Foreign Policy, 1966-1982  
Yuri Nasenko : Jawaharlal Nehru and India Foreign Policy  
V.P .Dutta : India's Foreign Policy  
V.P. Dutta : India's Foreign Policy in a Changing World.  
Ross N. Berkes and  
Mohinder S.Bedi : The Diplomacy of India: Foreign Policy in the United Nations.  
Ranju Bezbaruah : America and India in Global and South Asian Settings  
C.P. Bhambhri : Foreign Policy of India  
A.P Rana : The Imperative of Non-alignment: A Conceptual Study of India's Foreign Policy Strategy in the Nehru period.  
Sisir Gupta : Kashmir: A Study in India-Pakistan Relations.  
J.N. Dixit : India's Foreign Policy, 1947-2003  
Harish Kapur : Diplomatic Journey: Emerging India  
Stephen P. Cohen : India: Emerging Power

- V.Longer : The Defence and Foreign Policy of India  
S.P. Sing : Political Dimensions of India-USSR Relations  
Leo E. Rose : Nepal: Strategy for Survival  
John Rowland : A History of Sino-Indian Relations: Hostile Co-Existence.  
G.W. Choudhury : Pakistan's Relation with India  
Jyotsna Bakshi : Russian-China Relation: Relevance for India  
Ian Talbot : Pakistan: A Modern History  
Bipan Chandra : India after Independence (Relevant Portions)  
Jagadish P.Sarma : Afro-Asia and Contemporary Politics  
D.R.Goyal (ed) : Nuclear Disarmanent: The Six-Nation Initiative and the Big Power Response  
Alastair Lamb : Crisis in Kashmir 1947-1966  
S.M.Burke : Pakistan's Foreign Policy: An Historical Analysis.  
K.P.Misra (ed) : Studies in Indian Foreign Policy  
B.R. Nanda (ed) : Indian Foreign Policy: The Nehru Year  
M.S. Naik : Soviet Policy Towards India From Stalin to Brezhnev.  
K.P.S. Menon : The Indo-Soviet treaty: Setting and Sequel  
R.P.Kaushik : The crucial years of Non-alignment:U.S.A., Korean War India.  
Alka Gupta : India and U.N.Peace-Keeping activities : A Case Study of Korea  
J.S. Bains : India's Internation Disputes: A Legal Study  
S.M. Burke : Mainsprings of Indian and Pakistani Foreign Policies.



- J.C.Kundra : Indian foreign Policy 1947-1954; A Study of Relation with the Western Bloc
- W. Norman Brown : The United State and India, Pakistan, Bangladesh
- William J.Barnds : India. Pakistan and the Great Powers
- M.S. Rajan : India's Foreign Relations during the Nehru Era
- Hemen Rai : Indo-Soviet Relation 1955-1971
- V.D. Chopra (ed) : NAM: New Delhi to Harare
- Denis Wright : India-Pakistan Relations (1962-1969)
- Russell Brines : The Indo-Pakistani Conflict.
- Ashok Kapur, Y.K.Malik
- Harold A.Gould, Arthur
- G.Rubinoff (ed) : India and the United States in a Changing World.
- Rahmatullah Khan : Kashmir and the United Nations
- Joseph Korbel : Danger in Kashmir
- Peter Lyon : Neutralism (relevant portions)
- Neville Maxwell : India's China War
- Dorothy Woodman : Himalayan Frontiers
- S.P. Sen (ed) : The Sino-Indian Border Question: A Historical Review.

#### **Journals :**

- American Universities Field Staff: Asia Series
- Current History (Philadelphia)
- India Quarterly (New Delhi)
- International studies (New Delhi)
- Journal: Institute of Defence Studies and Analysis (New Delhi)

- Orbis (Philadelphia)
- World today (London)

#### **Other Periodicals**

- Economist; Far Eastern Economic review;
- Economic and Political Weekly

#### **News Digests**

- Asian Recorder; Indian Recorder and Digs; Keesings Contemporary Archives

#### **GOI Statements/Texts of Documents :**

- Foreign Affairs Record (Ministry of External Affairs, GOI)

#### **COURSE – 416**

### **GENDER HISTORY**

**Marks 100 (80+20)**

**Credit - 8**

#### **Objective :**

The objective of this course is threefold:

- To bring about gender-sensitivity
- To introduce basic concepts related to gender history
- To acquaint the students with the sources for gender history

#### **UNIT – I**

- (i) Concepts of Patriarch and Patriliney
- (ii) Matriarchy and Matriliney
- (iii) Feminism
- (iv) Women's Liberation

- (v) Gender- Female/Male nature/ Culture dichotomy
- (vi) Gender History.

**UNIT – II: Women as depicted in the various history phases of Indian history**

- (i) Early India, Pre-colonial and Colonial India
- (ii) Women in Northeast India
- (iii) Women in Matrilineal and patriarchal societies.

**UNIT-III: History of Feminism and Women’s Liberation Movements**

- (i) Women’s Rights
- (ii) Women and Environment.

**UNIT-IV : Women in the Indian National Movement**

- (i) Swadeshi Movement
- (ii) Non-Cooperation Movement
- (iii) Civil Disobedience Movement
- (iv) Quit India Movement

**UNIT-V : Methodology for Gender History: techniques of re-examination of existing sources:**

- (i) Literary texts
- (ii) Autobiographies,
- (iii) Private diaries
- (iv) Archival records
- (v) Folk traditions
- (vi) Oral History.

**Reading List**

- Sonya Andermahr, Terry Lovel, Carol Wolkowi (eds), A Concise Glossary of Feminist Theory  
 International Encyclopedia of Social sciences  
 M. Beard, Women as a Force in history, Penguin, 1975  
 Gender Lerner, The creation of Patriarchy, OUP, 1983  
 AM Jaggar, Feminist Politice and Human natur, New Jersey, 1983  
 Shiela Rowbotham, hidden From History, New Work, 1974  
 JK Kournay, JP Sterba & R. Tong (eds) feminist Philosophies: Problems, Theories and Application, New Jersey, 1992  
 F. Engels, The Origins of the Family, Private Property and the state, Moscow, 1968  
 Kumkum Sangari & Sudesh Vaid (eds), Recasting Women: Essays in Colonial history, New Delhi, 1989  
 Geraldine Forbes, Women in Modern India, CUP, UK, 2007  
 Neerj Desai and Usha Thakkar, Women in India society, New Delhi, 2001  
 Leela Kasturi & Vina Mazumdar (ed), Women and the National Movement, New Delhi, 1994  
 As Altekar, The position of women in Hindu Civilization, New Delhi, 1959  
 S.Sen (ed), Women in Meghalaya, New Delhi, 1992  
 Deepti Sharma, Assamese women in the Freedom Struggle, Assam, 1996s

\*\*\*\*

**ACADEMIC CALENDAR**  
**Gauhati University Institute of Distance and Open Learning**  
**Guwahati- 781014, Assam**

<b>ADMISSION</b>			
<b>SEMESTER (TRADITIONAL PROGRAMME)</b>			
A	1	Fresh	July-September
	2	Continuation	July-September
<b>SEMESTER (IT PROGRAMMES)</b>			
B	1	Fresh	July-September
	2	Continuation	Odd Semester (July-September)
			Even Semester (January-February)
<b>ADMISSION TEST FOR M.Sc. IT PROGRAMME</b>			
C	August		
<b>ANNUAL PROGRAMMES</b>			
D	1	Fresh	July-September
	2	Continuation	July-September
<b>DISTRIBUTION OF SLM</b>			
<b>SEMESTER/ANNUAL (TRADITIONAL PROGRAMMES)</b>			
A	1	Fresh	July-October
	2	Continuation	July-October
<b>SEMESTER (IT PROGRAMMES)</b>			
B	1	Odd Semester	July-October
	2	Even Semester	Jan-March
<b>CONTACT CLASSES</b>			
<b>SEMESTER (TRADITIONAL PROGRAMMES)</b>			
A	1	Odd Semester	September-December
	2	Even Semester	March-June
<b>SEMESTER (IT PROGRAMMES)</b>			
B	1	Odd Semester	September-December
	2	Even Semester	March-June
<b>ANNUAL PROGRAMME</b>			
C	1	Previous	December-May
	2	Final	December-May
<b>EXAMINATION : TERM END</b>			
<b>SEMESTER (TRADITIONAL/IT)</b>			
A	1	Previous	July-August (All Sundays)
	2	Final	July-August (All Sundays)
<b>ANNUAL</b>			
August-September (All Sundays)			
B	<i>Schedule may change as per directive of the controller of Examination, GU/Govt. of Assam</i>		

<b>EXAMINATION: Sessional (OMR based Internal Examination)</b>			
A	<b>SEMESTER (TRADITIOAN/IT)</b>		
	1	Odd Semester	November
	2	Even Semester	May
<b>ANNUAL</b>			
January			
<b>DECLARATION OF RESULT (Term End)</b>			
<b>SEMESTER (TRADITIONAL/IT)</b>			
A	1	Odd Semester	May-June
	2	Even Semester	November-December
B	<b>ANNUAL</b>		
	Januray		

**ENCLOSURE-III**  
**SLM covering syllabus**

<b>Semester</b>	<b>Paper No</b>	<b>Paper Name</b>
<b>I</b>	<b>1</b>	Historical methods
	<b>2</b>	History of Assam ( circa 5 <sup>th</sup> to 1228AD)
	<b>3</b>	History of USA ( 1783-1919)
	<b>4</b>	Indian National Movement
<b>II</b>	<b>5</b>	History of China ( 1839-1949)
	<b>6</b>	History of Assam ( 1228-1826)
	<b>7</b>	Group A: State formation in Ancient India Group C; British Rule in India( 1757-1857)
<b>III</b>	<b>8</b>	Group A: Agriculture , Trade and Urbanization in Early India Group C; Economic History of Modern India (1757-1947)
	<b>9</b>	History of Assam ( 1826-1947)
	<b>10</b>	History of modern Japan ( 1852-1941)
	<b>11</b>	<b>Group A:</b> Aspects of Indian arts and architecture <b>Group C:</b> Peasents and workers resistance in Modern India
<b>IV</b>	<b>12</b>	• International relations since 1939
	<b>13</b>	International relations since ( 1871-1939)
	<b>14</b>	<b>Group A:</b> Social History of Ancient India from earliest time to 1206. <b>Group C:</b> Social History of Modern India
	<b>15</b>	Indian Foreign relation since 1947 ( Elective)
	<b>16</b>	Gender History

**GAUHATI UNIVERSITY**  
**INSTITUTE OF DISTANCE AND OPEN LEARNING (GUIDOL)**

**Programme Project Report (PPR)**

PPR ID : GU/GUIDOL/PPR/15 (Total no. pages : 38 )

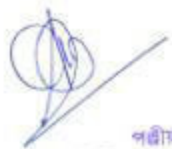
Programme: Masters of Arts (M.A.) in Mass Communication

**I. Programme Mission and Objective:**

The mission of the Programme to be launched is *"to cater to the need of higher education in Mass Communication and Journalism and to widen the periphery of Media Education."*

**Objectives of the Programme:**

- *The primary objective of this programme is to plan for an all-round development of the media students that would comprise of aspects such as*
  - *imbibing correct media education principles*
  - *inculcating modern media perspectives*
  - *understanding professional ethics and determining the pathway for media growth*
- *Apart from that the other objectives of the programme are—*
  - *to introduce various aspects of mass communication and journalism to the students.*
  - *to acquaint and train them on different use of media strategies.*
  - *to develop the skills of the students on handling of different mass communication tools.*
  - *to generate competent and well-educated man-power for the teaching profession in media education as well as manning positions of research associates in public/private sector academic and research institutions.*
  - *to make the students prepared for adapting to the changing dynamics of the media world.*
  - *to give exposure to the students to various seminars, workshops, conclaves related to the field of Mass Communication and Open and Distance Learning(ODL).*



## **2. Relevance of the programme with HEI's mission and goals:**

Gauhati University was established in 1948 with a mission to revitalize educational leadership, to set the standard for the production and dissemination of knowledge as well as to become an effective instrument of change in the society. With this aim in view, the Department of Communication and Journalism was established in 1967 and has set up, over the years, a close association with various Print and Electronic media houses of the region, Ad agencies, Public Relations Firms, Public Relations Society of India (PRSI), Film and Television Institutes, the Communication Cell of some government departments, the Public Relations Departments of various Government Departments as well as those of some PSUs, Corporate Houses and Private Sectors, some online media entities and other formal and informal organizations which give opportunity to the students to acquire access to practical knowledge and ideas in the field of media, mass communication overall and journalism.

Keeping in view the motto of "*Quality Higher Education For All*", Master of Arts in Mass Communication (MAMC) Programme offered/ to be offered through ODL mode is very much relevant to the HEI's mission and goals as it aims to provide quality higher education in Mass Communication to those aspiring candidates who are deprived of higher education for various reasons. Moreover, to keep the quality intact the curriculum and syllabus is designed at par with the conventional mode keeping in mind the specific needs and acceptability of the learners in the ODL mode and in keeping with the aims and objectives of the parent department.

## **3. Nature and target group of learners:** Our target group includes-

- (1) those deprived of admission in the parent department of regular mode due to limited intake capacity.
- (2) those employed in various organizations who desire to pursue higher education as a passion or as a mean for movement up the promotional ladder
- (3) drop outs primarily due to social, financial and economic compulsions as well as demographic factors.
- (4) job seekers in the various media houses, PR firms, Ad agencies etc.

Gauhati University also has a provision in the ODL mode for lateral entry for those who had to discontinue the regular programme after successful completion of the first two semesters due to unavoidable reasons. Acceptability of the lateral entry provision is an

indicator of parity of the courses in regular and distance mode. The curriculum is designed to enable learners to fulfill their aims and objectives in a manner they deem fit and proper. The curriculum is designed by a committee comprising of experts from the Department of the HEI, external experts and teachers of Gauhati University Institute of Distance and Open Learning (GUIDOL), keeping in view the needs of the diverse class of learners.

3. **Appropriateness of the programme to be conducted in the ODL mode for acquiring specific skills and competence-**

The M.A. in Mass Communication (MAMC) Programme offered/to be offered through ODL Mode will have certain learning outcomes. The M.A. in Mass Communication Programme will help the learners

- to gain knowledge on various theoretical and practical aspects of Mass Communication
- to enumerate the existing and emerging trends of Journalism and Mass Communication
- to explain the methods of appropriate use of Mass Communication tools
- to inherit the ethical values related to the mass media
- to develop their skills on Information and Communication Technology (ICT) and Educational Media
- to encourage media entrepreneurship

The learners will also be acquainted with various generic skills and competencies for Team Work, Creative Writing and Thinking, Media Management, Multimedia and Animation etc.

5. **Instructional Design:**

- a) **Curriculum Design:** The curriculum is designed by a committee comprising of experts from the parent department of Gauhati University and GUIDOL, keeping in view the needs of the diverse groups of learners.
- b) **Detailed Syllabus:** File containing detailed syllabus is attached.
- c) **Duration of the Program:** Minimum 2 (two) years. However, the learners are required to complete the programme within 4 (four) years from the date of admission.
- d) **Instructional Delivery Mechanism:** The programme will be delivered in 4 (four) semesters with 5 (five) courses/papers in each semester. The learners will be provided



with the printed SLMs which cover almost all the contents in the syllabus (*Enclosure-III*). Counselling classes are/will be held in the headquarter and various affiliated study centres. Telephonic Counselling, Community Radio Talks and other Educational Programmes and provision of online learning resources are/will be a part of the instructional delivery mechanism. The progress of the learners is/will be evaluated by Internal Assessment and Term End/Semester End Examinations.

e) **Faculty:**

1. Dr. Chandan Kumar Goswami, MA, Ph.D.  
Assistant Professor (Parent Department) & Programme Coordinator, GUIDOL
2. Mr. Alakesh Das, MA in Mass Communication  
Assistant Professor, GUIDOL (Full Time)
3. More than thirty resource persons from various Print and Electronic Media Houses of the state, PRSI, RGFTI, Online Media Outlets, the Parent Department etc.

f) **Media:** Print Media, Electronic Media, ICT Enabled tools, e learning portal. Students shall also be given field exposure as under

1. opportunity to participate in Public Relations Conclaves organized by the Public Relations Society of India (PRSI), Guwahati Chapter.
2. opportunity to participate in workshops on DSLR Film Making organized by Little Hands Professional Group.
3. opportunity to participate in a seminars organized by the PRSI, Guwahati Chapter.
4. opportunity to participate in the Media Blitz, 2017, the annual media festival organized by the Royal School of Communication and Media, Guwahati.
5. opportunity to participate in the Guwahati International Documentary Film Festivals annually at Jyotichitraban Film and Television Institute, Guwahati.
6. opportunity to learn the practical aspects in Radio Luit, 90.8 FM, the Community Radio Service, Gauhati University.
7. more so, from time to time the students are sent to various events related to media such as film festivals, media festivals of Gauhati University named Communika held annually.

g) **Student Support Services:** In order to successfully execute the programme, the University has a wide range of Student Support Services for the ODL learners. The various Student Support Services are listed below:

- i) **Network of Study Centres:** To assist its learner the University has established 96 study centres throughout the State of Assam but within the territorial jurisdiction of Gauhati University.
- ii) **State of the art Library** with around 7000 collections of materials which includes books, journals, magazines, CDs and DVDs, dissertations etc.
- iii) **E- Learning Portal:** [www.bodhidroom.guidol.in](http://www.bodhidroom.guidol.in) the first of its kind in the entire North Eastern Region of India which provides the following services to the students:
  - Online enrolment of students
  - Independent Discussion Forum for every course
  - Independent News Forum for every course
  - Online interaction facility with faculty members
  - Online interaction between the students making the scope of collaborative learning
  - Interaction through chatting of all users of all courses who are online.
  - Separate Chat Room for individual course
  - **Message My Teacher:** When a student gets logs in to Bodhidroom, after enrolling himself/herself to a course, he/she will see the names of the virtual class teachers. A Student can directly send offline messages to the teachers. When the teacher is logged on, he will receive an alert of incoming messages. Then he can reply to the message.
  - Online Study Material
  - Old Examination Question Papers
- iv) **Dynamic Website** [www.idolgu.in](http://www.idolgu.in) : Gauhati University has a separate dynamic website for the ODL learners where one can get all the information regarding its programmes, upcoming events, examination results etc.
- v) **Computerised admission process with provision of online admissions** The whole system of admissions and examinations are managed using professional software which gives instant online access to learners through [www.idolgu.in](http://www.idolgu.in).
- vi) **Flexible Walk in Group Counselling (FWGC):** Regular group and individual counselling are/will be held in GUIDOL (headquarter) as well as in the parent department during all working days. Learners may walk in to the designated counselling room and meet their teachers to clarify their doubts.

vii) **Personal Contact Programme(PCP)** :In addition to the Study Materials, useful Personal Contact Programmes(PCPs) are/will be held at various study centres, enabling the students to clarify their confusions and ease their difficulties while going through it. Qualified faculty members of study centres help out the attending students by providing necessary tips and guidelines during the interactive sessions. These sessions are also meant to give the students a chance to meet the teachers personally and discuss their problems.

viii) **Community FM Radio:** Gauhati University has its own Community Radio Station named as “Radio Luit , 90.8 FM” and operates daily from 8AM to 8PM. The Community Radio station will be extensively used to broadcast Radio Talks on various courses daily. The broadcast contents are designed as per the requirements by faculty members of both GUIDOL and the parent department. Experts are outsourced if the need arises.

**6. Procedure for Admissions, Curriculum transaction and Evaluation-**

**Admission-** The admission process starts from August and ends by the end of September every year. The learners can go for either offline or online admission process. The minimum eligibility for admission into the M.A. in Mass Communication Programme is graduate from any recognized Indian or Foreign University in any discipline irrespective of subject(s) pursued and percentage of marks obtained. The fees for admission is Rs 7000.00(Seven Thousand only) per year. Financial Assistance is provided to the candidates belonging to the SC/ST and OBC categories in the form of scholarship. A Few learners belonging to the economically deprived section as well as the physically challenged category are provided free ship on the recommendation of the Hon’ble Vice Chancellor.

**Curriculum transaction- Activity Planner: Enclosure II**

**Evaluation-** Each theory paper carries 80% weightage for the term-end examinations and 20% for internal evaluation in the form of Home Assignments/Internal Examinations. In order to pass/clear a theory paper, a candidate must secure minimum 35%. However, for the practical papers in each semester, the students will have to submit projects and other assigned practical works related to the field of Mass Communication and on those Viva Voce Examinations are/will be conducted and the pass percentage is 40 for each practical paper. All examinations are conducted by the Controller of Examinations as per Rules and Regulations of Gauhati University .

7. **Library Resources:** The University has a State of the Art Central Library with rich collections of materials which includes books, journals, magazines, CD and DVDs, and is accessible to the ODL learners as well. Moreover, the Institute has its own Library where various books, journals and magazines are available.

Gauhati University being a member of the UGC-Infonet Digital Library Consortium (<http://www.inflibnet.ac.in/econ/index.php>) which provides current as well as archival access to more than 5000 core and peer-reviewed journals and nine bibliographic databases from 23 publishers and aggregators in different disciplines. The ODL learners can access the e-resources of UGC-Infonet Digital Library Consortium from the Gauhati University campus.

8. **Estimated Cost of the Programme:** Total estimated cost of the programme is approximately Rs. 40 Lakhs which includes preparation and printing of SLMs, remuneration of the resource persons, establishment costs and overheads. The estimate is evaluated considering the unit expenses of Rs.2.5 Lakhs per paper/1000 students for the entire duration of two years.

9. **Quality Assurance Mechanism and Expected Programme Outcome:** The institute has an Internal Quality Assurance Cell constituted by the statutory body of Gauhati University. Members of the Cell are drawn from amongst the Deans of the different Faculties, Heads of the respective Departments, Executive Council Members, Administrative Staff and Faculty members of GUIDOL.

Course Benchmark Statement: Please refer to para 4 above . Further, the learners are/ will be equipped for professional competence and employability.

**Master of Arts in Mass Communication (MAMC)  
Programme**

**SEMESTER: I**

**Institute of Distance and Open Learning(IDOL)**

**GAUHATI UNIVERSITY**

**Guwahati-781014, Assam**

# Course Structure

## Master of Arts in Mass Communication (MAMC)

Course Code	First Semester
MMC1015	Indian Society and Politics
MMC1025	History of Media and Global Media Scenario
MMC1035	Perspectives on Communication Theory
MMC1045	Basics of Journalism
MMC1054	Practical and Project
	<b>Second Semester</b>
MMC2015	Electronic Media
MMC2025	Advertising
MMC2035	Public Relations and Corporate Communication
MMC2045	Media Laws and Ethics
MMC2054	Practical and Internship/Project
	<b>Third Semester</b>
MMC3016	Film Studies
MMC3024	Media and Communication Research
MMC3035	Specialisation-I (ICT and Educational Media-I)
MMC3045	Specialisation-II (ICT and Educational Media-II)
MMC3054	Practical and Portfolio
	<b>Fourth Semester</b>
MMC4016	Alternative Media & Journalism
MMC4024	Communication for Development(C4D)
MMC4034	Specialised Communications
MMC4044	Current Affairs and Communicative Language
MMC4056	Dissertation and Comprehensive Viva Voce

### ABOUT THE PROGRAMME AND GENERAL GUIDELINES

The primary objective of this programme is to plan for an all-round development of the media students that would comprise imbibing correct media education principles, inculcating modern media perspectives, understanding professional ethics and determining the pathway for media growth. Keeping all this in mind, the syllabus here has been designed keeping room for further modifications in order to adapt to the changing dynamics of the media world.

### OBJECTIVES

The programme is designed to:

- Introduce various aspects of mass communication.
- Acquaint and train the learners on different uses of media strategies.
- Develop the skills of the learners on handling of different mass communication tools.

## **LEARNING OUTCOMES**

After completion of this programme, the learners will be able to:

- Discuss the various theoretical and practical aspects of mass communication.
- Enumerate the existing and emerging trends of journalism and mass communication.
- Explain the methods of appropriate use of mass communication tools.
- Inherit the ethical values related to the mass media.
- Develop their skills on ICT and Educational Media
- Encourage media entrepreneurship

## **TEACHING PEDAGOGY**

The teaching pedagogy shall consist of counselling sessions, tutorials, practical, interpersonal counselling, group activities, seminars, special lectures, workshops and field visits in addition to the Self Learning Materials (SLMs).

## **COUNSELLING SESSIONS**

The counselling sessions are designed to encourage the learners to express their opinions, observations, share experiences, and ask questions. The learners should use this time to clarify their understanding of the concepts encountered in the SLMs. Learners with these concerns should follow the guidelines presented in the syllabus for grievances.

## **COURSE COMMUNICATION**

Learners are expected to show respect for instructors, action according to policies set by the University. The instructor will post lecture notes and learners may post their reports and other messages of interest on the official social media group, blog/group, email of the institute to be notified at the beginning of the academic session. When you e-mail to instructor or any faculty, make sure you put your full name, roll no, subject code and title of the paper/assignment in the subject line. All learners should provide their contact details at the time of admission.

## **COURSE PREPERATION AND PARTICIPATION**

Learners are expected to read SLMs prior to and post counselling. They should be ready with acquired ideas on the relevant topics which would be further discussed in the counselling sessions by the concerned counsellor with the aid of new teaching techniques, books and discussions.

## Course Structure

### Semester-I

#### Master of Arts in Mass Communication

Course Code	First Semester
MMC1015	Indian Society and Politics
MMC1025	History of Media and Global Media Scenario
MMC1035	Perspectives on Communication Theory
MMC1045	Basics of Journalism-- Print Media
MMC1054	Practical and Project

#### First Semester; Paper- MMC 1015: Indian Society and Politics

End Semester Examination will be of **3 Hours** duration with 80 marks;  
Internal Assessment (OMR based MCQ) will be of 20 Marks;

#### OBJECTIVES OF THE COURSE

The course is designed to:

- Introduce various aspects of the Indian society.
- Acquaint on the Constitution of India.
- Introduce the learners about the Indian government and politics.

#### LEARNING OUTCOMES

After completion of this course, the learners will be able to:

- Discuss the Indian socio-cultural structure.
- Enumerate the Constitution of India.
- Comprehend the Indian government and politics.

#### Course Outline

Paper Code	Unit	Subject Title / Contents of the Unit
		Indian Society and Politics
<b>MMC 1015</b>	1	<b>Indian Society</b> <ul style="list-style-type: none"><li>• Making of India- formation of the nation state, freedom struggle, post independent development (economic and political history).</li><li>• Indian society: Nature, Meaning and Definition;</li><li>• Indian Social Structure; Caste, Religion, Language in India.</li><li>• North East India: History, culture and politics</li></ul>
	2	<b>Constitution of India</b> <ul style="list-style-type: none"><li>• Historical Background, Constituent Assembly of India;</li><li>• Philosophical foundations of the Indian Constitution; Salient Features, Preamble,</li><li>• Fundamental Rights, Directive Principles of State Policy, Fundamental Duties.</li></ul>



		<ul style="list-style-type: none"> <li>• Sixth schedule, Autonomous Council and North East India</li> </ul>
	3	<b>Indian Governments</b> <ul style="list-style-type: none"> <li>• Union Government: Structures of the Union Government and Functions, President, Prime Minister, Cabinet, Parliament, Parliamentary privileges; Supreme Court of India, Judicial Review.</li> <li>• State Government: Structure and Functions, Governor, Chief Minister, Cabinet, State Legislature, Judicial System in States, High Courts and other Subordinate Courts. Panchayati Raj.</li> </ul>
	4	<b>Indian Politics</b> <ul style="list-style-type: none"> <li>• Problems of the Indian Political System: Linguistic, Regionalism, Communalism, Insurgency, Terrorism, Caste, Corruption and Criminalisation of Politics.</li> <li>• Nation building in India: problems and prospects,</li> </ul>
	5	Practical: The learners are suggested to read daily newspapers and magazines to keep themselves updated on various Socio-Political issues.

### First Semester; Paper- MMC 1025 : History of Media and Global Media Scenario

End Semester Examination will of **3 Hours** duration with 80 marks;  
Internal Assessment (OMR based MCQ) will be of 20 Marks

#### Objectives of the course

1. To trace the history and evolution of the modern media.
2. To acquaint the learners with the changing scenario of media growth.
3. To get a brief understanding of the structure of the global media scenario.

#### Learning Outcomes:

At the end of the course the learners will be able to:

1. Comprehend the concept of global media dynamics.
2. Develop a critical thinking on the global media scenario.
3. Build their perspectives on media evolution.

#### Course Outline

Paper Code	Unit	Subject Title / Contents of the Unit
		History of Media and Global Media Scenario
<b>MMC 1025</b>	1	<b>History of Communication and Media</b> <ul style="list-style-type: none"> <li>• Early Communication Modes, the Oral Tradition, Written Language, Introduction to traditional and folk media with reference to India and North East.</li> <li>• Origin and growth of press in India and the World, History of Press in India in the Pre and Post Independence Period</li> <li>• Pioneers in Indian journalism, Growth of Indian language media, Media and social reforms, Media facilitating freedom struggle and mass awakening</li> <li>• History of Press in Assam, Role of press in Assam in the Freedom struggle.</li> </ul>

2	<p><b>Growth and Development of Electronic Media, Alternate Media and New Media</b></p> <ul style="list-style-type: none"> <li>• Growth and Development of Radio as a Mass Medium in the World, The Golden Period of Radio, Radio during the World War, Growth of Public Service Broadcasting in the World, The Indian Radio Scenario – All India Radio to Private FM Broadcasting, Community Radio, Issues of News and Current Affairs in Private Radio, History of Prasar Bharati.</li> <li>• Growth and development of Television as a Mass Medium in the World, Growth of Satellite Television in the World, History of Indian Television: Doordarshan, Growth of SITE, Kheda Experiments, emergence of Satellite TV, DTH or Digital Broadcasting Service, HDTV, Conditional Access System (CAS)</li> <li>• History of Computer and Internet, Development of New Media, New Media and Mobile Telephony Services</li> </ul>
3	<p><b>Global Media Scenario—Some key aspects</b></p> <ul style="list-style-type: none"> <li>• Importance of the study of Global Media Systems, The Information Rich West and the Information Poverty in the Underdeveloped countries.</li> <li>• Historical Dimension of the International Information, their Closed situation in the Socialist countries</li> <li>• Concept of Free Flow of Information and Imbalance, Origin of the concept of Imbalance, Information Imbalance between the Developed and Developing countries, the Western Bias in Free Flow of Information, Contemporary trends in the Media and International Relations.</li> <li>• NWICO, NIEO, NAMEDIA, NANAP, MacBride Commission Report, The Algiers Summit, UNESCO, UNO, G-20, G-10, ITU</li> </ul>
4	<p><b>Global Media—An Overview</b></p> <ul style="list-style-type: none"> <li>• Newspapers and Magazines of different countries, Radio and Television of different countries, International Broadcasters—BBC, CNN etc. and their current status, Growth and Status of Community media in the Global Perspective,</li> <li>• International Media Conglomerates and their current status</li> <li>• Transnational News Agencies—Reuters, AP, AFP, TASS-ITAR, DPA, Xinhua, UPI, PTI and their current status, Alternatives to ‘Globals’---IANS, IRNS, PANA , CANA, NANAP etc.</li> <li>• Media Commercialisation Boom in Global Media, McDonaldization, Paid News Syndrome in the Global Media Scenario, Rupert Murdoch, ‘News of the World’</li> <li>• International Film Industry—Hollywood, Canadian Film Industry etc., Satellite Television—Animated films, documentaries, short films etc.</li> </ul>
5	<p>Practical: The learners are suggested to regularly read newspaper and magazines of various countries, to watch the national and international TV Channels and to listen to the national and international radio broadcasters to have a wider scope of knowledge of the overall global media scenario.</p>

## First Semester :: MMC 1035: Perspectives on Communication Theory

End Semester Examination will of **3 Hours** duration with 80 marks;

Internal Assessment (OMR based MCQ) will be of 20 Marks

### OBJECTIVES

The course is designed to:

- Introduce the basic aspects of communication.
- Correlate the theoretical aspects of communication.
- Introduce the learners to the target audiences and recent development in communication field.

### LEARNING OUTCOMES

After completion of this course, the learners will be able to:

- Discuss the morphology of communication.
- Illustrate the audience pattern.
- Interpret growth, development and changing trends of communication in the contemporary world.

### Course Outline

Paper Code	Unit	Subject Title / Contents of the Unit
		Perspectives on Communication Theory
MMC 1035	1	<b>Basics of Communication</b> <ul style="list-style-type: none"><li>• Communication: Definitions, meaning and scope, elements, processes and functions.</li><li>• Different forms of communication, oral, written, upward, downward, horizontal communication, intra-personal, inter-personal, group, crowd, public, mass communication and their characteristics.</li><li>• Feedback and barriers of communication. Verbal and Non-verbal communication, effective communication. Listening in communication,</li></ul>
	2	<b>Models of Communication</b> <ul style="list-style-type: none"><li>• Need and significance of Models and Theories, Various Schools of Theory: Chicago School, Frankfurt School, Columbia School, Toronto School etc.</li><li>• Communication models: SMR, SMCR, Harold. D. Lasswell, Charles. E. Osgood, Wilbur Schramm, George Gerbner, Newcomb, Westley &amp; MacLean, Berlo's model, Johnson's model, Frank Dance's Helical model, and other new models of communication.</li></ul>
	3	<b>Communication Theories</b> <ul style="list-style-type: none"><li>• <b>Sociological Theories:-</b> Cultivation, Agenda Setting, Uses and gratification, Dependency Theory.</li><li>• <b>Normative theories:</b> Authoritarian, Free Press theory, Social Responsibility theory, Communist Media theory, Development Communication theory. Democratic Participant Media Theory, Media Hegemony; Emerging perspectives in Communication Studies: Alternatives to the dominant and the classical. Political</li></ul>

		<p>economy perspective; Intercultural communication.</p> <ul style="list-style-type: none"> <li>• <b>Media Effect theories:</b> Magic Bullet theory, Limited -Effects; Psychological difference theory, personal influence theory</li> <li>• <b>Structuralism, Cultural Theory, Post Modernism, Feminist Media Theory</b></li> <li>• Indian theories of communication</li> </ul>
4	<b>Understanding Audience</b>	<ul style="list-style-type: none"> <li>• Audience Formation and Experience,</li> <li>• Audience as public, Audience as Market, Media Effect and Audience Media Content and Audience: Freedom and gate-keeping, Content production- cultural production, Standardization and Genres Issues: Bias, Representation, Commercialization</li> <li>• Analyzing media content: Range of methods</li> <li>• Media Convergence</li> </ul>
5	<b>Communication at the post- modern period</b>	<ul style="list-style-type: none"> <li>• Communication as power relationship, media as a source of new political power, Modernity and new political thought, Press and political leadership, Political communication in India: Post independence movements, Emergency, rise of regional parties, economic reforms.</li> <li>• Media organizations of the State and Central Governments, Press Council of India(PCI), Registrar of Newspapers in India(RNI), Central Board of Film Certification(CBFC) etc.</li> <li>• Media imperialism, Media in troubled times- War and Conflicts, Media, security and terrorism.</li> </ul>

### **First Semester; Paper- MMC 1045 : Basics of Journalism- Print Media**

End Semester Examination will of **3 Hours** duration with 80 marks;  
Internal Assessment (OMR based MCQ) will be of 20 Marks

#### **OBJECTIVES**

The course is designed to:

- Introduce the various aspects of Journalism.
- Introduce with the basics of reporting and editing for print media.
- Introduce the learners about the basic concepts of related knowledge of journalism with special emphasis on print media.

#### **LEARNING OUTCOMES**

After completion of this course, the learners will be able to:

- Discuss the basic journalistic style, types and functions for print media.
- Get an idea about the basics of reporting and editing for print media.
- Get an idea about the other related knowledge required for good reporting and editing.

## Course Outline

Paper Code	Unit	Subject Title / Contents of the Unit
		Basics of Journalism- Print Media
<b>MMC 1045</b>	1	<p><b>Basics and concept of News</b></p> <ul style="list-style-type: none"> <li>• Concept of news; Sources of News; News sense and nose for news; authenticity, objectivity</li> <li>• Different types of news; 5Ws and 1H; NEWS; Exclusive news; Breaking News; News flow; Dateline, credit line and By-line, Deadline;</li> <li>• News writing- Basics, structure and know how, Leads: different types of leads</li> <li>• Structure of a newspaper: Components and design</li> </ul>
	2	<p><b>Concept of reporting</b></p> <ul style="list-style-type: none"> <li>• Different types of reporting; Objective , Interpretative Investigative; Reporting beats;</li> <li>• Background research for reporting; Essentials of good reporting;</li> <li>• Responsibilities and liabilities of a news reporter; Qualities of a news reporter;</li> <li>• Difference in reporting for print and other mass media; Language of report writing; Inverted Pyramid and other styles;</li> </ul>
	3	<p><b>Basics of Editing</b></p> <ul style="list-style-type: none"> <li>• Concept of editing for print media; Meaning of editing; process and steps of editing for print media;</li> <li>• Newsroom setup; Editorial team and functions at each level;</li> <li>• Headlines- various types and language of headline. Art of Headline writing; Reference section;</li> <li>• Typesetting, layout and design, page makeup; supplements and special pages; Basics of Typography</li> <li>• Essential qualities and responsibilities of Editor</li> </ul>
	4	<p><b>Agency and photojournalism</b></p> <ul style="list-style-type: none"> <li>• News agency- purpose, function, structure and importance in mass communication; various services of news agency; syndicated services</li> <li>• Photojournalism as an integral part of news; Science and arts of Photography; Photo editing styles and software; caption writing,</li> </ul>
	5	<p><b>Practical:</b> The learners are suggested to contribute write ups to the newspapers, magazines or blogs on any relevant issue.</p>

## First Semester; Paper- MMC 1054 : Practical and Project

(For GUIDOL students, they will have to submit a report with their practical expertise gathered in the areas covered in Unit 1, 3 &4. A Viva Voce on the report submitted for claiming their expertise and involvement in the practical will be held in the GUIDOL after the end semester theory examinations. Detailed guidelines will be provided along in the SLMs )

End Semester Practical Examination (Report and Viva- Voce) will be of 100 marks;  
There will be no Internal Assessment (OMR based MCQ) for this Paper.

### OBJECTIVES

The course is designed to:

- Introduce the basics of reporting including the field reporting
- Introduce the learners to the art of journalistic writing and technical know how
- Introduce the basics of folk art and dissemination of messages through traditional folk media

### LEARNING OUTCOMES

After completion of this course, the learners will be able to:

- Develop the concept of writing news stories
- Determine on field applicability of news techniques
- Acquaint themselves with the technical skills required in news making

### Course Outline

Paper Code	Unit	Subject Title / Content of the Unit
		Practical and Project
MMC 1054	1	<b>Traditional Folk Media</b> Tools of Community Communication, Puppetry, Street Play, Folk performances, Wall Magazine, Mobile Communication, Community Meetings, Workshops, Modernisation of Traditional Folk media, Awareness campaigns.
	2	<b>Reporting and Editing</b> Reporting for GU Times/Lab Journal/Blogs, Editing for GU Times/ Lab journal/Blogs, Designing and Layout
	3	<b>Opinion Writing &amp; Photojournalism</b> Letters to the Editors, Feature, Article, blog, photo feature, writing Photo caption and catch line, News Photography, Book Reviews, Film Reviews.
	4	<b>Technical Operations</b> Basics of Computer, Internet, DTP, MS Office, Pagemaker, Quark Express, Photoshop, CorelDraw.
	5	<b>Presentation and Viva Voce</b> Learners will present their collected report Portfolio on the practical assignments given with SLM and a Viva Voce will be conducted on that practical experiences.

**Course Structure**  
**Semester-II**  
**Master of Arts in Mass Communication**

MMC2015	Electronic Media
MMC2025	Advertising
MMC2035	Public Relations and Corporate Communication
MMC2045	Media Laws and Ethics
MMC2054	Practical and Internship

**Second Semester :: Paper MMC 2015 : Electronic Media**

**End Semester Examination will be of 3 hours duration with 80 Marks**

**Internal Assessment (OMR based MCQ) will be of 2 Hours duration with 20 Marks**

**Objectives of the study:**

1. To introduce the elements of electronic media
2. To discuss different dimensions of television and radio
3. To enumerate the elements of visual communication and studio know how

**Learning Outcomes**

1. Enhance the learners' knowledge on the functioning of Electronic media
2. Get an idea on the technical know-how of electronic media
3. Develop skills pertaining to electronic media

**Course Outline**

Paper Code	Unit	Subject Title / Content of the Unit
		Electronic Media
MMC 2015	1	<p><b>Introduction to Radio and Television</b> Growth and Development of Radio and Television, Various Committees associated with the journey, Concept of Public Service Broadcasting, Knowledge about Electromagnetic Spectrum, AM, FM, Community Radio, Internet Radio, HAM Radio etc. Evolution of television. History of Cinema and its role in the society; current trends.</p>
	2	<p><b>Programme Production</b> Phases of Production: Pre-production, Production and Post-production; Radio and Television programme Formats (Feature, Documentary, Talk Show, Interview etc.), Understanding various programmes and formats, Radio and Television copy, Advertisements in electronic media</p>
	3	<p><b>Studio Know how</b> Understanding Studio: Studio Management, Studio Floor, Role of Director, Editor, Set Designer, make-up artists Sound in Electronic Media and Types of Microphone Camera Function: Types of shots, Angles and movement of Camera, position of Camera, Shutter speed etc. Magic of Light: Outdoor and Indoor production; Voice Training and Art of Presentation</p>
	4	<p><b>Electronic Media News</b> Basics of Electronic News Gathering (ENG), Radio News: different bulletins, radio news reporting, editing, radio news reading/ presentation, different radio programmes on current affairs; Television news: basics of television news, news vs views, television news reporting, editing, packaging of news, news anchoring/ presentation, live talk shows, elements of news bulletin, new trends in television news.</p>

	5	<b>Ethics of Electronic Media Production</b> Duties and Responsibilities of Media persons ; Do's and Don'ts of Electronic media production ; Convergence with new media and its impact; Satellite Channels, TRP and BARC; Content Analysis of Electronic Media Programmes
--	---	--

## Second Semester; Paper- MMC 2025 : Advertising

**End Semester Examination will be of 3 hours duration with 80 Marks**

**Internal Assessment (OMR based MCQ) will be of 2 Hours duration with 20 Marks**

### Objectives:

1. To discuss the trends of advertising
2. To introduce the creative elements of ad-making
3. To analyse the different concepts of branding in modern times

### Learning Outcomes

1. Acquaint with the different aspects of advertising
2. Familiarise with the tools and terms associated with ad making
3. Enhance skills required in effective promotion of products

### Course Outline

Paper Code	Unit	Subject Title / Content of the Unit
		Advertising
MMC 1015	1	<b>Introduction to Advertising</b> – Understanding Advertising, Characteristics, Needs, Functions and Classification of Advertising, Elements of Advertising-Headline, Picture, Logo, Slogan, Body, Tagline etc.; Advertising Spots and Jngles, Difference between Advertising and Publicity, Marketing Communication and Propaganda, relevance of advertising in the marketing mix, Theories of Advertising –Stimulus Response Theory, Starch Model, AIDA, AIDCA, DAGMAR approach.
	2	<b>Creative Strategy and Media Planning</b> USP, Appeals in Advertising, Ad Strategy, Idea generation, Copywriting, Copywriting for different media, language, kinds of layout (Thumbnail, rough and comprehensive) and design principles, use of colour in design, kinds of copy. Differences of Advertising for various media, indoor and outdoor, Impact of advertising; Media Planning - Factors influencing Media Planning - Media Strategy, Media Scheduling, Media Mapping and advertising campaigns, monitoring and evaluation.
	3	<b>Advertising Agency and Advertising Media</b> Advertising Agency, It's organizational structure, types of Ad Agencies and functions of the various departments of an Ad Agency, the Current status of Ad Agencies in the World Perspective and Indian Perspective, AAI, DAVP, DIPR Internet and social media Advertising, marketing, blogging and its current status, Market research and audience research
	4	<b>Brand Building and Advertising Management</b> –Concept and definition of Brands, Brand Image, Brand Management, Elements in a Marketing Plan-Market mix, Ad. Budget, Pre-budget thinking, Production and cost analysis.
	5	<b>Legal and Ethical Issues in Advertising</b> - Legal Aspects of Advertising,



		Laws and Acts concerning Advertising, ASCI and Advertising Ethics-Codes and Guidelines of Advertising; New trends, Importance of self regulation in advertising.
--	--	--

## Second Semester; Paper- MMC 2035: Public Relations and Corporate Communication

End Semester Examination will be of 3 hours duration with 80 Marks

Internal Assessment (OMR based MCQ) will be of 2 Hours duration with 20 Marks

### Objectives of the study

1. To introduce the elements of public relations
2. To enhance the understanding on different types and circumstance associated with public relations
3. To felicitate PR industry and academic interactions

### Learning Outcomes

1. Apprise the learners with the concepts of Public Relations and Corporate Communication
2. Improve the relationship building skills from an industry perspective
3. Develop the existing notions on PR from an academic and industry perspective

### Course Outline

Paper Code	Unit	Subject Title / Content of the Unit
		Public Relations and Corporate Communication
MMC 2035	1	<b>Understanding Public Relations</b> Concept of Public Relations, History and Evolution of public relations as a profession (Global and Indian perspectives), Increasing importance of PR, Target Audience and Publics of PR – Internal, External, PR vis-à-vis Advertising, propaganda, publicity, campaigns, promotion, PR organizations- IPRA, PRSI, PRCI etc.,
	2	<b>Strategies, Processes and Practice of Public Relations</b> PR Plan- environment study, developing communication plan, implementing communication plan, impact evaluation. Scope and concept of PR in modern management system, PR in public & private sector, New roles & strategies of PR, Interface of PR with various management disciplines (human resource development, finance, marketing, law etc.)
	3	<b>PR Skills and Applications</b> Communication Skills: (PR tools) House Journal, Bulletin Boards, Rejoinder, Backgrounder, Open House, Video Magazine, Media Release, Media Note, Digital Skills: New trends in PR, digital platforms, Social Media, e-tools of PR, alternate media. Organising Skills: Press Conference, Meet the Press, Press Briefing, Negotiating Skills: media relations, employer-employee relations, Customer Relations, Client Servicing Qualities of a good PR person, Functions and responsibilities of PR practitioner.
	4	<b>Understanding Corporate Communication:</b> Corporate communication- concept and scope; Corporate identity, corporate image, Reputation, Imperatives of Reputation management, Image repair theory; spin doctoring, lobbying, corporate advertising, Community Relations and Corporate Social Responsibility (CSR), Crisis management: plan for crisis preparedness, response, media handling,

		media confronting.
	5	<b>Practice and challenges of PR &amp; CC:</b> Event management, organising an event, Legal, Ethical issues and emerging Trends in PR and Corporate Communication, IPRA Code of Ethics, PRSI Code and Ethics.

## Second Semester; Paper- MMC 2045: Media Laws and Ethics

**End Semester Examination will be of 3 hours duration with 80 Marks**

**Internal Assessment (OMR based MCQ) will be of 2 Hours duration with 20 Marks**

### Objectives of the study

1. To introduce media and journalistic laws
2. To apprise the learners with the ethical issues of journalism
3. To correlate laws with current media scenario

### Learning outcomes

1. Familiarise with the Indian legal system from the pretext of media personnel
2. Establishing relations between the Governance and the existing media laws
3. Develop the understanding on media laws, rights and duties

### Course Outline

Paper Code	Unit	Subject Title / Content of the Unit
		Media Laws and Ethics
MMC 2035	1	<b>Media laws-I</b> History of press laws in India; Contempt of Courts Act 1971, Civil and Criminal Law of Defamation- libel, slander and malign, Relevant provisions of Indian Penal Code with reference to sedition, crime against women and children; Laws dealing with Obscenity; Right to Information Act, 2005; Press and Registration of Books Act 1867, Working Journalists' and other newspapers employees' (Conditions of Services and Miscellaneous Provisions) Act, 1955, Young Persons and Harmful Publications Act, 1956.
	2	<b>Media laws-II</b> Cinematograph Act, 1952; Press Council of India Act, 1965, Prasar Bharati Act;, Guidelines for TV content, Media and Public Interest Litigation, Cable TV Networks Regulation Act, 1995, Information Technology Act, 2005, Copyright Act, 1957 and plagiarism, Copy left issues- Concept of Open Educational Resources (OER) and Open Media Resources (OMR)
	3	<b>Media Ethics</b> Freedom of Speech and expression, Privacy issues, right to reply, communal writing and sensational reporting, yellow journalism; Press Council of India Codes and press ombudsmen; Freebies, bias, coloured reports, Paid Journalism, Election Commission of India guidelines for media, Government and media ethics, Ethical reporting on Children and Women, Proposed Media Council, Accountability and Independence of Media, CBFC and film certifications
	4	<b>International Rights and Media</b> Human Rights Laws (Human Rights Act, 1993) and Universal Declarations, UNCRC, Geneva Convention, International Humanitarian Laws and Conflict Reporting, challenges and safety measures of media personnel, embedded journalism, parachute reporting.

	5	Practical : Studying different cases violating the laws and ethics by media and vice-versa.
--	---	--

## Second Semester; Paper- MMC 2054: Practical & Internship/ Project

(For GUIDOL students, they will have to submit the report with their practical expertise gathered in the areas covered in unit 1, 2, 3 and 4. A viva Voce on the report submitted for claiming their expertise and involvement in the practical will be held in GUIDOL after end semester theory examinations. Practical (Report) and viva voce will be of 60 marks.

Internship /Project Assessment will be of 40 marks. )

### OBJECTIVES

The course is designed to:

- Introduce the basics of radio and tv reporting including the field reporting
- Introduce the learners to the art of ad-making and technical know how
- Introduce the basics of public relations, event management & corporate communication

### LEARNING OUTCOMES

After completion of this course, the learners will be able to:

- Develop the production skills of radio and tv programmes, including news
- Determine the on field applicability of news techniques
- Acquaint themselves with the technical skills required in ad-making and PR management.

### Course Outline

Paper Code	Unit	Subject Title / Content of the Unit
		Practical
MMC 1054	1	<b>Electronic Media</b> Production of radio programmes using different formats, radio news bulletin- major, minor and headlines; television programme production, television news, production of Lab video magazine
	2	<b>Reporting, Editing, Opinion Writing &amp; Photojournalism</b> Reporting and Editing for lab journals, Designing, Layout, Letters to the Editors, Feature, Article, Blogs, photo feature, writing caption and catch line, News Photography, rewriting and translation.
	3	<b>Advertising</b> Preparation of Advertisement copy for print media, Radio and Television, Preparation of Advertising Jingles and spots for Radio and Television, Preparation of a marketing strategy of to be launched products or services, Study and analysis of various advertisements of Print media, radio, TV and internet along with report preparation.
	4	<b>Public Relations</b> Visit to various PR departments/ firms and other corporate organisations, study their organisational structure with report submission. Organise and manage student events, organise press conferences, prepare media releases, media monitoring etc.
	5	<b>Presentation and Viva Voce</b> Viva Voce and Portfolio

**Course Structure**  
**Semester-III**  
**Master of Arts in Mass Communication**

MMC3016	Film Studies
MMC3024	Media and Communication Research
MMC3035	Specialisation-I (ICT and Educational Media-I)
MMC3045	Specialisation-II (ICT and Educational Media –II)
MMC3054	Practical and Portfolio

**Third Semester; Paper- MMC3016: Film Studies**

End Semester Examination will of **3 Hours** duration with 80 marks;  
Internal Assessment (OMR based MCQ) will be of 20 Marks

**OBJECTIVES**

The course is designed to help the learners:

- Understand the basics and the language of film study
  - Analyse film movements in the world that shape the industry
- Discuss the aspects of film reading, analyzing and criticism

**LEARNING OUTCOMES**

After completion of this course, the learners will be able to:

- Learn the basics of film studies
- Learn the history and other important aspects of film studies

**Course Outline**

Paper Code	Unit	Subject Title / Content of the Unit
		Film Studies
<b>MMC 3016</b>	1	<p><b>Basics of Film study:</b> Cinema as mass media, Formats- Regular 8 mm, 16 mm, 35 mm, 70 mm, 3D, Animation, Digital etc.</p> <p><b>Film History:</b> The Beginning (Thomas Alva Edison, George Melies, Lumiere Brothers), Silent Films, Different Movements that shaped the history (German Expressionism, Russian Cinema, Italian neo-realism, French New Wave, Japanese Cinema, Indian New Wave, Third Cinema).</p> <p><b>Masters of Cinema:</b> Griffith, Orson Welles, Eisenstein, Pudovkin, Tarvosky, Satyajit Ray, Ritwik Ghatak, Kurosawa, Yasujiro Ozu, Ingmer Bergman, Antonioni, Vittorio De Sica, Federico Felini, Hitchcock, J. L. Godard, F. F. Coppola, Woody Allen etc.... and their Style of Presentation.</p>
	2	<p><b>Semiotics and cinema:</b> Signs, syntax, codes, misc en scene, sound, Film analysis, film language.</p> <p><b>Cinematic Storytelling:</b> Narrative – Fictional and Non-Fictional, Structural elements of Narrative, Story and Plot.</p>

	3	<p><b>Film Genres</b> : Musicals, Film Noir, Westerns, Romantic, Horror, Comedy, Animation, Crossover Films, Third world cinema</p> <p><b>Documentary Films-</b> Difference with fiction films, Types. History and status of Documentary Films in India</p>
	4	<p><b>National Cinema</b> –Indian Melodrama, Film and Ideology, Stars, Studio systems, Film and gender, class, caste and Religion and Indian society.</p> <p><b>Presentation and Training in Filmmaking-</b> NDFC, FTII, SRFTI, JCFTI, Film Festival Directorate of India, Children's Film Society of India, National and State-level Awards for films, National Film Archives of India, Films Division etc. <b>Film Censorship,</b></p>
	4	<p><b>Film theories</b> : Realism, Auteur theory, Montage, Psychoanalysis, feminist model of film criticism, Cognitive model</p> <p><b>The Techniques</b> Stages in Film Production, Ideation to Post-Production Screenplay writing, Basics of cinematography, Editing,</p>
	5	<p><b>Cinema of North East with reference to Assam:</b> Growth and Development of cinema IN North- East. Study and Analysis of a few Prominent Film Makers of the Region- Manipur and Assam- Bhabendra Nath Saikia, Jahnu Barua (Mridu), Aribam Shyam Sharma, Films- Joymoti, Indramalati, Dr Bezbaruah, Bristi, Sandhyarag, Agnisnaan, Kolahal, Khagoroloi Bahu Door, Konikar Ramdhenu etc)</p> <p><b>Film Appreciation,</b> critical analysis and film review, Textual and Contextual analysis of films of different Genres</p>
	6	<p><b>Practical:</b> Learners are expected to do film criticism, publish film reviews, broadcast film related issues on radio including Radio Luit as practical</p>

### Third Semester; Paper- MMC 3024: Media and Communication Research

End Semester Examination will of **3 Hours** duration with 80 marks;

Internal Assessment (OMR based MCQ) will be of 2 Hours duration with 20 Marks

#### OBJECTIVES

The course is designed to:

- Introduce the basics of media research
- Define the areas and methods of data collection.
- Develop a scientific temperament as well as train them to analyse data

## LEARNING OUTCOMES

After completion of this course, the learners will be able to:

1. Develop their perception on media research
2. Define and introduce the changing trends in research methodology
3. Broaden their mindset on media studies

## Course Outline

Paper Code	Unit	Subject Title / Content of the Unit
		Media and Communication research
MMC3024	1	<b>Introduction to research</b> Meaning of research, Definition of research, Objectives of research, Importance of research, Types of research, Quantitative and Qualitative Research, Classification of research: Exploratory and Descriptive (Survey and observation), Hypothesis/ research question Research Design, Causal research design: experimentation, formation of objectives, Measurement and scaling, fundamentals and comparative scaling, Non comparative scaling technique
	2	<b>Communication Research</b> Meaning of communication research, Types of communication research, Importance of research in mass media, Elements of communication research, Role of computer in communication research, Areas of Communication Research- Print media research, Electronic media research, Advertising research, Public relation research, concept of precision journalism, info graphics
	3	<b>Research Methods</b> Survey research, Types of surveys, Advantage and disadvantages of survey, Public opinion survey, Pre election and Exit poll Content analysis, Meaning and definition of content analysis, Methods of content analysis, Limitations of content analysis Research Tools- Data and its types, Methods of Primary Data Collection, Observation, Interview, Questionnaire and schedules, Other Methods of data collection, Secondary data collection, Census and sample, Importance of Sampling, Sample designs, Sample size
	4.	<b>Analysis and interpretation</b> Data measurement techniques, Editing of data, Classification of data, Tabulation of data, Diagrammatic and graphic presentation, Hypothesis testing, Data interpretations, Report writing
	5	<b>Practical</b> The learners have to read different academic writings and write annotated reviews on a particular subject area on media and communication of their own interest. They have also to identify the research problems, formation of objectives on a selected topic.

## Third Semester; Paper- MMC 3035 : ICT and Educational Media-I; (Specialization for Open and Distance Learning Learners)

End Semester Examination will of **3 Hours** duration with 80 marks;

Internal Assessment (OMR based MCQ) will be of 2 Hours duration with 20 Marks

## OBJECTIVES

The course is designed to:

- Introduce to the learners the basic concept of ICT and its application in education.
- Introduced to the learners the basic concept of ODL and ICT applications.
- Introduce to the learners the basic concepts of Online education and ICT for PWDs.

## LEARNING OUTCOMES

After completion of this course, the learners will be able to:

- Discuss the overall scenario of ODL.
- Understand the relation and use of ICT in ODL and higher education..
- Explain the various aspects of ICT in education.

## Course Outline

Paper Code	Unit	Subject Title / Content of the Unit
		ICT in Education
MMC 3045	1	<b>Introduction to ICT</b> Concept and Meaning of ICT, characteristics and functions of ICT, history of ICT, various aspects of ICT, various applications of ICT in mass communication, current trends of ICT
	2	<b>ICT and Education</b> ICT as a tool of education and research in the contemporary period, role of ICT as a change agent for higher education, concept and meaning of e-learning portal, application of e-learning portal as a tool of education, e-books, e-journals and their applications, online databases such as DOAJ, Shodhganga, Jestor etc. and their applications, Smart classroom, virtual classrooms and their relevance in the contemporary period.
	3	<b>ICT in ODL</b> Concept, meaning and characteristics of Open and Distance Learning(ODL) and its relevance in the contemporary education scenario in the world, India and North East, application of ICT as a tool of ODL, e-learning materials, Self Learning Materials(SLMs) online SLMs and their needs, online examination systems in ODL and significance, Interactive Voice Response System (IVRS) and Bulk SMS and their significance in ODL, radio and television as tools of ODL, video conferencing, relevance of smart classrooms and virtual classrooms in ODL.
	4	<b>Online Education:</b> Concept, meaning ,characteristics and history of online education and its current status, significance of online education, Massive Open and Online Course(MOOC) and its significance
	5	<b>ICT for Person With Disabilities (PWDs) :</b> ICTs in education for people with special needs, <i>Insight</i> —ICT for persons with disabilities, ICT for students with disability, Disable friendly content creation, Challenges in the use of ICT for PWD.
	6	<b>Practical:</b> The learners will have to browse various online materials and data base. Also the learners have to observe the various student support services in different ODL institutes.

**Third Semester; Paper- MMC 3045: ICT & Educational Media-II;  
(Specialization for Open and Distance Learning Learners)**

End Semester Examination will of **3 Hours** duration with 80 marks;  
Internal Assessment (OMR based MCQ) will be of 2 Hours duration with 20 Marks

**OBJECTIVES**

The course is designed to:

- Introduce to the learners the basic concepts of educational media and functions.
- Introduce to the learners the basic concepts of community media.
- Acquaint the learners about production in educational media.

**LEARNING OUTCOMES**

After completion of this course, the learners will be able to:

- Know about the overall educational media scenario.
- Explain the use of community media as a tool of ODL .
- Create the programme contents for educational and community media

**Course Outline**

Paper Code	Unit	Subject Title / Content of the Unit
		Educational Media (5 Credits)
MMC 3045	1	<b>Educational Radio</b> Educational radio as a tool of higher education, extension education and ODL, Concept and Meaning of educational radio, characteristics, functions, growth and development of educational radio, types of educational programme formats, educational programmes in All India Radio and community radio, Case study of Gyan Vani.
	2	<b>Educational Television</b> Concept, characteristics and functions of educational television, its growth and development, types of educational television programmes and formats, Educational programmes of Doordarshan and other private channels, Case study- Gyan Darshan, Vyas, Ekalavya.
	3	<b>Community Media and education contents</b> Concept, meaning and characteristics of community media, growth and development of community media in the world and India, role of community media as a tool of higher education and ODL, the contents of community media and their relevance in education, different programme formats of community media, local media vs. community media, Open Educational Resources(OER) and ODL, content exchange platforms- EDAA, Manch
	4	<b>Production in Educational Media</b> Various aspects of the educational media production: video production, audio production, audio- visual production, techniques of instructional media production.
	5	<b>Practical</b> : Learners will visit various educational and community media and observe their functions and programmes.



**Third Semester;**  
**Paper- MMC3054: Practical and Portfolio**

Assessment will be done for Practical on the specialisation and Portfolio;

**OBJECTIVES**

The course is designed to:

- Introduce the learners to industry specific skills.
- Provide hands on training on the specialized areas.
- Acquaint the learners with the workings of the media and communication sector

**LEARNING OUTCOMES**

After completion of this course, the learners will be able to:

- Develop command over specialized areas
- Get an idea about the practical utility of the various aspects of their specialized area.
- Showcase their acquired skills in the field of communication

**Course Outline**

Paper Code	Unit	Subject Title / Content of the Unit
		Practical and Portfolio
MMC 4054	1	<b>Practical Assignment on the Specialisation</b> This practical portion of the paper is linked with the specialisation and carries 50 marks. The Practical assignment may be AV / Audio and Print project on the topics under the specialized subject.
	2	<b>Portfolio</b> The learners have to submit a portfolio to the GUIDOL for the partial fulfilment of their third semester examination. In the portfolio, the learners have to collect all their published material, non published materials, designed outputs and produced programmes (with evidences) to be submitted in a presentable manner. This portfolio carries 30 marks.
	3	<b>Viva of Specialisation</b> There will be a viva-voce on the practical assignment and the portfolio submitted by the learners. Viva voce will be taken by external and internal examiners for 20 marks.

**Course Structure**  
**Semester-IV**  
**Master of Arts in Mass Communication**

MMC4016	Alternative Media & Journalism
MMC4024	Communication for Development
MMC4034	Specialised Communication
MMC4044	Current Affairs and Communicative Language
MMC4056	Dissertation and Comprehensive Viva Voce

**Fourth Semester; Paper- MMC 4016: Alternative Media & Journalism**

End Semester Examination will be of **3 Hours** duration with 80 marks;  
Internal Assessment (OMR based MCQ) will be of 2 Hours duration with 20 Marks

**OBJECTIVES**

The course is designed to:

- Introduce various aspects of Alternative Media & Journalism.
- Highlight the emerging concepts and challenges of Alternative Media & Journalism .
- Introduce students about significance and usage of Alternative Media & Journalism .

**LEARNING OUTCOMES**

After completion of this course, the learners will be able to:

- Derive the concepts of Alternative Media & Journalism.
- Utilize Alternative Media tools for different developmental and promotional activities
- Comprehend the functionalities and challenges of Alternative Media & Journalism

**Course Outline**

Paper Code	Unit	Subject Title / Contents of the Unit
		Alternative Media and Journalism
MMC 4016	1	<p><b>Online Media &amp; Journalism</b></p> <p>Understanding web technology, Uploading news materials, fundamentals of internet: World Wide Web(www), Web 2.0, IP, web page, website, search engine, Software: Proprietary and Open source and free software and search engine optimisation working of internet: networking and its classifications. The Fundamentals of online news reporting.</p> <p>How to prepare a news report online? Ethics of news reporting, Elements of news reporting online, Creative Writing, Feature writing, Social media blogging, Media convergence, types of online journalism, lifestyle journalism, news based journalism, photo journalism, participatory journalism.</p>
	2	<p><b>Community Media &amp; Journalism</b></p> <p>Introduction to Community Media, Definitions, Characteristics of Community Media (DOLPHIN), functions of community media, community media for community development. Concept of Community Newspapers, Growth and development of community newspapers in India with reference to Assam,</p> <p>Community journalism, community reporting, editing, publishing and</p>

	<p>circulation of community newspapers, periodicity of publication. Concept of Community Video and Radio, Growth and development of community video in the world with reference to India, Community Video programmes and content generation, community video production, projection and exhibition, community television, technology concerns for community television and video. Growth and development of community radio in the world with reference to India and North East, Community radio programmes and content generation, community radio production, projection and exhibition, technology concerns for community radio.</p>
3	<p><b>Photography &amp; Photojournalism</b></p> <p>Concept of photojournalism, Qualities and responsibilities of a photo journalist, Photo Journalism across the globe, Impact of photo Journalism, Development journalism through photography, Understanding news photography, wildlife photography, fashion photography, studio photography, candid photography, travel and lifestyle photography, sports photography etc.</p> <p>Developing photo captions and catch lines, Writing and Editing Captions for Still Photography, the Five W's and One H, Accuracy, Spelling, Edit the Captions, creative writing, photo features, picture story</p>
4	<p><b>Traditional &amp; Folk Media</b></p> <p>Traditional and Folk Communication—Concept and History, Introduction to Folk Media and Traditional Media, Different Forms of Traditional Communication across India with reference to North East, Folk art and Folk Culture, Folk Art as a means of Communication, Rejuvenating traditional forms of media; Puppetry, Street Play,</p> <p>Traditional and folk media as a tool Social and Behavioural Change Communication</p>
5	<p><b>Practical</b>—The learners are suggested to get engaged in community media of various forms, contribute on blogs or any online form of media, photography and acquaint themselves about the different traditional forms of communication across the country</p>

#### Fourth Semester

#### MMC4024 : Communication for Development (C4D)

End Semester Examination will be of **3 Hours** duration with 80 marks;

Internal Assessment (OMR based MCQ) will be of 20 Marks

#### OBJECTIVES

The course is designed to:

- Introduce the innovative approaches to C4D concepts, processes and practices
- To cater the growing demand for communication experts to work on development sector

- To upgrade human resource with specialised knowledge and skills on communication for social and behaviour change.

## LEARNING OUTCOMES

After completion of this course, the learners will be able to:

- Develop skills on carrying out research, content design, implementation, monitoring & evaluation of C4D interventions
- Decipher the significance of knowledge base of theories around development, behaviour change, social transformation and; human rights principles.
- Get an exposure to techniques of designing and developing effective C4D strategies, interventions for social transformation.

## Course Outline

Paper Code	Unit	Subject Title / Contents of the Unit
		Communication For Development (C4D)
MMC 4024	1	<p><b>Development Communication</b>  Meaning, concept, and approaches to development; Dominant paradigm of development, Social, cultural, and political perspectives in development; Diffusion of innovation  Communication for development, Role of media in development, Communication for nation building;  Need and significance of participatory communication, different approaches and levels of participation,  Concept of development journalism, Role and importance of development journalism-national and international perspectives</p>
	2	<p><b>Developmental Issues and Media Dynamics</b>  Social issues of sex and gender, Gender and empowerment – perspectives and opportunities, Inculcating scientific temper and issues like Witch Hunting, Climate change and disaster risk preparedness, Environment and Development  Social conflicts, repercussion of conflicts on children, women, and old. Problems of human trafficking, sex workers, domestic workers, rural-urban migration  Regional, National and International health priorities and policies, Health communication strategies, Advocacy and social mobilization for health awareness, Health challenges in the north eastern region such as problem of high maternal mortality ratio.</p>
	3	<p><b>Community Communication</b>  Concept of Community, Community Centres and C3, traditional and folk media for development,  Radio as a tool of communication, Origin, Concept, Philosophy and Policy of Community Radio (CR), CR as an alternative mass medium, CRS in South Asia, Role of CR in development,  Tools and techniques of community video (CV), Significance of CV in Development, Indian experiences  ICT for Development and its societal implications; participatory culture and ICT, community informatics</p>
	4	<p><b>C4D Process</b>  Research, Formulation of research problem, review of literature, research design, Qualitative and Quantitative Research Methods;  Planning for long term strategy- communication objective setting, stakeholder/ target audience mapping, Message strategy- Content Design, treatment of content; understanding culture in communication (social norms, beliefs and attitudes), Community mobilisation, Advocacy in development communication, media selection and media mapping; Implementation design, Monitoring and evaluation: processes and practice</p>
	5	<p><b>C4D: Practice</b>  The learners will observe and participate in communication strategy based on mid-media (Street Play, Puppet show etc.) as well as produce radio or video programmes on any Contemporary Development Issue.</p>

**Fourth Semester**  
**MMC 4034: Specialised Communications**

End Semester Examination will be of **3 Hours** duration with 80 marks;  
 Internal Assessment (OMR based MCQ) will be of 20 Marks

**OBJECTIVES**

The course is designed to:

- Introduce the learners to various fields of communication.
- Familiarize the learners with various types of reporting.
- Enumerate the basics of media management.

**LEARNING OUTCOMES**

After completion of this course, the students will be able to:

- Develop skills on various types of specialised communication.
- Decipher the significance of science communication, corporate communication, cultural communication and sports journalism.
- Get an idea on the organizational structure of the media establishments with its functionalities

**Course Outline**

Paper Code	Unit	Subject Title / Contents of the Unit
MMC 4034		<b>Specialized Communication</b>
	1	<p><b>Science Communication</b></p> <p>Basic understanding of science and technology communication, need and significance, historical background, inculcating scientific temperament, science popularisation, Role of media in creating scientific temper in society, important tenants of science writing, Knowledge about scientific experiments in the country: SITE Experiment, Kheda Project, Chambal Project, Agricultural extension programmes etc. Science coverage in Indian media, science literature- fiction and non-fiction, science films, science through radio and television, science through traditional folk media, science reporting, writing and content generation, translation in science communication.</p>
	2	<p><b>Political Communication</b></p> <p>The Changing Role of Media in Democracy, Media Influencing Politics and vice versa, Political Communication’s effects on the public: Agenda Setting &amp; Priming and Framing, Media’s role in Diplomacy and conflict, Embedded journalism, News Coverage during elections, Political Marketing &amp; PR, Emotions in Politics, Populism, International relations, covering parliamentary sessions, Trial by Media, media activism with special reference to role of social media and community media for social change, media manipulation, media lobbying, intolerance.</p>
	3	<p><b>Cultural Communication</b></p> <p>Cultural demography, culture and sustainability, culture and tradition, understanding various aspects of Indian Culture and their scope, popular culture. Oral literature, material culture, performing arts. Origin and development of art forms and their contemporary status. Current scenario of cultural reporting, cross cultural communication, cultural impact and imperialism. Cultural reporting, criticism and appreciation. Styles of writing for different forms, requirements and expectations from culture reporters. Students’ presentation on different cultural forms.</p>
	4	<p><b>Sports Communication</b></p> <p>Need and significance of sports journalism, understanding sports diplomacy, introducing various types of sports in the world with special reference to North East India, various sports events, sports associations and federations, Basic</p>

		rules of some major sports Sports channels, newspaper and magazines. Sports marketing and PR, Differences and similarities with other reporting; Do's and don'ts; Sports features and photography; Post-match interviews, special interviews. Sports writing for print, radio, TV, online and multi-media; Radio commentaries; Live telecast, Sportscast, Web commentaries, News alerts for mobiles; Fanzines, Match-day magazines, Sports books, Sports blogs. Writing from press releases. Importance of knowing and understanding a game, research and background information
	5	<b>Business Communication and Media Management</b> The Nature of Business Communication, Types of Business Communication, business channels, magazines, newspaper; Business communication skills: Listening, Writing and spoken, General Principles and guidelines Business Communication, Report writing, Writing Memos, Circulars, Notices and Applications. Developing Oral Business Communication Skills, Covering business promotion.

#### Fourth Semester

#### MMC 4044: Current Affairs and Communicative Language

End Semester Examination will be of **3 Hours** duration with 80 marks;

Internal Assessment (OMR based MCQ) will be of 20 Marks

#### OBJECTIVES

The course is designed to:

- Introduce relevant topics of current affairs.
- Familiarize the learners with major issues and events of political and social importance.
- Enumerate the ways to improve their communicative skills.

#### LEARNING OUTCOMES

After completion of this course, the learners will be able to:

- Improve their knowledge on the current issues
- Develop expertise on communicative skills.
- Inculcate professionalism and personality development traits

#### Course Outline

Paper Code	Part	Subject Title / Contents of the Unit
MMC 4044	A	<b>Specialized Communication</b> <b>Current Affairs</b> There will be no specific topic for the first half of this paper - Current Affairs. Teachers / Counsellors will identify some important topics and happenings at international, national and especially in the regional level in the fields of politics, socio-economy, sports and their relationship.  Learners must keep themselves abreast of the current developments and happenings in the state, north- eastern region, national and international arena. Any issue of significance at these levels whether directly or indirectly related must be discussed.  They would be advised to regularly keep reading the current affairs newsmagazines like <i>Yojana</i> , <i>Kurukshetra</i> , <i>Frontline</i> , <i>India today</i> , <i>The week</i> , <i>Outlook etc.</i>
	B	<b>Communicative Language</b> <b>Assessment 1.</b> Learners will be expected to show their knowledge of everyday

		<p>vocabulary and the assessor has to check for speaking skills.</p> <p>Learners have to display their knowledge of verbs and adverbs.</p> <p><b>Assessment 2.</b></p> <ol style="list-style-type: none"> <li>1. <b>Book review:</b> Assess a book, list out a few words from the book and review the book</li> <li>2. <b>Letter Writing:</b> Learners will have to write a letter to an organization offering their voluntary/ services for a month long duration and write applications.</li> <li>3. <b>Presentation:</b> Learners have to prepare Power Point presentations on any relevant topic and present in the classes.</li> </ol> <p><b>Assesment 3</b></p> <ol style="list-style-type: none"> <li>1. For this assessment task, learners are required to complete and provide evidence of how they have maintained a weekly journal stating daily activities adhering to tense forms and new vocabulary they have learnt.</li> </ol> <p><b>For the ODL learners : The ODL learners have to mandatorily submit minimum of two book reviews, two film reviews, two published articles or upload two blog write-ups on any relevant topic.</b></p>
	C	<p><b>Internal Evaluation</b> For ODL learners, the internal assessment will be calculated on the basis of the OMR based MCQ examinations to be held every semester.</p>

## Paper- MMC 4056 : Dissertation and Comprehensive Viva-voce

Assessment will be done for Dissertation preparation for 70 Marks and Viva-Voce for 30 Marks;

### OBJECTIVES

The course is designed to:

- Introduce the learners to Elements and Methods of Mass Communication research.
- Introduce the basics of Research and Mass Communication Research areas.
- Introduce learners about the use of Communication research in the mass communication process

### LEARNING OUTCOMES

After completion of this course, the learners will be able to:

- Select, design and prepare a research
- Get an idea about the various areas of mass communication research.
- Get an idea how the research can be used in mass communication process

### Course Outline

Paper Code	Unit	Subject Title / Content of the Unit
		Dissertation and Comprehensive viva voce
MMC 4056	1	<p><b>Topic selection and methodology</b> Selection of topic; Pilot study for the validation of the topic; Methodology for the research</p>
	2	<p><b>Report writing</b> Writing styles for dissertation; APA, MLA; Software for report writing – MS-Word, Page Maker, Photoshop, MS-Excel and other softwares for data analysis</p>

	4	<p><b>Viva Voce</b> There will be a viva voce on the dissertation topic, research methodology and overall course content. Viva voce will be taken by external and internal examiners.</p>
--	---	---

## Annexure

### USEFUL LINKS FOR MA IN MASS COMMUNICATION STUDENTS

#### Indian Media Bodies

National Film Development Corporation (NFDC): <http://www.nfdcindia.com/>  
 Film and Television Institute of India (FTII): <http://www.ftiindia.com/>  
 Central Board of Film Certification: <http://cbfcindia.gov.in/>  
 Film Division of India (FDI): <http://filmsdivision.org/>  
 Children's Film Society (CFSI): <http://cfsindia.org/>  
 Directorate of Film Festivals: <http://dff.nic.in/>  
 Press Information Bureau: <http://pib.nic.in/newsite/mainpage.aspx>  
 Press Council of India: <http://presscouncil.nic.in/>  
 All-India Newspaper Editors' Conference (AINEC)  
 Editors' Guild of India: <https://editorsguildofindia.org/in-the-media/>  
 Registrar of Newspaper for India (RNI): <http://rni.nic.in/>  
 Indian Languages Newspapers Association (ILNA)  
 Indian Newspaper Society (INS)  
 Press Institute of India: <http://www.pressinstitute.in/>

#### International Journalists Union:

Society of professional journalists: <https://www.spj.org/>  
 International Federation of Journalists: <http://www.ifj.org/>  
 International Association of Journalists: <http://www.journalist-association.eu/>  
 International Consortium of Investigative Journalists: <https://www.icij.org/>  
 Committee to protect Journalists: <https://www.cpj.org/>  
 International Association of Independent Journalists: <http://www.iaij.org/>  
 Association of European Journalists: <http://www.aej.org/>  
 International Association of Press Clubs: <http://pressclubs.org/>  
 International Association of Literary Journalism Studies: <http://ialjs.org/>  
 International Women's Media Foundation: <https://www.iwmf.org/>  
 World Federation of Science Journalists: <http://www.wfsj.org/about/>  
 European Federation of Journalists: <http://europeanjournalists.org/>

#### Indian Journalists Association

India Journalists Union: <http://indianjournalistsunion.org/>  
 Journalists Union of Assam:  
 Delhi Union of Journalists:  
 National Union of Journalists  
 All Assam Newspaper Employees Federation  
 National Union of Journalists: <http://www.nujindia.com/>  
 Journalists Association of India: <http://www.jaoi.org/>  
 India Federation of Working Journalists: <http://ifwj.in/>  
 All India Freelance Journalists Association: <http://www.journalistsindia.com/>  
 Journalists Federation of India: <http://www.jfoi.org/>  
 Newspaper Association of India: <http://naiindia.com/member.html>  
 All India Newspaper Employee Federation: <http://ainef.blogspot.in/>



## **Media Research Bodies**

Audit Bureau of Circulation: <http://www.auditbureau.org/>

TAM Media Research: <http://www.tamindia.com/>

Indian Readership Survey:

Press Institute of India: <http://www.pressinstitute.in/>

CMSIndia: <http://www.cmsindia.org/>

Broadcast Audience Research Council) India: <http://www.barcindia.co.in/index.aspx>

## **Important Media Agencies:**

Press Trust of India (PTI): <http://www.ptinews.com/>

United News of India (UNI): <http://www.uniindia.com/>

Associated Press (AP): <http://www.ap.org/>

Reuters: <http://in.reuters.com/>

Agence France Presse (AFP): <https://www.afp.com/en>

Community Radio Management Information System:

<http://www.cronlineindia.net/defaultEng.asp?>

World Association of Community Radio Broadcasters: <http://www.amarc.org/>

**ACADEMIC CALENDAR**  
**Gauhati University Institute of Distance and Open Learning**  
**Guwahati- 781014, Assam**

<b>ADMISSION</b>			
<b>SEMESTER (TRADITIONAL PROGRAMME)</b>			
A	1	Fresh	July-September
	2	Continuation	July-September
<b>SEMESTER (IT PROGRAMMES)</b>			
B	1	Fresh	July-September
	2	Continuation	Odd Semester (July-September)
			Even Semester (January-February)
<b>ADMISSION TEST FOR M.Sc. IT PROGRAMME</b>			
C	August		
<b>ANNUAL PROGRAMMES</b>			
D	1	Fresh	July-September
	2	Continuation	July-September
<b>DISTRIBUTION OF SLM</b>			
<b>SEMESTER/ANNUAL (TRADITIONAL PROGRAMMES)</b>			
A	1	Fresh	July-October
	2	Continuation	July-October
<b>SEMESTER (IT PROGRAMMES)</b>			
B	1	Odd Semester	July-October
	2	Even Semester	Jan-March
<b>CONTACT CLASSES</b>			
<b>SEMESTER (TRADITIONAL PROGRAMMES)</b>			
A	1	Odd Semester	September-December
	2	Even Semester	March-June
<b>SEMESTER (IT PROGRAMMES)</b>			
B	1	Odd Semester	September-December
	2	Even Semester	March-June
<b>ANNUAL PROGRAMME</b>			
C	1	Previous	December-May
	2	Final	December-May
<b>EXAMINATION : TERM END</b>			
<b>SEMESTER (TRADITIONAL/IT)</b>			
A	1	Previous	July-August (All Sundays)
	2	Final	July-August (All Sundays)
<b>ANNUAL</b>			
August-September (All Sundays)			
B	<i>Schedule may change as per directive of the controller of Examination, GU/Govt. of Assam</i>		

<b>EXAMINATION: Sessional (OMR based Internal Examination)</b>			
A	<b>SEMESTER (TRADITIOAN/IT)</b>		
	1	Odd Semester	November
	2	Even Semester	May
<b>ANNUAL</b>			
January			
<b>DECLARATION OF RESULT (Term End)</b>			
<b>SEMESTER (TRADITIONAL/IT)</b>			
A	1	Odd Semester	May-June
	2	Even Semester	November-December
B	<b>ANNUAL</b>		
	Januray		

**GAUHATI UNIVERSITY  
INSTITUTE OF DISTANCE AND OPEN LEARNING**

**Programme Project Report**

PPR ID : GU/GUIDOL/PPR/06 (Total no. pages : 38 )

**Programme: Masters of Arts in Mathematics /Master of Science in  
Mathematics**

**1. Programme mission and objective:**

The mission of the Programme to be launched is *"to cater to the need of higher education in mathematics and to widen the periphery of education and application in mathematics."*

***Objectives of the Programme:***

- *to promote higher education and research in the field of pure and applied Mathematics,*
- *to enhance and develop their knowledge and understanding on the theoretical and practical foundations of Mathematics as a subject.*
- *to nurture the finest talents in Mathematics and capacitate them with high level of professional competence,*
- *to create resources in the field of mathematics to contribute in the different fields of applied science,*
- *to think critically and to aid in decision-making*
- *to generate competent and well-educated man-power for the teaching profession as well as manning positions of research associates in public/private sector academic and research institutions.*

**2. Relevance of the programme with HET's mission and goals:**

Gauhati University was established in 1948 with a mission to revitalize educational leadership, to set the standard for the production and dissemination of knowledge as well as to become an effective instrument of change in the society. With this aim in view, the Department of Mathematics was established in 1948 and has set up, over the years, a close association with formal and informal organizations in the field of educational

research & development which give opportunity to the students to acquire practical knowledge and ideas.

Keeping in view the motto of “*Quality Higher Education For All*” Masters of Arts in Mathematics and Master of Science in Mathematics to be offered through ODL mode is very much relevant to the HEI’s mission and goals as it aims to provide quality higher education in field of Mathematics to those aspiring candidates who are deprived of higher education due to the limited number of intake in the conventional mode of education in the Universities. Moreover, to keep the quality intact, the curriculum and syllabus is designed at par with the conventional mode, keeping in mind the specific needs and acceptability of the learners in the ODL mode and in keeping with the aims and objectives of the parent department.

**3. Nature and target group of learners:** Our target group includes-

- *those deprived of admission in the parent department of regular mode due to limited intake capacity,*
- *those employed in various organizations who desire to pursue higher education as a passion or as a mean for movement up the promotional ladder,*
- *drop outs primarily due to social , financial and economic compulsions as well as demographic factors,*
- *job seekers,*

Gauhati University also has a provision in the ODL mode for lateral entry for those who had to discontinue the regular programme after successful completion of the first two semesters due to unavoidable reasons. Acceptability of the lateral entry provision is an indicator of parity of the courses in regular and distance mode. The curriculum is designed to enable learners to fulfill their aims and objectives in a manner they deem fit and proper. The curriculum is designed by a committee comprising of experts from the Department of the University, external experts and teachers of Gauhati University Institute of Distance and Open Learning (GUIDOL), keeping in view the needs of the diverse group of learners.

**4. Appropriateness of the programme to be conducted in the ODL mode for acquiring specific skills and competence-** The programmes to be offered through ODL mode will have certain learning outcomes. The programmes will help the learners

- *to enhance and develop their knowledge and understanding on the theoretical and practical foundations of Mathematics as a subject in particular*
- *to create the knowledge of basic and advance concept of mathematics with its application in its allied fields*
- *to build knowledge of the different analytical tools based on mathematical concepts for relating mathematics and application of mathematics in the different fields of science for scientific enhancement and support*
- *to commit to action that demonstrates care for others*

## 5. **Instructional Design:**

- a) **Curriculum Design:** The curriculum is designed by a committee comprising of experts from the parent department of the University, GUIDOL, keeping in view the needs of the diverse group of learners. Apart from theoretical component, the syllabus emphasizes on practical exposure of students to different fundamental programming languages of Computer Science. This is included in the course content of this programme.
- b) **Detailed Syllabus:** Enclosed (*Enclosure I*) .
- c) **Duration of the Program:** Minimum 2 (two) years. However, the learners are required to complete the programme within 4 (four) years from the date of admission.
- d) **Instructional Delivery Mechanism:** The programme will be delivered in 4 (four) semesters having 5(five) courses/papers in each semester and also with the opportunity to choose optional courses offered. The learners will be provided with the printed SLMs which cover almost all the contents in the syllabus (*enclosure-III*). Counselling sessions will be held in the headquarter and various affiliated study centres. Telephonic Counselling and providing online learning resources will also be a part of the instructional Delivery mechanism. The progress of the learners will be evaluated by Internal Assessment and Term end/semester end exam.
- e) **Faculty:**
  1. Prof. Kuntala Patra, Department of Mathematics, Gauhati University nominated as Coordinator of the ODL programmes in Mathematics

2. The post of Academic Consultant in Mathematics has been advertised and recruitment to the post will soon be done.
3. Resource persons drawn from amongst teachers of affiliated colleges and faculty staff of the Department of the University.

f) **Media:** Print Media, ICT enabled content and e-Learning resources

g) **Student Support Service:** In order to successfully execute the programme, the Institute has a wide range of support services. The various support services are listed as below-

- i) **Network of Study Centres:** To assist its learners of the ODL mode the University has established 96 study centres throughout the State of Assam but within the territorial jurisdiction of Gauhati University.
- ii) **State of the art Library** with around 7 thousand collections of materials which includes books, journals, magazines, CD and DVDs.
- iii) **E- Learning Portal:** [www.bodhidroom.guidol.in](http://www.bodhidroom.guidol.in) the first of its kind in the entire North Eastern region of India. Which provides the following services to the students:

- Online enrolment of students
- Independent Discussion Forum for every course
- Independent News Forum for every course
- Online interaction facility with faculty members
- Online interaction between the students making the scope of collaborative learning
- Interaction through chatting of all users of all courses who are online.
- Separate Chat Room for individual course
- **Message My Teacher:** When a student logs in to Bodhidroom, after enrolling himself/herself to a course, he/she will see the names of the virtual class teachers. Student can directly send offline messages to the teachers. When the teacher is logged on, he will receive an alert of incoming messages. Then he can reply to the message.
- Online Study Material
- Old Examination Question Papers

(iv) **Dynamic Website** Gauhati University has a dedicated dynamic website for ODL learners where one can get all the informations regarding its programmes, upcoming events, examination results etc.

- v) **Computerised admission process with provision of online admissions:** The whole system of admissions and examinations are managed using professional software which gives instant online access to learners. Can be accessed through [www.idolgu.in](http://www.idolgu.in).
- vi) **Flexible Walk in Group Counselling (FWGC):** Regular group and individual counselling will be held in the GUIDOL (headquarter) complex as well as in the parent department during all working days. Learners may walk-in to the designated GUIDOL counselling room and meet their teachers to clarify their doubts.
- vii) **Personal Contact Programme (PCP) :**In addition to the Study Materials, useful Personal Contact Programmes will be held at various affiliated study centres, which will enable the students to clarify their confusions and ease their difficulty while going through it. Qualified faculty members of affiliated study centres will help out the attending students by providing necessary tips and guidelines during the interactive sessions. These sessions are also meant to give the students a chance to meet the teachers personally and discuss their problems.
- viii) **Community FM Radio:** Gauhati University has its own Community radio station named as “Radio Luit 90.8 FM” and operates daily from 8AM to 8PM. The Community Radio station shall be extensively used to broadcast radio talks on various courses daily. The broadcast contents are designed as per the requirements by teaching staff of both the ODL Institute as well as the parent department. Experts are outsourced if the need arises.

## **6. Procedure for Admissions, Curriculum transaction and Evaluation-**

**Admission-** The admission process starts from August and ends by the end of September every year. The learners can go for either offline or online admission process. The minimum eligibility for M.A. & M.Sc programme in Mathematics is any graduate from any recognized Indian or Foreign university. The proposed fees for admission is Rs 7000.00(Seven Thousand only) per year. Financial Assistance is provided to the candidates belonging to SC/ST and OBC categories in the form of scholarship. A few learners belonging to the economically deprived section as well as the physically challenged category are provided free ship on the recommendation of the Hon’ble Vice Chancellor.

### **Curriculum transaction- Activity Planner: Enclosure II**

**Evaluation-** Each course/paper will carry 80% weightage for the term-end examinations and 20% for internal evaluation in the form of Home Assignments/internal examinations.



In order to pass/clear a course/paper, a candidate must secure minimum 35% marks in each course/paper. All examinations are conducted by the Controller of Examinations as per Examination rules and regulations of Gauhati University.

- 7. Library Resources:** The University has a State of the Art Central Library with rich collections of materials which includes books, journals, magazines, CD and DVDs, and is accessible to the ODL learners as well. Moreover, GUIDOL has its own Library where various books, journals and magazines are available.

Gauhati University being a member of the UGC-Infonet Digital Library Consortium (<http://www.inflibnet.ac.in/econ/index.php>) which provides current as well as archival access to more than 5000 core and peer-reviewed journals and nine bibliographic databases from 23 publishers and aggregators in different disciplines. The ODL learners can access the e-resources of UGC-Infonet Digital Library Consortium from the Gauhati University campus.

- 8. Estimated cost of the Programme:** total estimated cost of the programme is approximately Rs. 67.5 Lakhs which includes preparation and printing of SLMs, remuneration of the Resource persons, establishment cost and overheads. The estimate is evaluated considering the unit expenses of Rs.2.5 Lakhs per paper /1000 students for the entire duration of two years.

- 9. Quality assurance Mechanism and Expected Programme outcome:** The institute has a *Centre for Internal Quality Assurance (CIQA)* constituted by the statutory body of the HEI. Members of the Cell are drawn from among the Deans of the different Faculty, Heads of the respective departments, Executive Council members, administrative staff and teaching staff of the institute. The Internal Quality Assurance Cell shall review the relevance and standard of the programme from time to time and make necessary changes in the syllabus and contents of the programme. The HEI shall continuously monitor the effectiveness of the program through *CIQA* and other statutory bodies.

Course Benchmark Statement: Please refer to para 4 above. Further, learners will be equipped for professional competence and employability.

## ENCLOSURE-I

### Syllabus ( IDOL) for M.A/M.Sc in Mathematics.

The M.A/ M.Sc IDOL syllabus has been restructured for the semester system on the basis of the guidelines of the UGC. There are four semesters in two years; each semester comprising of five papers. In the third semester 3 papers are common to all and the other two papers are optional. In the 4<sup>th</sup> semester two papers are common and three papers are optional. Questions will be set from each unit, proper weightage will be given unit wise and marks from each unit are shown accordingly. In each paper there will be an internal assessment of 20 marks.

#### Semester I

- Paper- M101: Real Analysis and Lebesgue Measure  
Paper-M102: Topology  
Paper-M103: Algebra  
Paper-M104: Differential Equation.  
Paper-M105: Tensor and Mechanics

#### Semester II

- Paper- M201: Complex Analysis  
Paper-M202: Functional Analysis  
Paper-M203: Hydrodynamics  
Paper-M204: Mathematical Methods.  
Paper-M205: Operation Research

#### Semester III

- Paper- M301: Computer Programming in C (theory and Practical)  
Paper-M302: Number Theory  
Paper-M303: Continuum Mechanics  
Paper-M304 Algebra II/Space Dynamics  
(Optional):

Paper-M305: Special Theory of Relativity /Mathematical Logic  
(Optional):

**Semester IV**

Paper- M401: Graph Theory  
Paper-M402: Numerical Analysis  
Paper-M403: Functional Analysis II/ Fluid Dynamics  
Paper-M404: Mathematical Statistics /Dynamical System.  
Paper-M405: Fuzzy Sets and their Applications/General Theory of  
Relativity and Cosmology.

## Detailed Course Structure

### Semester I

#### M101: Real Analysis and Lebesgue Measure

##### Unit 1: (Marks-20)

Uniform convergence at an interval. Cauchy's criterion. Test for uniform convergence. Properties of uniformly convergent sequences and series of functions. Uniform convergence and continuity. Integration, differentiation Weirstrass approximation theorem (Statement only) and its application. Uniqueness theorem for power series. Abel's and Taylor's theorem. Fundamental properties.

##### Unit 2: (Marks-20)

Function of bounded variation, continuity, Differentiation, their continuity and monotonicity. Definition and Existence of R-S integral, properties of R-S integral integration and differentiation, fundamental theorem of calculus.

##### Unit3: (Marks-20)

Lebesgue outer measure, Measurable sets and properties. Borel sets and their measurability characterization of measurable sets, Non-measurable sets, Measurable function, Properties, Operation of measurable function, sets of measure zero.

##### Unit 4: (Marks-20)

Lebesgue integral, Lebesgue integral of a bounded function, comparison of Riemann integral and Lebesgue integral. Integral of non negative measurable function, General Lebesgue integral. Convergence of Lebesgue integral, Bounded convergence theorem (statement only) Monotone Convergence theorem (statement only), Lebesgue Convergence theorem (statement only).

##### Books Recommended:

1. Malik and Arora: Mathematical Analysis, Narosa Publishing House, New Delhi.

2. L.Royden: Real analysis, Prentice Hall of India.
3. W.Rudin: Principles of mathematical Analysis, 3<sup>rd</sup> Edition, McGraw Hill
4. Jain and Gupta: Lebesgue Measure and integration, Willey Eastern Ltd

### **M102: Topology**

#### **Unit 1: (marks-20) Metric Space:**

Convergence of sequences, completeness, Bair's theorem, continuous mappings, spaces of continuous function's Euclidean and unitary spaces.

#### **Unit 2: (marks-10) Topological Space:**

Continuity and homeomorphism, subspace, bases and sub bases. Weak topologies.

#### **Unit 3: (marks-20) Compactness:**

Compact spaces, product spaces, Tychonoff's theorem and locally compact spaces. Compactness for metric spaces, Ascoli's theorem.

#### **Unit 4(marks-20) Separations:**

TI-space and Hausdorff spaces, Completely regular spaces and normal spaces, Urysohn's lemma and Tietze extension theorem.

#### **Unit 5: (marks-10) Connectedness:**

Connected spaces, components of a space, totally disconnected spaces, locally connected spaces.

#### **Books Recommended:**

1. G.F Simmons.: Introduction to Topology and Modern Analysis, McGraw Hill
2. J.R.Munkers: Topology, A first course, Prentice Hall, India

### **M103: Algebra**

#### **Unit1: (marks-20)**

Direct product and Direct sums of Groups, Decomposable groups, Normal and Subnormal series of groups, Composition series, Jordan Holder theorem, solvable groups.

**Unit2: (marks-20)**

Divisibility in Commutative rings, PID, UFD and their properties, Eisenstein's irreducibility criterion.

**Unit3: (marks-20)**

Field theory-Extension fields, Algebraic and Transcendental, Splitting field, perfect fields, Finite fields (Moore's theorem etc.). Construction by ruler and compass, elements of Galois theory.

**Unit4: (marks-20)**

Canonical forms, similarity of linear transformations, Invariant subspaces, Reduction to triangular forms, nilpotent transformations, index of nil potency, invariants of a nilpotent Transformation, Primary decomposition theorem, Jordan blocks and Jordan forms.

**Books Recommended:**

1. S.Singh and Zameruddin: Modern Algebra, Vikash Publication.
2. S. Lipschitz: Linear Algebra, Schaum's outline series.
3. Hoffman and Kunz: Linear Algebra, PHI.
4. I.N.Herstein: Topic in Algebra

**M104: Differential Equation.**

**Unit1: (marks-20)**

Solution of 2<sup>nd</sup> order differential equations with variable coefficients including method of variation of parameters. Statement only Existence theorem of 1<sup>st</sup> order equation, Statements of existence theorems for system of 1<sup>st</sup> order equations and for nth order differential equations, Wronskian.

**Unit2: (marks-20)**

Method of series solution of 2<sup>nd</sup> order differential equations with particular reference to Legendre, Bessel and Gauss. Simultaneous differential equations and total differential equations.

**Unit3: (marks-20)**

Origin of partial differential equations of 1<sup>st</sup> order, Lagrange's method of solving 1<sup>st</sup> order linear partial differential equations. Particular solutions under various prescribed conditions. Linear homogeneous equations with more than two independent variables.

**Unit4:(marks-20)**

Charpit's method of solving non-linear 1<sup>st</sup> order partial differential equations. Complete Integrals. Standard forms of non-linear 1<sup>st</sup> order partial differential equations.

**Books Recommended:**

1. Theory and problems of differential equations-Frank Ayres Jr. Schaum's Outline Series,McGraw Hill.
2. M. D. Raisinghannia: Advance Differential Equations, S Chand & Co.
3. Gupta Malik and Mittal: Partial Diffrential Equation,Pragati Prakashan

**M105: Tensors & Mechanics**

**Unit1: (marks-10)**

Transformation of coordinates, summation convention, Kronecker delta, definition of tensors covariant, contra variant and mixed tensor, Cartesian tensors, rank of a tensor, symmetric and antisymmetric tensors, outer and inner product of tensors, contraction, quotient law. Riemannian space, metric tensor, fundamental tensors, associate tensors, magnitude of a vector, angle between two vectors Parametric curves.

**Unit2: (marks-10)**

Christoffel's three-index symbols (or brackets) and properties, covariant differentiation of tensors, divergence and curl of a vector and gradient of a scalar. Intrinsic derivatives, curvature of a curve, parallel displacement of vectors.

**Unit3: (marks-10)**

Forces in three dimension and general conditions of equilibrium, Poinsot's central axis, wrench, cylindroids.

**Unit4: (marks-10)**

Virtual works, bending moments, equilibrium of slightly elastic beams, general equations of a bent rod, equations of three moments, work done in bending a rod.

**Unit5: (marks-10)**

Newton's laws and inertial frame of reference, general equations of motions, conservative force fields, general principle of conservation of energy, linear momentum and angular momentum.

**Unit6: (marks-10)**

Motion in two dimensions, motion under a central force with particular reference to inverse square law of force, Kepler's laws of planetary motions, two body problem, motion in resisting medium and motion when the mass varies.

**Unit7: (marks-10)**

Motion in three dimensions, velocity and acceleration in cylindrical and spherical polar coordinates, motion on cylindrical spherical and conical surfaces.

**Unit8:(marks-10)**

Revision of moments and general equations of motion of rigid body, motion in two dimensions under finite and impulsive forces, expression for K.E.; motion about a fixed axis.

**Books Recommended:****Tensors:**

1. Agarwal D.C.: Tensor Calculus of Riemannian geometry.



2. Ayers: Vectors and introduction to Tensor, Scaum's Outline Series, Tata McGraw Hill.

**Mechanics:**

1. Lamb: Statics , CUP
2. S. L Loney: Statics, CUP
3. A. S Ramsey: Statics, CUP, CBS Publishers & Distributors.
4. Tyagi, Nand and Sharma: Statics, Krishna Prakashan mandir
5. Chorlton: Text Books of dynamics, Van Nostrand
6. Goldstein: Classical mechanics, Addison Wesley.
7. Loney S.K.: Dynamics of a particle and of rigid bodies (CUP)
8. A. S Ramsey: Dyanamics PartII
9. Singe and Griffith: Principles of mechanics, McGraw Hill
10. Spiegel M: Dynamics Part II, Scaum's Outline Series, Tata McGraw Hill.

**M201Complex Analysis**

**Unit1:( Marks-20)**

Analytic functions: The Cauchy Riemann equations, harmonic functions, elementary functions many valued functions.

Analytic functions as mappings: Isogonal and conformal Transormations. Bilinear transformations: geometrical inversion, coaxial circles, invariance of the cross-ratio. Fixed points of a bilinear transformation; some special bilinear transformations, e.g. real axis on itself, unit circle on itself, real axis on the unit circle etc.

Branch point and branch lines, concept of the Riemann Surface.

**Unit2: ( Marks -20)**

Complex Integration

Integral along oriented curve, Cauchy's theorem, the Cauchy-Goursat theorem; Cauchy's integral and functions defined by integrals, the derivatives of a regular function; Morera's theorem, Cauchy's inequality, Liouville's theorem; Maximum modulus principle.

**Unit3: ( Marks -20)**

Power series:

Taylor's and Laurent's theorem: Zeros and singularities, their classification, poles and zeros of meromorphic functions.

The argument theorem, "Rouche's theorem, location of roots of equations.

**Unit4: ( Marks-20)**

The Calculus of Residues:

The residue theorem: evaluation of integrals by contour integration, special theorems used in evaluating integrals.

**Books Recommended:**

1. Phillips E.C.: Function of a Complex Variable, Oliver and Boyd.
2. Shanti Narayan : theory of Functions of a complex Variables, S. Chand and Co.
3. Spiegel Murry R: Theory and Problems of Complex variables, Schaum's Outline Series TMH.

**M202 Functional Analysis**

**Unit1: (Marks -20)**

Banach Space: Definitions and some examples, Basic properties, continuous linear transformation, finite dimensional normed linear spaces.

**Unit2:(Marks-20)**

Hahn-Banach theorem, natural embedding of  $NLS^*$ , open mapping theorem, closed graph theorem, Banach Steinhaus theorem, conjugate of an operator.

**Unit3:(Marks-20)**

Hilbert Spaces: Definition and simple properties, orthogonal complement, orthogonal sets, conjugate space  $H^*$ , adjoint of an operator, self adjoint of an operator, normal and unitary operator, projection.

**Unit4:(Marks-20)**

Finite-dimensional spectral Theory: Spectrum of an operator, spectral theorem.

**Books recommended:**

1. Simmons G.F.: Introduction to Topology and Modern Analysis, McGraw Hill/Megginson.
2. Lahiri, B.K.: Functional Analysis, the World Press Pvt. Ltd, Calcutta.
3. Limaye, B.V.: Functionla Analysis, New Age Publication.

**M203 Hydrodynamics**

**Unit 1 (Marks-20):** Kinematics of fluid motion: Path lines stream lines equations of continuity, equation of motion and their integrals, boundary conditions . Impulsive motions. Analysis of fluid motion and general theory of irrotational motion.

**Unit 2 (Marks-20):**Motion in a plane: Use of Complex potential. Source. Sink, Doublet. Method of images. The Circle theorem. The theorem of Blasius. Motion past circular cylinder.

**Unit3:(Marks-20):** Motion in space: Motion past a sphere axisymmetric motion. Stokes stream function and its use.

**Unit 4(Marks-20):** Vortex motion : Properties of vortex filament motion due to rectilinear vortex and a system of vortices motion of a vortex filament due to the influence of others. Ranking vortex.

**Books recommended:**

.

1. W.H.Besant and A.S. Ramsay: A Treatise on Hydromechanics. Part II. CBS Publishers. Delhi.
2. Frank Chorlton: Text Book of Fluid Dynamics- C.B.S Publishers. Delhi.
3. G.K.Batchelor: An Introduction to Fluid Mechanics, Foundation Books. New Delhi.
4. M.D. Raisinghania: Hydrodynamics- S. Chand and Co. Limited.

### **M204: Mathematical Methods**

**Unit1: (Marks-20): Laplace Transform:** Basic properties of Laplace Transform, Convolution theorem and properties of convolution, Inverse Laplace Transform, Application of Laplace Transform to the solution of differential equation. Evaluation of definite integrals.

**Unit2: (Marks-20): Fourier Transform:** Fourier Integral Transform. Properties of Fourier Transform, Fourier sine and cosine transform, Application of Fourier Transform to differential equation. Evaluation of definite integrals.

**Unit3 (Marks-20): Fredholm Integral Equations:** Definition of Integral equation, Eigen values and Eigen functions: Reduction to a system of algebraic equations, Reduction of ordinary differential equation into integral equation. Fredholm integral equations with separable kernels, Method of successive approximations, Iterative scheme for Fredholm Integral equation of second kind.

**Unit4 (Marks-20): Voltera Integral Equations:** Voltera Integral equations of second kind, Resolvent kernel of Voltera equation and its result, Application of iterative scheme to Voltera integral equation of the second kind. Convolution type kernels.

**Books recommended:**

1. S. G. Mikhlin: Linear Integral Equations, (Translated from Russian), Hindustan Book Agency, 1960.
2. Raisinghania: Integral Transforms, S. Chand & Co.

3. M.R. Spiegel: Theory and Problems of Laplace transforms, Schaum's outline series.

### **M205 Operations Research**

**Unit-1 (Marks-10):** History and Development of Operations Research. Operations Research and its Scope Necessity of Operations Research in Industry and Management. General idea of queuing problem-Markovian and non Markovian queues. Queuing theory and its operating characteristics, queuing model-M/M/1, M/M/K. General equations of the models.

**Unit-2 (Marks-10): Simulation:** Theory of simulation. Monte Carlo method, applications to the problems of replacement and maintenance inventory, queuing and financial problems.

**Unit-3 (Marks-20): Linear Programming:** Simplex method. Theory of the simplex Method, Duality and Sensitivity Analysis. Other Algorithms for Linear Programming, Dual Simplex Method. Integer programming-Branch and Bound technique. Concept of cutting plane. Gomory's all integer cutting plane method.  
Applications to Industrial Problems:- Optimal product mix and activity levels. Petroleum refinery operations Blending problems. Economic interpretation of dual linear programming problems. Input-output analysis.

**Unit-4: (Marks-10):** Transportation and Assignment Problems.

**Unit-5: (Marks-10): Network Analysis** - Shortest Path Problem. Minimum Spanning Tree Problem. Maximum Flow Problem, Minimum Cost Flow Problem. Network simplex Method. Project Planning and Control with PERT- CPM.

**Unit 6: (Marks-20): Nonlinear Programming:** One and Multi-Unconstrained Optimization. Kuhn-Tucker Conditions for Constrained Optimization. Quadratic Programming. Separable Programming Convex Programming Non-convex Programming.

**Books recommended:**

1. Kanti Swarup.P.K. Gupta and Manmohan: Operations Research. S.Chand and Co.
2. . H.A.Taha.Operations Research: An introduction. Macmillan Publishing Co. Inc. New York.
3. FS Hillier and GJLieberman: Introduction to Operations Research (Sixth Edition). McGraw Hill International Edition. Industrial Engineering Series. 1995 (This book comes with a CD containing tutorial software)
4. P.K.Gupta and D.S. Hira: Operations Research-An Introduction S.Chand and Co.

**M301 Computer Programming in C**

**Unit 1. (Marks- 20): An Overview of Programming:** The basic model of computation, Algorithms, Flow charts, programming languages, compilation, linking and loading, efficiency and analysis of algorithms.

**C Essentials:** Character set, variables and identifiers, built in data types, operators and expressions, constants, type conversions, basic input/put operations, anatomy of a C program.

**Unit 2. (marks-20): Control Flow:** Conditional branching, The switch statement, looping, nested loops, the break and continue statements, the goto statement, infinite loops.

**Unit 3. (marks-20): Arrays, Pointers and Functions:** Declaration, initialization, pointer arithmetic. Basics of functions, passing arguments, declaration and calls, return values.

### **SAMPLE PROGRAMS FOR PRACTICAL (MARKS-20)**

To evaluate an arithmetic expression. To find GCD, Factorial. Fibonacci series. Prime number generation. Reversing digits of an integer. Finding square root of a number. To find the roots of a quadratic equation. To find the greatest and smallest of a finite set of numbers. To find the sum of different algebraic and trigonometric series. Addition, subtraction and multiplication of matrices.

#### **Books recommended:**

1. Rajaraman V.: Computer Oriented Numerical methods, Prentice Hall of India, New Delhi.
2. Balaguruswamy E.: ANSIC.
3. Kernighan W. and Ritchie D.K.: The C programming Language, PHI.

### **M302 Number theory**

**Unit 1. (Marks-20): Divisibility and the primes:** Principle of mathematical induction, least common multiple, greatest common divisor. Euclidean algorithm, prime numbers, unique factorization theorem)

**Unit 2. (Marks-20): Congruences:** Operations of congruences, Residue sets mod  $m$ , Euler's theorem, order of a mod  $m$ , linear congruences, the theorems of Fermat and Wilson, The Chinese Remainder theorem, Polynomial congruences.

**Unit 3. (Marks-20): Quadratic Residues:** Primitive roots, Indices, quadratic residue mod  $m$ , Euler's criterion, The Legendre symbol, The law of quadratic reciprocity. The Jacobi symbol.

**Unit 4. (Marks-20): Arithmetic functions and some Diophantine equations:** Multiplicative Arithmetic functions,  $\tau$  and  $\sigma$  functions, Mobius function, Euler's function, The inversion formula. Linear Diophantine equations, equations of the form  $x^2+y^2=z^2$ , related equations, Representation of a number by sum of two or four squares.

**Books recommended:**

1. Burton D.M.: Elementary Number Theory, Universal Book stall, New Delhi.
2. K. C. Chowdhury: A first course in theory of numbers, Asian Books Pvt. Ltd.
3. S. B. Malik: Vikash Publishing House Pvt. Ltd.: Basic Number Theory

**M303 Continuum Mechanics**

**Unit 1. (Marks-20): Analysis of Stress:** The continuum concept. Homogeneity isotropy mass density. Cauchy's stress principle. Stress tensor. Equations of equilibrium. Stress quadratic of Cauchy. Principal stresses. Stress invariants. Deviator and spherical stress tensors.

**Unit 2. (Marks-20): Analysis of Strain:** Lagrangian and Eulerian descriptions. Deformation tensors. Finite strain tensor. Small deformation theory. Linear strain tensors and physical interpretation. Stress ratio and finite strain interpretation strain quadratic of Cauchy. Principal strains. Strain invariants. Spherical and Deviator strain components. Equations of Compatibility.

**Unit 3. (Marks-20): Motion:** Material derivatives, path lines and stream lines. Rate of deformation and Vorticity with their physical interpretation. Material derivatives of volume. Surface and line elements. Volume, surface and line integrals. Fundamental laws of continuum Mechanics.



**Unit 4. (Marks-20): Constitutive equations of Continuum Mechanics:** Linear elasticity. Generalized Hook's Law. Strain energy function. Elastic constants for isotropic homogeneous materials. Elaststatic and Elastodynamic problems.  
Fluids: Viscous Stress tensor. Barotropic flow : Stokesian fluids. Newtonian fluids. Navier stokes equations. Irrotational flow. Perfect fluids. Bernoullis equation. Circulation.

**Books recommended:**

1. G. E. Mase: Continuum Mechanics - Schaum's outline series. McGraw Hill Book Company.
2. R. Chatterjee: Mathematical Theory of Continuum Mechanics- Narosa Publishing House. New Delhi.

**M304 Algebra II**

**(Optional):**

**Unit 1. (Marks-20):** Posets and lattices, Modular, Distributive lattices, Direct product (sum) of an infinite family of groups. Structure theorems for finitely generated abelian groups  
**Unit 2:** Sylow's theorem and its applications.

**Unit 2. (Marks-20):** Free abelian groups, free groups, free products of groups, representation of a group.

**Unit 3. (Marks-20):** Modules, submodules, Direct product and direct sum of modules, prime ideals in commutative rings, complete ring of quotients of a commutative rings.

**Unit 4. (Marks-20):** Primitive rings, Radical, completely reducible module and rings, Artinian and Noetherian rings and modules.

**Books recommended:**

1. V.K. Sarma: Lattices and Boolean Algebra- Vikas Publ House.

2. Singh and Zameeruddin: Modern Algebra- Vikas Publ House
3. B. Chandler: Group Theory, Schaum's Series
4. Bhattacharyya, Jain and Nagpaul: Basic Abstract Algebra- CUP, 1997

### **M304 Space Dynamics**

#### **(Optional)**

**Unit 1. (Marks-20): Basic formulae of a spherical triangle-The Two-body problem:** The motion of the centre of mass . The relative motion. Kepler's equation. Solution by Hamilton Jacobi Theory. The Determination of Orbits: Laplace's Gauss Methods.

**Unit 2. (Marks-20): The Three Body problem:** General Three Body Problem. Restricted Three Body Problem. Jacobi integral. Curves of zero velocity. Stationary solutions and their stability. The n-body problem: The motion of the centre of Mass. Classical integrals.

**Unit 3. (Marks-20): Perturbation :** Osculating orbit, perturbing forces. Secular and Periodic perturbations, Lagrange's planetary Equations on terms of perturbing forces and in terms of perturbed Hamiltonian. Motion of the moon-The perturbing forces. Perturbation of Keplerian elements of the moon by the sun.

**Unit 4. (Marks-20): Flight Mechanics:** Rocket performance in a vacuum, vertically ascending paths. Gravity twin trajectories. Multi-stage rocket in a vacuum. Definitions pertinent to single stage rocket. Performance limitations of single stage rockets. Definitions pertinent to multi stage rockets. Analysis of multi-stage rockets neglecting gravity. Analysis of multi-stage rockets including gravity.

**Books recommended:**

1. J.M.A.Danby: Fundamentals of Celestial Mechanics. The Macmillan Company. 1962
2. E. Finaly, Freundlich. Celestial Mechanics. The Macmillan Company. 1958

3. Ralph Deutsch. Orbital Dynamics of Space Vehicles. Prentice Hall INC. Engle Wood Cliff. New Jersey 1963.
4. Theodore E. Sterne: An Introduction of Celestial Mechanics. Intersciences Publishers. INC 1960-
5. Angelo Miele: Flight Mechanics Vol 1. Theory of flight paths. Addison Wiley Publishing Company INC. 1962.

### **M305: Special Theory of Relativity**

#### **(Optional)**

**Unit 1. (Marks-16):** Inertial and non-inertial frames, Geometry of Newtonian mechanics, Galilean Transformations, Back-ground of the fundamental postulates of the special theory of relativity, Lorentz transformation. Relativistic concept of space and time and relativity of motion, Geometrical interpretation of Lorentz transformation as a rotation. Lorentz transformation as a group.

**Unit 2. (Marks-16):** Relativistic addition law of velocities and its interpretation in terms of Robb's rapidity, Invariance of speed of light, consequences of Lorentz transformation e.g. (i) Lorentz Fitzgerald contraction (ii) Time dilation (iii) Simultaneity of events, Proper length and proper time, Application in problems. Transformation of acceleration

**Unit-3. (Marks-16):** Relativistic mechanics. Variation of mass with velocity, Transformation of mass, force and density Equivalence of mass and energy, Transformation of momentum and energy, Energy momentum vector. Applications in problems, Relativistic Lagrangian and Hamiltonian.

**Unit-4. (Marks-16)**

Minkowski's space, Geometrical representation of simultaneity, Contraction and dilation, space like and time like intervals, position. Four vectors, Four velocity, Four forces and Four momentums, Relativistic equations of motion, Covariant four-dimensional formulation of the laws of mechanics.

**Unit-5. (Marks-16):** Electrodynamics: Fundamentals of electrodynamics, Transformation of differential operators, D' Alembert operator, Derivation of Maxwell's equation, Electromagnetic potentials and Lorentz condition, Lorentz force, Lorentz transformations of space and time in four-vector form, Transformations of charge and current density, Invariance of Maxwell's equations, Transformation equations of electric field strength and magnetic field induction components, Invariance of  $E^2-H^2$  and  $E.H$ .

**Books recommended:**

1. Robert Resnick: Introduction to special Relativity, Wiley Eastern Lt. (1990)
2. A S Eddington: The Mathematical Theory of relativity, Cambridge University Press 1965
3. Satya Prakash: Relativistic Mechanics (Theory of Relativity) Pragati Prakashan, 2000

**M305 Mathematical Logic (Optional)**

**Unit1. (Marks-16):** Informal statement calculus: Statements and connectives, truth functions and truth-tables, normal forms, adequate sets of connectives, arguments and validity.

**Unit 2. (Marks-16):** Formal statement calculus: Formal definitions of Proof. Theorem and Deduction the formal theory L of statement calculus the deduction theorem and its converse.

**Unit 3. (Marks-16):** Adequacy theorem for  $\mathcal{L}$ : Valuation in  $\mathcal{L}$ . tautology in  $\mathcal{L}$ . the Soundness theorem. Extensions of  $\mathcal{L}$ . consistency of an extension the adequacy theorem of  $\mathcal{L}$ .

**Unit 4. (Marks-16):** Informal predicate Calculus: Symbolism of predicate calculus. First order language interpretation truth values of well-formed formulas satisfaction

and truth. Formal Predicate Calculus: Predicate Calculus as a formal theory the adequacy theorem of K.

**Unit 5. (Marks-16):** Mathematical Systems: First order systems with equality the theory of groups first order arithmetic formal set theory consistency and models.

**Books recommended:**

1. A.G. Hamilton: Logic for Mathematics
2. Elliot Mendelson: Introduction of Mathematical Logic.

**M401: Graph theory**

**Unit 1. (Marks-20):** Graphs, subgraphs, walk, paths, cycles and components, intersection of graphs, Degrees, Degree sequence. Trees, spanning tree, cycles, cocycles. Cycle space. Cocycle space, connectivity, cut vertices, cut edges, blocks., connectivity parameters, Menger's theorems.

**Unit 2. (Marks-20):** Eulerian and Traversable graphs: Characterization theorems, characterization attempts for Hamiltonian graphs, two necessary and sufficient conditions of a graph to be Hamiltonian, Factorizations, Basic concepts, 1-factorization, 2-factorization, coverings, critical points, and lines.

**Unit 3. (Marks-20) :** Planarity: Subdivision of graph, identification of vertices, plane and planar graph, outer planar graph, Euler's polyhedron formula, Kuratowski's theorems, Genus, thickness, coarseness and crossing number of a graph.

**Unit 4. (Marks-20):** Algebraic graph theory: Adjacency matrix and spectrum of graphs, vertex, partition and the spectrum.

**Books recommended:**

1. Harary: Graph Theory, NAROSA Publishing Co.
2. N. Biggs: Algebraic Graph Theory, CUP

3. Godsil Springer: Algebraic Graph Theory..

### **M402: Numerical Analysis**

**Unit 1. (marks-20): Interpolation formulae:** Newton's forward interpolation formula, Newton's backward interpolation formula, Newton's divided difference interpolation formula, Lagrange's interpolation formula, Gauss forward interpolation formula, Gauss backward interpolation formula, Stirling's formula, Bessel's formula.

**Unit 2. (marks-20): Numerical Differentiation and Integration** Numerical Differentiation and Integration, Simpson's rule, Weddle's central difference formula, quadrature formula, Gauss's quadrature formula, Euler's formula for summation and quadrature.

**Unit 3. (marks-20): Solution of Algebraic and Transcendental Equations:** Numerical Solutions of Algebraic and Transcendental Equations, Solutions by the method of iteration and the Newton-Raphson method, cases of repeated roots.

**Unit 4. Linear Equations: (marks-20):** Direct method for solving systems of linear equations (Gauss Elimination, LU decomposition, Cholesky decomposition), iterative methods (Jacobi, Gauss-Seidel, Relaxation methods).

#### **Books recommended:**

1. Householder A.S.: Principles of Numerical Analysis, McGraw Hill, New York.
2. Jain M.K.: Numerical Analysis for scientists and Engineers, S.Publishers.
3. Kung: Numerical Analysis, McGraw Hill Book Co.
4. Niyogi P. : Numerical Analysis and Algorithms, Tata McGraw Hill
5. Rajaraman V.: Computer Oriented Numerical methods, Prentice Hall of India, New Delhi.

### **M403: Fluid Dynamics**

**(Optional)**

**Unit 1 (Marks-20):** Waves: Long wave and surface wave stationary wave. Energy of the waves. Waves between different media. Group velocity, Dynamical significance of Group velocity. Surface tension and Capillary waves. Effect of Surface tension in water waves.

**Unit 2 (Marks-20):** Viscous fluid motion: Navier-Stokes equation of motion rate of change of vorticity and circulation rate of dissipation of energy. Diffusion of a viscous filament.

**Unit 3 (Marks-20):** Exact solution of Navier Stokes Equation: Flow between plates. Flow through a pipe (circular elliptic). Suddenly accelerated plane wall. Flow near an Oscillating flat plate. Circular motion through cylinders. Stoke's linearization process. Flow past a sphere. Whitehead paradox and Stoke's paradox. Oseen's approximation.

**Unit 4 (Marks-20):** Laminar Boundary Layer Theory: General outline of Boundary layer flow. Boundary layer thickness. Displacement thickness. Energy thickness. Flow along a flat plate at zero incidence . Similarity solution and Blasius solution for flow about a flat plate. Karman's momentum integral equation. Energy integral equation. Pohlhausen solution of momentum integral equation.

**Books recommended:**

1. I.M.Milne Thomson: Theoretical Hydrodynamics: McMillan Company.
2. S.Goldstein Modern development of Fluid Dynamics. Vol-1. Dover publication. New York.
3. G.K.Batchelor: An Introduction to Fluid Dynamics.
4. M. D. Raisighania: Fluid Dynamics: S. Chand.

**M403: Functional Analysis II (Optional)**

**Unit-1. (Marks-10): Vector topologies:** Examples First properties Mazur's and Eidelheit's separation theorems Metrizable vector topologies.

**Unit-2. (Marks-15):**

**The Open Mapping Theorem:** The closed graph Theorem and the uniform Boundedness Principle for F-spaces. Topologies induced by families of functions. Weak and Weak\* topologies. Compactness. Adjoint operator . Projection and complementation.

**Unit-3. (Marks-15): Convexity:** The Hahn- Banach theorem for locally convex spaces. The Banach Alaunglu Theorem for topological vector spaces. Krein-Milman theorem.

**Unit-4. (Marks-15):** Definition of Banach Algebra and Examples Singluar and Non singular elements. The Abstract index. The spectrum of an element. Gelfand Formula. Multiplicative. Linear Function. And the maximal ideal space. Gleason Kahane Zelazko Theorem.

**Unit-5. (Marks-15):** The Gelfand Transforms. The spectral Mapping Theorem. Isometric Gelfand Tranform. Maximal ideal spaces for Dise Algebra and the Algebra.

**Unit-6. (Marks-10):** ( $C^*$  algebras-Definition and Examples, Self Adjoint. Unitary normed positive and projection elements in ( $C^*$ -algebras, Commutative ( $C^*$ -algebras. ( $C^*$ -Homomorphisms. Representation of Commutative ( $C^*$ - algebras. Subalgebras and the spectrum. The spectrum theorem. The Continuous functional Calculus . Positive linear functionals and slates in ( $C^*$ - Algebras, The GNS Construction.

**Books recommended:**

1. Megginson Robert E: An introduction to Banach space theory. Springer verlag.
2. W. Rudin: Functional Analysis Tata McGraw Hills.

**M404: Mathematical statistics**



**Unit1. (marks-16): Probability:** Mathematical and statistical definitions. Discrete Samplespace, Axiomatic approach, Theorems of Total and Compound probability, Repeated Trials, Baye's theorem. Random Variable and its distribution, Mathematical Expectations, Expectation of sum and product of random variables, Expectation of functions of random variables. Distribution of more than one random variables. Tshebysheff's lemma. Weak law of large numbers. Theorems of Markoff and Khintchine, Bernouilli's and Poisson's theorems. Characteristic function. Probability generating unctions, Central limit theorem.

**Unit2. (marks-16):** Binomial distribution, Poisson, distribution, Normal distribution, Hypergeometric distribution, Multinomial distributions, Beta and Gamma distribution, Pearsonia system of vurves, derivation of the differential equations and its solutions yielding curves of types, I,II,III and IV. Bivariate Normal distribution. Regression and Correlation (including Multiple, partial and Interclass correlation)

**Unit3. (marks-16):** Principle of least squares of curve fitting (including orthogonal polynomials).

**Unit4. (marks-16): Theory of sampling:** Random and simple, random sampling, idea of sampling distribution, large sample test, Exact sampling distribution – and T,F,Z and  $\chi^2$ (with derivations) and associated tests of significance.

**Unit5. (marks-16): Estimation:** Requirement of a good estimator, Method of maximum likelihood (including Cramer-Rao inequality)

**Books Recommended:**

1. J.V. Uspensky: An Introduction to Mathematical Probability<sup>3</sup>.
2. Elderton: Correlation and Frequency curves.
3. Ferzen: Modern Probability and its Application.
4. S. C. Gupta and V. K. Kapur: Fundamentals of Mathematical Statistics, Sultan Chand & Sons Publishers (1983)

5. S. C. Gupta and V. K. Kapur: Fundamentals of Applied Statistics, Sultan Chand & Sons Publishers (1983)
6. J. Medhi: Statistical Methods: An Introductory text, New Age Int. Publishers (2006).
7. Daroga Singh and F. S. Chaudhury: Theory and Analysis to Sample survey and designs, Wiley Eastern LTD (1986).

#### **M404: Dynamical systems and Fractal Geometry**

**Unit1. (Marks-10): Nonlinear oscillators**-Conservative system. Hamiltonian system. Various types of Oscillators in nonlinear system. Solutions of nonlinear differential equations.

**Unit2. (Marks-10):** Orbit of a map, fixed point, equilibrium point, periodic point, circular map, configuration space and phase space.  
Origin of bifurcation, Stability of a fixed point, equilibrium point, Concept of limit cycle and torus.

**Unit3. (Marks-10):** Hyperbolicity, Quadratic map. Period doubling phenomenon, Feigenbaum's Universal constant.

**Unit4. (Marks-10):** Turning point, transcritical, pitch fork, Hopfbifurcation.  
Phenemenon of losing stability, Quasiperiodic motion. Topological study of nonlinear differential equations, Poincare map.

**Unit5. (Marks-10):** Randomness of orbits of a dynamical system. Chaos. Starange attractors. Various roots to chaos. Onset mechanism of turbulence.

**Unit6. (Marks-15):** Construction of the middle third Cantor set, Von Koch Curve, Sierpinski gasket, self similar fractals with different similarity ratio, Julia Set, measure and mass distribution. Hausdorff measure, scaling property, effect of general transformations on Hausdorff measure, Hausdorff dimension and its properties, s-sets, calculation of Hausdorff dimension and its properties, s-sets, calculation of Housdorff dimension in simple cases.

**Unit7. (Marks-15):** Unit Measurement of a set at scale  $d$ , box dimension, its equivalent versions, properties of box dimension, box dimension of middle third cantor set and other simple sets, some other definitions of dimension, upper estimate of box dimension, mass distribution principle, generalized cantor set and its dimension.

**Books Recommended:**

1. Robert C. Hilborn: Non linear Dynamics and Chaos
2. D.K. Arrowsmith: Introduction to dynamical systems, Cambridge University press, 1990.
3. Robert L Devany: An introduction to Chaotic Dynamical Systems, Addison-Wesley Publishing Co. Inc.1989
4. M.F. Barnsley: Fractals everywhere, A.P. 1988
5. K.J.Falconer: The Geometry of Fractal sets, Cambridge University Press, 1985

**M405 General Theory of Relativity and Cosmology (Optional)**

**Unit1. (Marks-20):** Geodesics, Derivation of the equation of geodesics, Geodesic co-ordinates, intrinsic derivatives, First Curvature, Parallel transport, parallel vectors. Related theorems of intrinsic derivatives and parallel displacement.

**Unit 2. (Marks-15):** Riemann Christoffel Curvature tensors and their properties, Ricci tensor, Bianchi identities, Einstein tensor Divergence of Einstein tensor, Condition of Flat Space, Riemann Curvature.

**Unit 3. (Marks-15):** Theory of gravitation, principle of covariance and equivalence, geodesic principle, Simple consequences of the principle of equivalence (i) the equality of inertial and gravitational masses(ii) effect of gravitational potential on the rate of a clock, (iii) The clock paradox, the energy momentum tensor, Energy momentum tensor in case of a perfect fluid, conservation of energy and Momentum.

**Unit 4. (Marks-15):** The gravitational fluid in empty space in presence of matter and energy. Newtonian equation of motion as an approximation of geodesic equations, . Poission's equation as an approximation of Einstein field equation, Schwarzschild exterior solution and its isotropic form, planertry orbits and analogues of Kepler's laws in general relativity. Relation between M and m, Isotropic co-ordinates. The three crucial' tests (i) The advancee of perihelion (ii) Bending of light rays in a gravitational field (iii) Gravitational red-shift in spectral lines. Schawarzachid interior solutions., Boundary conditions.

**Unit 5. (Marks-15):** Cosmology, Mach principle, Einstein modified field equations with cosmological term, Static cosmological models of Einstein and de-sitter, their derivations, properties and comparision with the actural universe. Huble's Law, cosmological principles, Wely's postulates. Non-static cosmological models. Derivation of Robertson": Walker metric, Redshift, Redshift versus distance relation Angular size versus red: shift relation and source counts in R.W space time.

**Books Recommended:**

1. A.S. Eddington: The Mathematical Theory of Relativity, Cambridge Univesity Press-1965.
2. B.F. Shutz: A First course in general relativity, Cambridge University Press, 1990.
3. C.Moller: The Theory of Relativity.
4. G.,E. Weatherburn: An Introduction to Riemannian Geometry and Tensor Calculus, Cambridge University Press, 1950.

**M 405: Fuzzy Sets and their application (Optional)**

**Unit 1. (Marks-10):** Fuzzy sets: Basic Definitions.  $\alpha$ -level sets. Convex fuzzy sets. Basic operations on Fuzzy sets. Types of Fuzzy sets. Cartesian products. Algebraic products Bounded sum and difference. T-conoroms.

**Unit-2. (Marks-10):** Extension Principle: the Zadeh extension principle Image and inverse image of fuzzy sets. Fuzzy numbers. Elements of Fuzzy Arithmetic.

**Unit-3. (Marks-10):** Fuzzy relations and Fuzzy Graphs: Fuzzy relations and fuzzy sets. Composition of Fuzzy relations. Min-max composition and its properties. Fuzzy equivalence relations. Fuzzy compatibility relations. Fuzzy relation equations. Fuzzy graphs, Similarity relation.

**Unit-4. (Marks-10):** Possibility Theory: Fuzzy measures. Evidence theory. Necessity measure. Probability measure. Possibility distribution. Possibility theory and fuzzy sets. Possibility theory versus probability theory.

**Unit-5. (Marks-10):** Fuzzy Logic: An overview of classical logic. Multivalued logic. Fuzzy propositions. Fuzzy quantifiers. Linguistic variable and hedges. Inference from conditional fuzzy propositions, the compositional rule of inference. Application in Civil, Mechanical and Industrial Engineering.

**Unit-6. (Marks-10):** Approximate reasoning: An overview of fuzzy expert system . Fuzzy implications and their selection. Multiconditional approximate reasoning. The role of fuzzy relation equation.

**Unit-7. (Marks-10):** Introduction to fuzzy control: Fuzzy controllers. Fuzzy rule base. Fuzzy inference engine. Fuzzification. Defuzzification and the various Defuzzification methods (the centre of area, the centre of maxima and the mean of maxima methods). Introduction of Fuzzy Neural Network, Autometa and Dynamical Systems.

**Unit-8. (Marks-10):** Decision making in Fuzzy environment: Individual decision making. Multiperson decision making. Multicriteria decision making. Multi stage decision making. Fuzzy ranking methods. Fuzzy linear programming . Application in Medicine and Economics.

**Books Recommended:**

1. G.J.Klir and B. Yuan: Fuzzy sets and Fuzzy Logic, Theory and Applications, Prentice Hall of India, 1995.

2. H.J.Zimmermann: Fuzzy set theory and its application, Allied Publishers Ltd. 1991.

Enclosure: II (Academic Planner)

**ACADEMIC CALENDAR**  
**Gauhati University Institute of Distance and Open Learning**  
**Guwahati- 781014, Assam**

<b>ADMISSION</b>			
<b>SEMESTER (TRADITIONAL PROGRAMME)</b>			
A	1	Fresh	July-September
	2	Continuation	July-September
<b>SEMESTER (IT PROGRAMMES)</b>			
B	1	Fresh	July-September
	2	Continuation	Odd Semester (July-September)
			Even Semester (January-February)
<b>ADMISSION TEST FOR M.Sc. IT PROGRAMME</b>			
C	August		
<b>ANNUAL PROGRAMMES</b>			
D	1	Fresh	July-September
	2	Continuation	July-September
<b>DISTRIBUTION OF SLM</b>			
<b>SEMESTER/ANNUAL (TRADITIONAL PROGRAMMES)</b>			
A	1	Fresh	July-October
	2	Continuation	July-October
<b>SEMESTER (IT PROGRAMMES)</b>			
B	1	Odd Semester	July-October
	2	Even Semester	Jan-March
<b>CONTACT CLASSES</b>			
<b>SEMESTER (TRADITIONAL PROGRAMMES)</b>			
A	1	Odd Semester	September-December
	2	Even Semester	March-June
<b>SEMESTER (IT PROGRAMMES)</b>			
B	1	Odd Semester	September-December
	2	Even Semester	March-June
<b>ANNUAL PROGRAMME</b>			
C	1	Previous	December-May
	2	Final	December-May
<b>EXAMINATION : TERM END</b>			
<b>SEMESTER (TRADITIONAL/IT)</b>			
A	1	Previous	July-August (All Sundays)
	2	Final	July-August (All Sundays)
<b>ANNUAL</b>			
August-September (All Sundays)			
B	<i>Schedule may change as per directive of the controller of Examination, GU/Govt. of Assam</i>		

<b>EXAMINATION: Sessional (OMR based Internal Examination)</b>			
A	<b>SEMESTER (TRADITIOAN/IT)</b>		
	1	Odd Semester	November
	2	Even Semester	May
<b>ANNUAL</b>			
January			
<b>DECLARATION OF RESULT (Term End)</b>			
<b>SEMESTER (TRADITIONAL/IT)</b>			
A	1	Odd Semester	May-June
	2	Even Semester	November-December
B	<b>ANNUAL</b>		
	Januray		



**ENCLOSURE-III**  
**SLM covering syllabus**

<b>SEMESTER I</b>	
PAPER M101	Real and Lebesgue Measure
PAPER M102	Topology
PAPER M103	Algebra
PAPER M104	Differential Equation
PAPER M105	Tensors and Mechanics
<b>SEMESTER II</b>	
PAPER M201	Complex Analysis
PAPER M202	Functional Analysis
PAPER M203	Hydrodynamics
PAPER M204	Mathematical Methods
PAPER M205	Operation Research
<b>SEMESTER III</b>	
PAPER M301	Computer Programming in C (theory and Practical)
PAPER M302	Number Theory
PAPER M303	Continuum Mechanics
PAPER M304A	Algebra II
PAPER M304B	Space Dynamics
PAPER M305A	Special Theory of Relativity
PAPER M305B	Mechanical Logic
<b>SEMESTER IV</b>	
PAPER M401	Graph Theory
PAPER M402	Numerical Analysis
PAPER M403A	Functional Analysis II
PAPER M403B	Fluid Dynamics
PAPER M404A	Mathematical Statistics
PAPER M404B	Dynamical System
PAPER M405A	Fuzzy sets and their applications
PAPER M405B	General Theory of Relativity and Cosmology

**GAUHATI UNIVERSITY**  
**INSTITUTE OF DISTANCE AND OPEN LEARNING (GUIDOL)**

**Programme Project Report (PPR)**

**PPR ID :** GU/GUIDOL/PPR/22 (Total no. pages : 21 )

**Programme:** Masters of Arts (M.A.) in Nepali

**1. Programme mission and objective:**

The mission of the programme is to cater to the need of higher education in Nepali literature and to promote Nepali literary and cultural heritage as an expression of the cultural and ethnic diversity of the state.

*Objectives of the programme are:*

- to develop conceptual understanding of Nepali literature and history
- to build up among learners an ability for critical and analytical understanding of Nepali literary texts
- to enable learners to explore various dimensions of Nepali language and culture
- to enable learners for a comparative study of Nepali with literatures in other languages of the state and the country.
- to enable learners to acquire a mastery over the language for use in all communicative purposes such as reading, writing, speaking, and performing.

**2. Nature and target group of learners:** Our target group includes-

- (1) those who are deprived of admission in the parent Department of regular mode due to limited intake capacity.
- (2) those employed in various organizations who desire to pursue higher education as a passion or as a means for movement up the promotional ladder
- (3) drop outs primarily due to social , financial and economic compulsions as well as demographic factors.
- (4) job seekers.
- (5) lifelong learners



পঞ্জীয়ক

গুৱাহাটী বিশ্ববিদ্যালয়, গুৱাহাটী-১৪

Registrar

Gauhati University, Guwahati-14

Gauhati University also has a provision in the ODL mode for lateral entry for those who had to discontinue the regular programme after successful completion of the first two semesters due to unavoidable reasons. Acceptability of the lateral entry provision is an indicator of parity of the courses in regular and distance mode. The curriculum is designed to enable learners to fulfill their aims and objectives in a manner they deem fit and proper. The curriculum is designed by a committee comprising of experts from the Department of the HEI , external experts and teachers of GUIDOL, keeping in view the needs of the diverse class of learners.

### **3. Relevance of the Programme with HEI's Mission and Goals:**

Gauhati University was established in 1948 with a mission to revitalize educational leadership, to set the standards for the production and dissemination of knowledge as well as to become an effective instrument of change in the society. Although the University has no separate department of Nepali as yet, studies in Nepali Literature and culture have been incorporated in the department of Modern Indian Language and Literary Studies (MIL) which has been acting as the nodal centre for Nepali literary studies. The department of MIL, established in the year 1967 has introduced M.Phil programmes in Assamese, Oriya, Tamil and Nepali in 2008. M.A in Nepali is approved for introduction in the in the ODL mode by the Academic Council of Gauhati University following several representations received from the sizable Nepali population, a community who are part of the multi-ethnic fabric of the state and its composite culture. It may be mentioned that this programme is offered by only two other Universities in India while Gauhati University is a pioneer in introducing it in the ODL mode. It is pertinent to note that learners from all over the North Eastern States and beyond have shown keen interest in this programme. Of late, Nepali as a programme is being offered in some of the undergraduate colleges of the state by the University. As it would be an open programme, graduates from any stream can pursue the programme.

Master of Arts (M.A.) in Nepali to be offered through ODL mode with the motto of *"quality higher education for all"*, is in sync with the HEI's mission and goals because it aims acquaint learners with the knowledge of Nepali language, literature and culture, given that Nepali is a language incorporated in the 6<sup>th</sup> schedule of the Indian Constitution. Efforts were made to design the curriculum which would help learners to gain familiarity with Nepali language and literature and enable them for comparative literary-cultural

study vis-a-vis the other languages and literatures of the country. The syllabus is designed to prepare learners to seek placements in educational institutions, research institutions and industrial sector.

**4. Appropriateness of the programme to be conducted in the ODL mode for acquiring specific skills and competence-**

The M.A. Programme in Nepali to be offered through ODL mode will have certain learning outcomes. The programme will help the learners:

- to gain a comprehensive knowledge of Nepali literature and language.
- to achieve an expertise in literary analysis and criticism.
- to build up necessary competence among learners required for scholarship and teaching of Nepali literature.
- to acquire mastery in Nepali language for all communicative purposes including reading, writing, performing and speaking.
- to conduct a comparative study of Nepali with other languages and literatures of the state and the country.

**5. Instructional Design:**

- a) **Curriculum Design:** The curriculum is designed by a committee comprising experts from the parent department of the HEI and GUIDOL, keeping in view the needs of the diverse class of learners.
- b) **Detailed Syllabus:** File containing detailed syllabus is attached.
- c) **Duration of the Program:** Minimum 2 years. However, the learners are required to complete the programme within 4 (four) years from the date of admission.
- d) **Instructional Delivery Mechanism:** The programme will be delivered in four(4) semesters having five(5) course/paper in each semesters. The learners will be provided with the printed SLM which covers almost all the contents in the syllabus (Enclosure-III). Counselling classes will be held in headquarter and various affiliated study centres. Telephonic Counselling and providing online learning resource will also be a part of instructional delivery mechanism. The progress of the learners will be evaluated by Internal Assessment and term end/semester end exam.

**e) Faculty:**

1. Dr. Khagendra Nath Sarma, Assistant Professor , department of Modern Indian Language (MIL), Gauhati University nominated as Coordinator of the ODL programme in Nepali
2. Assistant Prof/Academic councillor in Nepali will be processed for appointed after approval and creation of post at the academic council.
3. Part time resource persons drawn from amongst teachers of affiliated colleges both within the state and the neighbouring states.

**f) Media:** Print Media, ICT based content, content delivered through e-learning portal.

**g) Student Support Services:** In order to successfully execute the programme, the ODL mode of HEI has a wide range of support services. The various support services are listed as below-

- i) **Network of Study Centres:** To assist its learner, GUIDOL has established 96 study centres throughout the state of Assam but within the territorial jurisdiction of Gauhati University.
- ii) **State of the art Library** with around 7 thousand collections of materials which includes books, journals, magazines, CD and DVDs.
- iii) **E- Learning Portal:** [www.bodhidroom.guidol.in](http://www.bodhidroom.guidol.in) the first of its kind in the entire North east region of India. Which provides the following services to the students:
  - Online enrolment of students
  - Independent Discussion Forum for every course
  - Independent News Forum for every course
  - Online interaction facility with faculty members
  - Online interaction between the students making the scope of collaborative learning
  - Interaction through chatting of all users of all courses who are online.
  - Separate Chat Room for individual course
  - **Message My Teacher:** When a student logs in to Bodhidroom, after enrolling himself/herself to a course, he/she will see the names of the virtual class teachers. Student can directly send offline messages to the teachers. When the teacher is logged on, he will receive an alert of incoming messages. Then he can reply to the message.

- Online Study Material
  - Old Examination Question Papers
- iv) **Dynamic Website [www.idolgu.in](http://www.idolgu.in)** : GUIDOL has its own dynamic website where one can get all the information regarding GUIDOL, its programme, up-coming events, examination result etc.
- v) **Computerised admission process with provision of online admissions:** The whole system of admissions and examinations are managed using professional software which gives instant online access to learners. Can be accessed through [www.idolgu.in](http://www.idolgu.in).
- vi) **Flexible Walk in Group Counselling (FWGC):** Regular group and individual counselling will be held in the GUIDOL (headquarter) complex as well as in the parent department during all working days. Learners may walk-in to the designated GUIDOL counselling room and meet their teachers to clarify their doubts.
- vii) **Personal Contact Programme (PCP)** :In addition to the Study Materials, useful Personal Contact Programmes will be held at various affiliated study centres, which will enable the students to clarify their confusions and ease their difficulty while going through it. Qualified faculty members of affiliated study centres will help out the attending students by providing necessary tips and Guidelines during the interactive sessions. These sessions are also meant to give the students a chance to meet the teachers personally and discuss their problems.
- viii) **Community FM Radio:** Gauhati University has its own Community radio station named as “Radio Luit 90.8 FM” and operates daily from 8AM to 8PM. The Community Radio station shall be extensively used to broadcast radio talks on various courses daily. The broadcast contents are designed as per the requirements by teaching staff of both the ODL Institute as well as the parent department. Experts are outsourced if the need arises.

## 6. Procedure for Admissions, Curriculum transaction and Evaluation-

- **Admission-** The admission process shall start from August and end by the end of September every year. The learner can go for either offline or online admission process. The minimum eligibility for MA in Nepali is graduate from any recognized

Indian or Foreign university. The proposed fees for admission is Rs 7000.00(Seven Thousand only) per year. Financial Assistance is provided to the candidates belonging to SC/ST and OBC category in the form of scholarship. Few learners belonging to the economically deprived section as well as the physically challenged category are provided free ship on the recommendation of the Vice Chancellor

- **Curriculum transaction-** The curriculum shall be transacted throughout the year as per the *Activity Planner* which is enclosed as an annexure.
- **Evaluation-** Each course/module shall carry 80% weightage for the term-end examinations and 20% for internal evaluation in the form of Home Assignments/internal examinations. In order to pass/clear a course/paper in a subject, a candidate must secure minimum 35% Marks in each course/paper. All examinations are conducted by the Controller of Examinations as per Rules and Regulations of the Gauhati University .

7. **Library Resource:** The University has a State of the Art Central Library with rich collections of materials which includes books, journals, magazines, CD and DVDs, and is accessible to the ODL learners as well. Moreover, the Institute has its own Library where various books, journals and magazines related to commerce education are available.

8. **Estimated cost of the Programme:** total estimated cost of the programme is approximately Rs. 45 Lakhs which includes preparation and printing of SLMs, remuneration of the Resource persons, establishment cost and overheads. The estimate is evaluated considering the unit expenses of Rs.2.5 Lakhs per paper /1000 students for the entire duration of two years.

9. **Quality assurance Mechanism and Expected Programme outcome:**

- **Quality assurance Mechanism** :The institute has a *Centre for Internal Quality Assurance (CIQA)* constituted by the statutory body of the HEI. Members of the Cell are drawn from among the Deans of the different Faculty, Heads of the respective departments, Executive Council members, administrative staff and teaching staff of the institute. The Internal Quality Assurance Cell shall review the relevance and standard of the programme from time to time and make necessary changes in the syllabus and contents of the programme. The HEI shall continuously monitor the effectiveness of the program through *CIQA* and other statutory bodies.

- **Expected Programme outcome:** The expected programme outcome is reflected in the Course Benchmark Statement, which is stated as below-

Course Benchmark Statement: Master's degree in the Nepali shall be awarded to those learners who demonstrate:

- conceptual understanding of Nepali literature and history
- critical and analytical understanding of Nepali literary texts
- mastery over the language for use in all communicative purposes such as reading, writing, speaking, and performing
- professional competency in the relevant field



**Paper wise units decided on 21-09-2016 by the Committee at GUIDOL**

**Sem-I, Paper-IV- नेपाली उपन्यास( Nepali Novel)**

Unit	Name of the Unit
01	उपन्यासको सैद्धान्तिक परिचय र वर्गीकरण
02	नेपाली उपन्यासको विकासक्रम
03	लैनसिंह बाइदेल- लङ्गडाको साथी विजय मल्ल- अनुराधा
04	विश्वेश्वरप्रसाद कोइराला- तीन घुम्ती इन्द्रबहादुर राई - आज रमिता छ
05	लीलबहादुर क्षेत्री- ब्रह्मपुत्रका छेउछाउ इन्द्र सुन्दास - जुनेली रेखा
06	विक्रमवीर थापा- विगतको परवेशभिन्न पारिजात - पर्खालभिन्न र बाहिर
07	लोकनाथ उपाध्याय - आँधी अर्जुन निरौला - घाम डुवेपछि
08	भीम दाहाल - द्रोह गीता उपाध्याय- जन्मभूमि मेरो स्वदेश

**Paper wise units decided on 21-09-2016 by the Committee at GUIDOL**

**Sem-I, Paper-II- नेपाली कविता :आधुनिक काल( Modern Nepali Poetry)**

Unit	Name of the Unit
01	लेखनाथ पौड्याल- ऋतिवचार, तरुणतपसी, लक्ष्मी प्रसाद देवकोटा- मुनामदन
02	बालकृष्ण सम - आगो र पानी माधव घिमिरे- राजेश्वरी
03	गोपालप्रसाद रिमाल -आमाको सपना, सान्त्वना, भूपि शेरचन - हामी, मैनबत्तीको शिखा
04	तुलसी अपतन - के चढाऊँ, अदृष्ट छाङ्गु, पुष्पलाल उपाध्याय – देशरत्न, विचरा
05	हरिभक्त कटुवाल- रहर, यो जिन्दगी खै के जिन्दगी, अगमसिंह गिरी युद्ध र योद्धा
06	मोहन कोइराला - घाइते युग, फर्सीको जरा, वैरागी काइँला- मातेको मान्छेको भाषण: मध्यरातपछिको सडकसित, पर्वत
07	दुर्गा प्रसाद घिमिरे- मेरो आँगन, चक्रव्युह, नवसापकोटा - वैशाख आउँछ, मदिरा होइन मेरो कविता
08	युद्धवीर राणा – चिहान नपाएका तक्माहरू, भविलाल लामिछाने- ईश्वरको मृत्यु, आलोक गौतम- दश , राजेन्द्र भण्डारी- मेरो जन्मदिन र बा

**Paper wise units decided on 21-09-2016 by the Committee at GUIDOL**

**Sem-I, Paper-III- नेपाली कथा( Nepali Story)**

Unit	Name of the Unit
01	Unit-I कथाको सैद्धान्तिक स्वरूप
02	Unit-II नेपाली कथाको विकास प्रक्रिया
03	Unit-III गुरुप्रसाद मैनाली- परालको आगो विश्वेश्वरप्रसाद कोइराला- शत्रु रूपनारायण सिंह- बितेका कुरा शिवकुमार राई- माछाको मोल
04	Unit – IV हरिप्रसाद ‘गोर्खा’ राई- गोर्खाको मोडेल,भवानी भिक्षु – माउजङ बाबुसाहेबको कोट टङ्कनाथ उपाध्याय- पुङ्के हवलदार इन्द्र सुन्दास – अनुताप
05	Unit- V महानन्द पौड्याल- हवलदार (थपेको),इन्द्रबहादुर राई- जयमाया आफूमात्र लेखापानी आइपुगी सानु लामा- मृगतृष्णा हायमनदास राई ‘किरात’ – भेटेपछि
06	Unit- V रमेश विकल- लाहुरी भैंसी शरद् छेत्री- अभिशप्त अन्तराल माया ठकुरी- युद्ध,गुप्त प्रधान- मान्छे मान्छेकै बस्तीभिन्न
07	Unit – VI पूर्ण राई – जय विजय पद्म ढकाल- यहाँ राजा को हो? कसको शासन?,डम्बर दाहाल- यसरी दुखीको दिन गुज्रिन्छ खड्गबहादुर कौशिक- रिमाल्नीघाट
08	Unit – VII विन्ध्या सुब्बा – फलेदो फुल्छै फुल्छ, शान्ति थापा- आवर्तन खड्गराज गिरी- शून्य विकल्प प्रदीप गुरुङ – बिरिमफूल प्रवीण राई ‘जुमेली’ -

**Paper wise units decided on 21-09-2016 by the Committee at GUIDOL**

**Sem-I, Paper-IV- नेपाली उपन्यास( Nepali Novel)**

Unit	Name of the Unit
01	उपन्यासको सैद्धान्तिक परिचय र वर्गीकरण
02	नेपाली उपन्यासको विकासक्रम
03	लैनसिंह बाङ्देल- लङ्गडाको साथी विजय मल्ल- अनुराधा
04	विश्वेश्वरप्रसाद कोइराला- तीन घुम्ती इन्द्रबहादुर राई - आज रमिता छ
05	लीलबहादुर क्षत्री- ब्रह्मपुत्रका छेउछाउ इन्द्र सुन्दास – जुनेली रेखा
06	विक्रमवीर थापा- विगतको परवेशभिन्न पारिजात - पखालभिन्न र बाहिर
07	लोकनाथ उपाध्याय – आँधी अर्जुन निरौला – घाम डुवेपछि
08	भीम दाहाल – द्रोह गीता उपाध्याय- जन्मभूमि मेरो स्वदेश

**Paper wise units decided on 21-09-2016 by the Committee at GUIDOL**

**Sem-II, Paper-I- नेपाली साहित्येतिहास ( History of Nepali Literature)**

Unit	Name of the Unit
01	नेपाली साहित्यको ऐतिहासिक पृष्ठभूमि
02	नेपाली कविताको इतिहास र काल विभाजन
03	नेपाली कथाको इतिहास
04	नेपाली उपन्यासको इतिहास
05	नेपाली आख्यानेतर गद्यको इतिहास
06	नेपाली नाटकको इतिहास
07	नेपाली समालोचनाको इतिहास
08	नेपाली साहित्यिक आन्दोलन र वादहरू

**Paper wise units decided on 21-09-2016 by the Committee at GUIDOL**

**Sem-II, Paper-IV- नेपाली नाटक र रङ्गमञ्च ( Nepali drama and theatre)**

Unit	Name of the Unit
01	नाटकको सैद्धान्तिक परिचय र यसका भेदोपभेद
02	नेपाली नाटकको विकासक्रम
03	मोतीराम भट्ट- प्रियदर्शिका पहलमानसिंह स्वॉर- अटलबहादुर
04	बालकृष्ण सम- प्रह्लाद गोपालप्रसाद रिमाल- मसान
05	भीमनिधि तिवारी- माटाको माया गोविन्द गोठाले – म कसरी हार्युँ
06	विजयमल्ल- जिउँदो लास नन्द हाङ्खिम- अभिषेक
07	मनबहादुर मुखिया- अनि देउराली रुन्छ अविनाश श्रेष्ठ - अश्वत्थामा हतोहतः पृथ्विविलास भट्टराई- गहना
08	एकाङ्कीकार पुष्कर शमशेर- लक्ष्यहीन शेरमान थापा – आगो, ज्वाला र झिल्लाहरू, रामलाल अधिकारी - म भात खाँ

**Paper wise units decided on 21-09-2016 by the Committee at GUIDOL**

**Sem-II, Paper-III- प्रायोगिक भाषाविज्ञान( Applied Linguistics)**

Unit	Name of the Unit
01	भाषा र भाषाविज्ञानको परिभाषा, भाषाविज्ञानका क्षेत्र र शाखा
02	ध्वनिविज्ञान
03	वर्णविज्ञान
04	रूपविज्ञान
05	वाक्यविज्ञान
06	अर्थविज्ञान
07	लिपिविज्ञान
08	प्रायोगिक भाषाविज्ञानको परिचय –समाजभाषाविज्ञान, शैलीविज्ञान, अनुवादविज्ञान, कम्प्युटरीय भाषाविज्ञान

**Paper wise units decided on 21-09-2016 by the Committee at GUIDOL**

**Sem-II, Paper-IV- आख्यानतर नेपाली गद्य साहित्य( Nepali Fiction)**

Unit	Name of the Unit
01	निबन्धको सैद्धान्तिक स्वरूप
02	नेपाली निबन्धको विकासक्रम
03	पृथ्वीनारायण साह- दिव्योपदेश, राममणि आ दी- कविता रीति शम्भुप्रसाद ढुङ्गेल- महेन्द्रमल्ली,
04	लक्ष्मी प्रसाद देवकोटा- पहाडी जीवन शङ्कर लामिछाने- औपन्यासिक पात्र जीवनको पृष्ठभूमिमा कमल दीक्षित- पारसमणि मार्का
05	रामलाल अधिकारी- मेरो सिद्धान्तहीन सिद्धान्त कृष्णप्रसाद ज्ञवाली- वसन्तबेला चन्द्रकुमार शर्मा- मेरा बारीका भाते करेला
06	तारापति उपाध्याय- स्वतन्त्रता सङ्ग्रामी छबिलाल उपाध्याय चोकबहादुर थापा- हाम्रा हृदयको स्पन्दन गुवाहाटीको राधाकृष्ण मन्दिर
07	अच्छाराई रसिक- भुँडी केशवराज पिँडाली- खै खै भैरव अर्याल- साँढे सानुभाइ शर्मा – जिब्राको दोष
08	जयनारायण लुइटेल् - आटलान्टिक सिटी- तारेको आलु र जुवा गीता उपाध्याय- मेरो लण्डन यात्रा सलोन कार्थक – (विश्व एउटा पल्लो गाउँ बाट)



ter III नेपाली भाषाको अध्ययन ( Study of Nepali Language)

**Sem- III Paper 3.1)**

**Full Marks -100**

Names of the Units
Unit-I नेपाली भाषाको वर्णव्यवस्था
Unit-II नेपाली भाषाको रूप-व्यवस्था
Unit-III नेपाली वाक्यविज्ञान
Unit- IV (क) नेपाली भाषाको शब्द-ढुकुटी (ख) नेपाली लिपि
Unit- V नेपाली शब्दवर्ग
Unit- VI नेपाली भाषाका व्याकरणिक कोटिहरू
Unit- VII नेपाली भाषाको उत्पत्ति, विकास, विस्तार
Unit- VIII नेपाली भाषाका भाषिका

**भारतीय नेपाली साहित्य ( Indian Nepali Literature)**

**Sem.- III (Paper 3.2)**

**Full Marks - 100**

Names of the Units
Unit-I भारतीय नेपाली साहित्यको पृष्ठभूमि
Unit-II भारतीय नेपाली कविताको परम्परा र प्रवृत्ति
Unit-III भारतीय नेपाली कथाको परम्परा र प्रवृत्ति
Unit- IV भारतीय नेपाली उपन्यास परम्परा र प्रवृत्ति
Unit- V भारतीय नेपाली निबन्ध परम्परा र प्रवृत्ति
Unit- VI भारतीय नेपाली नाट्यसाहित्य परम्परा र प्रवृत्ति
Unit- VII भारतीय नेपाली समालोचना परम्परा र प्रवृत्ति
Unit- VIII भारतीय नेपाली साहित्यिक पत्र-पत्रिका

**तुलनात्मक साहित्य र विश्व साहित्यको सर्वेक्षण ( Comparative Literature and survey of world literature)**

**Sem- III (Paper 3.3)**

**Full Marks - 100**

Names of the Units
Unit-I तुलनात्मक साहित्यको अवधारणा, विशेषता, स्वरूप
Unit-II तुलनात्मक साहित्यको पृष्ठभूमि र विकास
Unit-III तुलनात्मक साहित्यका समस्याहरू
Unit- IV तुलनात्मक साहित्यमा अनुवादको भूमिका र महत्व
Unit- V तुलनात्मक साहित्य र भारतीय साहित्यको अवधारणा
Unit- VI संस्कृत साहित्यको सर्वेक्षण
Unit- VII एसियाली साहित्यको सर्वेक्षण
Unit- VIII पाश्चात्य साहित्यको सर्वेक्षण

**नेपाली समालोचना ( Nepali criticism)**

**Sem- III (Paper 3.4)**

**Full Marks – 100**

Names of the Units
Unit-I नेपाली समालोचनाको प्रारम्भ र विकास
Unit-II नेपाली समालोचनामा पूर्व र पाश्चात्य समालोचनाको प्रभाव
Unit-III नेपाली समालोचनाका प्रवृत्ति
Unit- IV केही प्रमुख समालोचक र तिनका समालोचना रामकृष्ण शर्मा- कविको धन तारानाथ शर्मा- नेपाली कथाको (घोल्याइँहरूबाट)
Unit- V ईश्वर बराल- पारिजातको कथाको शिल्पसंरचना बासुदेव त्रिपाठी- नेपाली कविताको नवीनतम धारा परम्पराको सापेक्षतामा
Unit- VI इन्द्रबहादुर राई- देवकोटाको पोथी गद्य गणेशलाल सुब्बा- मुनामदन एक यथार्थवादी समालोचना
Unit- VII कुमार प्रधान- अगमसिंह गिरीका कवितामा जातीय चेतना गुमानसिंह चामलिंग – युगबोध मानदण्ड
Unit- VIII राजनारायण प्रधान- बधूशिक्षा - अध्ययन छबिलाल उपाध्याय - शाकुन्तल महाकाव्यको काव्य सौष्ठव ज्ञानबहादुर छेत्री- एक झलकमा लीलबहादुर क्षेत्रीको कृतित्व

## Semester 4 Paper I : पूर्वीय साहित्य सिद्धान्त ( Eastern Literary theory)

Unit-I काव्य- परिभाषा, काव्यप्रयोजन, काव्यहेतु
Unit-II शब्दशक्ति
Unit-III रस सिद्धान्त
Unit- IV अलङ्कारवाद
Unit- V रीतिवाद
Unit- VI ध्वनि सिद्धान्त
Unit- VII वक्रोक्ति
Unit- VIII काव्यगुण र काव्यदोष

## पाश्चात्य साहित्य सिद्धान्त : Western Literary Theory

### Sem- IV ( Paper 4.2)

Names of the Units
Unit-I एरिस्टोटल - अनुकरण र विरेचन सिद्धान्त
Unit-II एस टि कलरिज - कल्पना सिद्धान्त
Unit-III आई ए रिचर्ड्स - मूल्य सिद्धान्त, सम्प्रेषण सिद्धान्त
Unit- IV टि एस इलियट – परम्परा र व्यक्ति प्रतिभा, निर्वैयक्तिकतावाद
Unit- V बेनेदित्तो क्रोचे – अभिव्यञ्जनावाद
Unit- VI अमेरिकेली नवआलोचना र रूपवाद
Unit- VII स्वच्छन्दतावाद, यथार्थवाद र अस्तित्ववाद
Unit- VIII संरचनावाद र उत्तरसंरचनावाद

### Sem- IV (Paper 4.3) नेपाली लोकसाहित्य र संस्कृति (Nepali folklore and Culture)

Names of the Units
Unit-I लोक साहित्य - परिभाषा, क्षेत्र, स्वरूप र विशेषता
Unit-II लोक साहित्यका विधा-उपविधा
Unit-III नेपाली लोककथा
Unit- IV नेपाली लोककविता र लोकगीत
Unit- V नेपाली लोक साहित्यका प्रकीर्ण भेदहरू
Unit- VI नेपाली लोक संस्कृतिको परिचय
Unit- VII नेपाली चाडपर्वहरू
Unit- VIII नेपाली लोक विश्वास र रीतिविधिहरू

Optional paper : Assamese and Hindi ( any one

असमिया साहित्यको सर्वेक्षण ( Survey of Assamese literature)

Sem- IV (Paper 4.4(A)

Names of the Units
Unit-I आदि युगको असमिया साहित्य
Unit-II शङ्करपूर्वको असमिया साहित्य
Unit-III शङ्कर युगको असमिया साहित्य
Unit- IV शङ्करोत्तर युगको असमिया साहित्य
Unit- V आधुनिक युगको असमिया साहित्य
Unit- VI केही पाठ्यकृतिको विश्लेषण (कविता – वीणबरागी –लक्ष्मीनाथ बेजब्रवा नाटक – कारेङ्गर लिगिरी – ज्योतिप्रसाद आगरवाला)
Unit - VII केही पाठ्यकृतिको विश्लेषण – (कथा – संस्कार – मामनि रयसम गोस्वामी) (उपन्यास – नामघरीया – अतुलानन्द गोस्वामी)
Unit- VIII असमिया साहित्यमा नेपालीभाषीको योगदान

Sem- IV (Paper 4.4(B) हिन्दी साहित्यको सर्वेक्षण ( Survey of Hindi literature )

Names of the Units
Unit-I हिन्दी साहित्येतिहास लेखनको परम्परा
Unit-II हिन्दी साहित्यको कालविभाजन
Unit-III आदिकाल, भक्ति काल, रीति काल, आधुनिक काल – सीमाङ्कन, नामकरण, परिस्थिति र प्रवृत्तिहरू
Unit- IV हिन्दी कथाको विकास
Unit- V हिन्दी उपन्यासको विकास
Unit- VI हिन्दी नाटकको विकास
Unit- VII हिन्दी निबन्धको विकास
Unit – VIII हिन्दी समालोचनाको विकास

**ACADEMIC CALENDAR**  
**Gauhati University Institute of Distance and Open Learning**  
**Guwahati- 781014, Assam**

<b>ADMISSION</b>			
<b>SEMESTER (TRADITIONAL PROGRAMME)</b>			
A	1	Fresh	July-September
	2	Continuation	July-September
<b>SEMESTER (IT PROGRAMMES)</b>			
B	1	Fresh	July-September
	2	Continuation	Odd Semester (July-September)
			Even Semester (January-February)
<b>ADMISSION TEST FOR M.Sc. IT PROGRAMME</b>			
C	August		
<b>ANNUAL PROGRAMMES</b>			
D	1	Fresh	July-September
	2	Continuation	July- September
<b>DISTRIBUTION OF SLM</b>			
<b>SEMESTER/ANNUAL (TRADITIONAL PROGRAMMES)</b>			
A	1	Fresh	July-October
	2	Continuation	July-October
<b>SEMESTER (IT PROGRAMMES)</b>			
B	1	Odd Semester	July-October
	2	Even Semester	Jan-March
<b>CONTACT CLASSES</b>			
<b>SEMESTER (TRADITIONAL PROGRAMMES)</b>			
A	1	Odd Semester	September-December
	2	Even Semester	March-June
<b>SEMESTER (IT PROGRAMMES)</b>			
B	1	Odd Semester	September-December
	2	Even Semester	March-June
<b>ANNUAL PROGRAMME</b>			
C	1	Previous	December-May
	2	Final	December-May
<b>EXAMINATION : TERM END</b>			
<b>SEMESTER (TRADITIONAL/IT)</b>			
A	1	Previous	July-August (All Sundays)
	2	Final	July-August (All Sundays)
<b>ANNUAL</b>			
August-September (All Sundays)			
B	<i>Schedule may change as per directive of the controller of Examination, GU/Govt. of Assam</i>		

<b>EXAMINATION: Sessional (OMR based Internal Examination)</b>			
A	<b>SEMESTER (TRADITIOAN/IT)</b>		
	1	Odd Semester	November
	2	Even Semester	May
<b>ANNUAL</b>			
January			
<b>DECLARATION OF RESULT (Term End)</b>			
<b>SEMESTER (TRADITIONAL/IT)</b>			
A	1	Odd Semester	May-June
	2	Even Semester	November-December
B	<b>ANNUAL</b>		
	Januray		

**GAUHATI UNIVERSITY**  
**INSTITUTE OF DISTANCE AND OPEN LEARNING (GUIDOL)**

**Programme Project Report(PPR)**

**PPR ID : GU/GUIDOL/PPR/08 (Total no. pages : 26 )**

**Programme: Masters of Arts (M.A.) in Philosophy**

**1. Programme Mission and Objective:**

The mission of the programme is to '*popularize the profound thoughts of great philosophers and to develop critical and analytical attitude among the students.*'

**Objective of the Programme:**

- *To popularize and give due importance to the profound thoughts of great philosophers and to develop critical and analytical attitude among the learner.*
- *To help learners to gain a broader perspective of Indian philosophy along with the thought of Western philosophy as comparative religion.*
- *To augment understanding of the current social realities entrenched in philosophical roots.*
- *To help in personal development of human being and enhance the problem-solving capacities of a learner.*
- *To generate competent and well-educated man-power for the teaching profession as well as manning positions of research associates in academic institutions*

**2. Relevance of the programme with HEI's mission and goals:**

Gauhati University was established in 1948 with a mission to revitalize educational leadership, to set the standard for the production and dissemination of knowledge as well as to become an effective instrument of change in the society. With this aim in view, the Department of Philosophy, Gauhati University was established in the year 1948 and since its inception it has ceaselessly continued in its endeavour to popularize and give due importance to the profound thoughts of great philosophers and to develop critical and analytical attitude among the students. It has pledged for excellence by providing wider exposure through broad study area coverage and superior environment for learning Philosophy. The Department aims at academic excellence and promotes higher education

পঞ্জীয়ক

গুৱাহাটী বিশ্ববিদ্যালয়, গুৱাহাটী-১৪

Registrar

Gauhati University, Guwahati-14

and research as a way forward in understanding the various aspects of philosophy of past in relation to the present. The department prides itself on experienced and quality faculty. It has a proven track record of its former students contributing to society and human thought development at national and international level. The programme offered aims to augment understanding of the current social realities entrenched in philosophical roots. The main thrust area of the study and research are Analytical Philosophy, Philosophy of Religion and Indian Philosophy.

With the aim of imparting higher education to the large number of graduates who are deprived of the opportunity to seek higher education leading to Post Graduate degree and facilitating exposure to different approaches to the study of philosophy, this programme shall be introduced in the ODL mode under the auspices of the Institute of Distance and Open Learning, Gauhati University, keeping in view the motto of “*Quality Higher Education For All*”.

**3. Nature and Target Group of Learners:** Our target group includes-

- 1) Those deprived of admission in the parent Department of regular mode due to limited intake capacity.
- 2) Those employed in various organizations who desire to pursue higher education as a passion or as a means for movement up the promotional ladder
- 3) Drop outs primarily due to social, financial and economic compulsions as well as demographic factors.
- 4) Job seekers.
- 5) Lifelong learners.

Gauhati University also has a provision in the ODL mode for *Lateral Entry* for those who had to discontinue the regular programme after successful completion of the first two semesters due to unavoidable reasons. Acceptability of the *Lateral Entry* provision is an indicator of parity of the courses in regular and distance mode. The curriculum is designed to enable learners to fulfill their aims and objectives in a manner they deem fit and proper. The curriculum is designed by a committee comprising of experts from the Department of the HEI, external experts and teachers of IDOL, keeping in view the needs of the diverse class of learners.



4. **Appropriateness of the programme to be conducted in the ODL mode for acquiring Specific skills and competence-**

M.A. in Philosophy programme to be offered in ODL mode is as relevant as that offered in the regular mode. This programme will help the learners

- To gain a broader perspective of Indian philosophy along with the thought of Western philosophy .
- To augment understanding of the current social realities entrenched in philosophical roots.
- To think critically and to aid in decision making.

5. **Instructional Design:**

a) **Curriculum Design:** The curriculum is designed by a committee comprising experts from the parent department of the HEI and GUIDOL, keeping in view the needs of the diverse group of learners.

b) **Detailed Syllabus:** File containing detailed syllabus is attached.

c) **Duration of the Program:** Minimum 2 years. However, the learners are required to complete the programme within 4 (four) years from the date of admission.

d) **Instructional Delivery Mechanism:** The programme will be delivered in four (4) semesters having four (4) courses/papers in each semester. The learners will be provided with the printed SLM which covers almost all the contents in the syllabus (Enclosure-III). Counseling classes will be held in the headquarter and various affiliated study centers. Telephonic Counseling and providing online learning resource will also be a part of instructional Delivery mechanism. The progress of the learners will be evaluated by Internal Assessment and Term end/semester end exam.

e) **Faculty:**

1. Dr. Shakuntala Bora, Associate Professor, Department of Philosophy, Gauhati University nominated as Programme Coordinator of the ODL programme in Philosophy
2. Assistant Professor/Academic Counsellor in Philosophy has been advertised and to be recruited soon.

3. Part time resource persons drawn from amongst teachers of affiliated colleges, researchers and faculty staff of the Department of HEI.
- f) **Media:** Print Media, ICT based content, content delivered through e-learning portal.
- g) **Student Support Service:** In order to successfully execute the programme, the Institute has a wide range of support services. The various support services are listed as below-
- i) **Network of Study Centers:** To assist its learner, IDOL has established 96 study centers throughout the State of Assam and within the territorial jurisdiction of Gauhati University.
- ii) **State of the art Library** with around 7 thousand collections of materials which includes books, journals, magazines, CD and DVDs.
- iii) **E- Learning Portal:** [www.bodhidroom.guidol.in](http://www.bodhidroom.guidol.in) the first of its kind in the entire North east region of India which provides the following services to the students:
- Online enrolment of students
  - Independent Discussion Forum for every course
  - Independent News Forum for every course
  - Online interaction facility with faculty members
  - Online interaction between the students making the scope of collaborative learning
  - Interaction through chatting of all users of all courses who are online.
  - Separate Chat Room for individual course
  - **Message My Teacher:** When a student logged on to Bodhidroom, after enrolling himself/herself to a course, he/she will see the names of the virtual class teachers. Student can directly send offline messages to the teachers. When the teacher is logged on, he will receive an alert of incoming messages. Then he can reply to the message.
  - Online Study Material
  - Old Examination Question Papers
- iv) **Dynamic Website** [www.idolgu.in](http://www.idolgu.in) : IDOL has its own dynamic website where one can get all the information regarding IDOL, its programme, up-coming events, examination result etc.
- v) **Computerised admission process with provision of online admissions:** The whole system of admissions and examinations are managed using professional software which gives instant online access to learners. Can be accessed through [www.idolgu.in](http://www.idolgu.in)
- vi) **Flexible Walk in Group Counselling (FWGC):** Regular group and individual counselling will be held in the IDOL (headquarter) complex as well as in the parent department during all

working days. Learners may walk-in to the designated IDOL counselling room and meet their teachers to clarify their doubts.

vii) **PERSONAL CONTACT PROGRAMME (PCP):** In addition to the Study Materials, useful Personal Contact Programmes will be held at various affiliated study centres, which will enable the students to clarify their confusions and ease their difficulty while going through it. Qualified faculty members of affiliated study centres will help out the attending students by providing necessary tips and guidelines during the interactive sessions. These sessions are also meant to give the students a chance to meet the teachers personally and discuss their problems.

viii) **Community FM Radio:** Gauhati University has its own Community radio station named as “Radio Luit 90.8 FM” and operates daily from 8AM to 8PM. The Community Radio station shall be extensively used to broadcast radio talks on various courses. The broadcast contents are designed as per the requirements by teaching staff of both the ODL Institute as well as the parent department. Experts are outsourced if the need arises.

## 6. **Procedure for Admissions, Curriculum transaction and Evaluation-**

- **Admission-** The admission process shall start from August and end by the end of September every year. The learner can go for either offline or online admission process. The minimum eligibility for M.A. in Philosophy program is graduates from any recognized Indian or Foreign university in any discipline irrespective of subject pursued. The proposed fee for admission is Rs 7000.00(Seven Thousand only) per year. Financial Assistance (Scholarship) is provided to the candidates belonging to SC/ST and OBC categories. A few learners belonging to the economically deprived section as well as the physically challenged category are provided free admission on the approval of the Honourable Vice Chancellor, Gauhati University.
- **Curriculum transaction-**The curriculum shall be transacted throughout the year as per the *Activity Planner* which is enclosed as an annexure.
- **Evaluation-** Each course/module shall carry 80% weightage for the term-end examinations and 20% for internal evaluation in the form of Home Assignments/internal examinations. In order to pass/clear a course/paper in a subject, a candidate must secure minimum 35% Marks in each course/paper. All examinations are conducted by the Controller of Examinations as per Rules and Regulations of the Gauhati University.

7. **Library Resource:** The University has a state-of-the-art Central Library with rich collections of materials which includes books, journals, magazines, CD and DVDs, and is accessible to the ODL learners as well. Moreover, the Institute has its own Library where various books, journals and magazines related to commerce education are available.

8. **Estimated cost of the Programme:** Total estimated cost of the programme is approximately Rs. 40 Lakhs which includes preparation and printing of SLMs, remuneration of the resource persons, establishment cost and overheads. The estimate is evaluated considering the unit expenses of Rs.2.5 Lakhs per paper /1000 students for the entire duration of two years.

9. **Quality assurance Mechanism and Expected Programme outcome:**

- **Quality assurance Mechanism** :The institute has a *Centre for Internal Quality Assurance (CIQA)* constituted by the statutory body of the HEI. Members of the Cell are drawn from among the Deans of the different Faculty, Heads of the respective departments, Executive Council members, administrative staff and teaching staff of the institute. The Internal Quality Assurance Cell shall review the relevance and standard of the programme from time to time and make necessary changes in the syllabus and contents of the programme. The HEI shall continuously monitor the effectiveness of the programme through *CIQA* and other statutory bodies.
- **Expected Programme outcome:** The expected programme outcome is reflected in the Course Benchmark Statement, which is stated as below:

**Course Benchmark Statement:** Master's degree in the Philosophy shall be awarded to those learners who demonstrate:

- *understanding of the current social realities entrenched in philosophical roots.*
- *the profound thoughts of great philosophers and develop critical and analytical attitude.*
- *professional competency in the relevant field.*

**Post Graduate Syllabus  
Philosophy  
(Semester System)  
Gauhati University IDOL**

**Semester-I**

- Course 101: Theory of Knowledge- Indian
- Course 102: Theory of Knowledge- Western
- Course 103: Logic- I
- Course 104: Phenomenology and Existentialism

**Semester-II**

- Course 201: Theory of Reality-Indian
- Course 202: Theory of Reality-Western
- Course 203: Analytic Philosophy
- Course 204: Comparative Religion

**Semester-III**

- Course 301: Meta-Ethics
- Course 302: Logic-II
- Course 303: Philosophy of Religion
- Course 304: Descartes

**Semester-IV**

- Course 401: Vedanta philosophy
- Course 402: Philosophy of Gandhi
- Course 403: Philosophy of Mind
- Course 404: Logical Reasoning

## Course 101. Theory of Knowledge- Indian

### Unit-I: Prama and Aprama

Classification of Jnana  
Prama and Aprama  
Debate on Memory

### Unit-II: Pramana. A

Pratyaksa: Kinds (Laukika, Alaukika) and Stages (Savikalpaka, Nirvikalpaka, Pratyabhijna)  
Anumana: Constituents and grounds of inference, Classification (Psychological, Causal, Logical)  
Sabda: Scriptural and Secular

### Unit-III: Pramana. B

Upamana, Arthapatti, Anupalabdhi  
Svatahpramanyavada  
Paratahpramanyavada

### Unit-IV: Khyativada

Anythakhyati or Viparitakhyati,  
Satkhyati, Akhyati,  
Atmakhyati, Anirvacaniyakhyati

### Books Recommended:

Chatterjee, S.C.: *Nyaya Theory of Knowledge*  
Datta, D.M.: *Six Ways of Knowing*  
Cowell E.B. & Gough, A.E.: *The Sarvadarsanasamgraha or Review of Different Systems of Hindu Philosophy*, by Madhvacarya, Motilal Benarsidass  
Devaraja, N.K.: *Advaita Theory of Knowledge*  
Kar, V.: *Indian Theories of Error*

### Books of Reference:

Dasgupta, S.N.: *History of Indian Philosophy*  
Annambhatta: *Tarkasamgraha* translated by G. N. Bhattacharya  
Motilal, B.K.: *Epistemology, Logic and Grammar in Indian Philosophy*

## Course 102. Theory of Knowledge – Western

### Unit I: Knowledge and Belief

Types of Knowledge; Relation of knowledge and belief  
JTB Account of Knowledge (Plato, Ayer, Chisholm)  
Gettier Problem and Responses

### Unit II: Scepticism

Philosophical Scepticism and its Possibility  
Rationalism as a Reply to Scepticism  
Empiricism as a Reply to Scepticism

### Unit III: Truth

Meaning and Criteria of Truth  
Classical Theories of Truth (Correspondence, Coherence, Pragmatic)  
Recent Accounts of Truth (Ramsey, Tarski, Austin, Strawson)

### Unit IV: Epistemic Justification

Foundationalism: Basic Beliefs, Arguments For and Against Foundationalism  
Coherentism: Entailment Coherentism, Explanatory Coherentism and Probability Coherentism, Argument against Coherentism  
Reliabilism: Reliable and Unreliable Belief-forming, Objection to Reliabilism

### Books Recommended:

Ayer, A.J.: *Problems of Knowledge*, Penguin Books, Print 1984  
BonJour, L. and Sosa, E.: *Epistemic Justification: Internalism vs. Externalism, Foundations vs. Virtues*, Malden: Wiley-Blackwell, 2003.  
Chisholm, R.: *Theory of Knowledge*, Englewood Cliffs: Prentice Hall, 1966  
Chisholm, R.: "A Version of Foundationalism," in *The Foundations of Knowing*, ed. R. Chisholm, Minneapolis: University of Minnesota Press, 1982.  
Griffith, A.P. (ed): *Analytic Philosophy*, Oxford University Press, London, Print 1976  
Hamlyn, D.W.: *The Theory of Knowledge*, Macmillan, 1970  
James, W.: *Pragmatism*, New York, 1907  
Lehrer K. *Knowledge*, Oxford: Clarendon Oxford Press, 1974.  
Lemos.N.: *An Introduction to the Theory of Knowledge*, Cambridge Press.  
Pitcher, G.: *Truth*, Prentice Hall, 1964  
Ramsey, F.P.: "Facts and Proposition", *Processing Aristotle Society Supp.* Vol.1927  
Tarski, A.: "The Semantic Conception of Truth", *Philosophy and Phenomenological Research*, Vol. IV, 1943-44  
Woozley, A.D.: *Theory of Knowledge*, B.I. Publication, Delhi, Print 1982

### Books of Reference:

Chakravarty, D.K.: *Fundamental questions of Epistemology and Metaphysics*, Osmons Publication, New Delhi, 2000  
Sarkar, T.K.: *Knowledge, Belief and Justification*

## Course 103. Logic-I

### Unit-I: Truth-Function

Logical Connectives and Truth tables  
Valid and Invalid Arguments  
Truth Trees

### Unit-II: Set

Set, Set Membership, Null Set  
Operation on Sets  
Symbolization of Everyday Sentences by Set Notations

### Unit-III: Ven-Diagram

Ven-Diagrammatic Representation of Propositions and Arguments  
Idea of Existential Import  
Testing Validity by Ven-diagram

### Unit-IV: Boolean Logic

Boolean Expansion  
Boolean Algebra of Classes  
Rules of Inference

### Recommended Books:

Basson and O'Connor: *Introduction to Symbolic Logic*  
Jeffery, R.: *Formal Logic its Scope and Limits*  
Suppes, P.: *Introduction to Symbolic Logic*

### Books of Reference:

Ambrose and Lazerowitz: *Fundamentals of Symbolic Logic*  
Copi, I.M.: *Introduction to Symbolic Logic*



## Course 104. Phenomenology and Existentialism

### Unit- I: Husserl

Structure of Intentionality  
Phenomenological Reduction  
Life-World

### Unit-II: Heidegger

Being and being  
*Dasein*; being-in-the-world  
Care; Temporality

### Unit-III: Sartre

Being-for-itself, Being-in-itself, Being-for-others;  
Nothingness and Existence  
Freedom and Bad Faith

### Unit-IV: Merleau Ponty

Primacy of Perception  
Limits of Phenomenological Reduction  
Philosophy of Body

### Books Recommended:

Husserl. E.: *Ideas: A General Introduction to Pure Phenomenology*, translated by W.R.Boyce Gibson, George Allen and Unwin Ltd. London, 1931.  
Heidegger, M.: *Being and Time*, trans. J. Macquarrie and E. Robinson, Basil Blackwell, Oxford, 1978.  
Merleau-Ponty, M.: *The Phenomenology of Perception*, trans. C. Smith.  
Sartre,J.P.: *Being and Nothingness*, trans. H. Barness, New York: Philosophical Library, 1956.

### Books of Reference :

Dreyfus, H.L: *Being-in-the-world A Commentary on Heidegger's Being and Time*, Division I, Cambridge, MA: MIT Press, 1991.  
Kochelmas.J.J. (ed): *A Companion to Martin Heidegger's Being and Time*, Washington, DC. Catholic University of America Press,1994.  
Moran, D.: *Introduction to Phenomenology*, London, Routledge, 2000  
Bhardra, M.K.: *A Critical Survey of Phenomenology and Existentialism*, ICPR, New Delhi, 1990.  
Smith, D.W.: 'Phenomenology' In the *Stanford Encyclopedia of Philosophy*, Winter 2003 edition, Edward N.Zalta, ed. URL= [http:// plato](http://plato)  
Thoibisana. A.: *Philosophy of Edmund Husserl*, Regency Publication, New Delhi 2016.  
Zahavi, D.: *Husserl's Phenomenology*, Stanford, California: Stanford University Press 2003

## Course 201 Theory of Reality- Indian

### Unit-I: Atman and Brahman

Brahman and God- Sankara, Ramanuja,  
Argument for existence for God- Nyaya-Vaisesika  
Self- Sankara, Ramanuja, Samkhya, Bauddha

### Unit-II: World

World- Advaita; Visistadvaita  
Prakriti, Gunas, Evolution- Samkhya  
Categories- Vaisesika; Jaina

### Unit-III: Causality

Satkaryavada  
Asatkaryavada  
Pratityasamutpada

### Unit-III: Universals

Nyaya-Vaisesika  
Advaita  
Bauddha

### Books Recommended:

Cowell E.B. & Gough, A.E.: *The Sarvadarsanasamgraha or Review of Different Systems of Hindu Philosophy*, by Madhvacarya, Motilal Banarsidass  
Dravid, R.R.: *The Problem of Universals in Indian Philosophy*, Motilal Banarsidass  
Larson, G.J.: *Classical Samkhya*, Motilal Banarsidass  
Nikhilananda, Swami: *Vedanta-Sara*, by Sadananda, Advaita Asrama  
Phillips, S.H.: *Classical Indian Metaphysics*, Motilal Banarsidass  
Radhakrishnan, S.: *Indian Philosophy*, Vol.I & II, Oxford University Press  
Shah, N.: *Jainism, The World of Conquerors*, Vol.II, Motilal Banarsidass  
Sinha, J.: *Indian Philosophy*, Vol. I & II, Motilal Banarsidass, New Delhi  
Sinha, J.: *Indian Realism*, Motilal Banarsidass  
Smart, N.: *Doctrine and Argument in Indian Philosophy*,

### Books of Reference:

Frauwallner, E.: *History of Indian Philosophy*, Motilal Banarsidass  
Hiriyanna, M.: *Outlines of Indian Philosophy*, Motilal Banarsidass  
Potter, K.H.: *Encyclopedia of Indian Philosophy*, Motilal Banarsidass  
Sharma, C.D.: *A Critical Survey of Indian Philosophy*, Motilal Banarsidass  
Dasgupta, S.N.: *A History of Indian Philosophy*, Motilal Banarsidass

## Course 202. Theory of Reality- Western

### Unit I: Realism

Plato: Theory of Forms

Aristotle: Criticism of Plato's Theory of Forms

Aristotle: Theory of form

### Unit II: Idealism

Berkeley: Subjective Idealism

Kant: Transcendental Idealism

Hegel & Bradley: Absolute Idealism

### Unit III: Substance

Descartes: God, Mind and Body

Spinoza: Substance, Attributes and Modes

Leibniz: Monadology, Theory of Pre-Established Harmony

### Causality

Hume: Theory of Constant Conjunction

Mill: Universal Law of Causation

Reichenbach: Causation and Probability

### Books Recommended:

Aristotle: *Metaphysics*, Penguin, Revised Edition 1998

Bradley, F.H.: *Appearance and Reality*, Nabu Press, 2014

Descartes, R.: *Meditations*, Cambridge University Press, Edition 2016

Hegel, G.W.F.: *Phenomenology of Spirit*, OUP USA, Revised Edition, 1979

Hume, D.: *Treatise of Human Nature*, CreateSpace Independent Publishing Platform, 2015

Hume, D.: *Enquiry Concerning Human Understanding*, OUP UK, Edition 2008

Kant, I.: *Critique of Pure Reason*, Dover Publications Inc., Edition 2004

Leibniz, G.W.: *Monadology*, Rarebooksclub.com, 2012

Mill, J.S.: *A System of Logic, Ratiocinative and Inductive*, Nabu Press, 2010

Plato: *Republic*, Penguin, Edition 2007

Reichnebach, H.: *Experience and Prediction*, 1938

Reichnebach, H.: *The Theory of Probability*, 1949

Reichnebach, H.: *The Rise of Scientific Philosophy*, 2002

Spinoza, B.: *Ethics*, Penguin, 1996

### Books for Reference:

Copleston, F.C.: *History of Philosophy*, Continuum International Publishing Group Ltd., 2003

Edward, P. & Floridi, L (ed): *Routledge Encyclopedia of Philosophy*, Taylor & Francis, 1998

Hamlyn, D.W.: *Metaphysics*, Cambridge University Press; 1st Edition, 1984

Poidevin, R., Simons, P., McGonigal, A., Cameron, R.P. (ed): *The Routledge Companion To Metaphysics*

Sosa, E, Tooley, M. (ed): *Causation*, Oxford university Press, 1993

Walsh, W.H.: *Metaphysics*, Hutchinson, 1963

## Course 203. Analytic Philosophy

### Unit –I: Moore and Russell

Moore: Defence of Commonsense

Russell': Logical Atomism

Russell: Theory Description

### Unit-II: Wittgenstein

Picture Theory, Fact

Concept of Philosophy

Language Games

### Unit- III: Ryle and Austin

Ryle: Knowing That and Knowing How; Disposition and Occurrences

Austin: Performative/ Constatative

Austin: Speech Act Theory

### Unit-IV: Quine and Strawson

Two Dogmas of Empiricism

P.F. Strawson's Concept of Person

Freedom and Resentment (Strawson)

### Books recommended:

Ammerman, R.R. (ed): *Classics of Analytic Philosophy*

Austin, J.L.: *How to Do Things with Words*

Gross, B.R.: *Analytic Philosophy*

Kenny, A.: *Wittgenstein*

Moore, G.E.: 'Defence of Common Sense'

Quine, W.V.O.: 'Two Dogmas of Empiricism'

Russell, B.: *Logical Atomism*

Russell, B.: 'On Denoting'

Ryle, G.: *Concept of Mind*

Schlipp, P.A.: *The Philosophy of G.E. Moore*

Searle, J.R.: *Philosophy of Language*

Strawson, P.F.: *Individuals*

Stroll, A.: *Twentieth Century Analytic Philosophy*, Motilal Banarsidass

Urmson, J.O.: *Philosophical Analysis*

### Books of Reference:

Banu, B.B.: *Gilbert Ryle: Philosophy of Mind*, Royal Book Publisher, New Delhi

Goswami, S.: *Persons*

Lenka, L.: *Quine's Philosophy*, Northern Book Centre

Pradhan, R.C.: *Recent Developments in Analytic Philosophy*

## Course 204. Comparative Religion

### Unit-I: Hinduism

Varnashrama Dharma and Purusarthas,  
Law of Karma and Liberation  
Bhakti – Ramanuja and Sankaradeva

### Unit-II: Islam

Role of Muhammad  
Five Pillars of Islam  
Islamic Ethics

### Unit-III: Christianity

Original Sin, Atonement and Redemption  
Role of Jesus Christ  
Christian Ethics

### Unit-IV: Buddhism and Jainism

Bauddha- Law of Karma  
Bauddha- Morality  
Jaina- Triratna, Mahavratas

### Books Recommended:

Bouquet, A.C.: *Comparative Religion*  
Chatterjee, P.B.: *Studies in Comparative Philosophy*  
James: *Comparative Religion*  
Zachner, R.C.: *Comparative Religion*  
Eliade, M.: *Comparative Religion*

### Books of Reference:

Radhakrishnan, S.: *Eastern Religion and Western Thought*  
Zachner, R.C.: *Concord and Discord*  
Wach, J.: *Comparative Study of Religion*  
Hastings (ed): *Encyclopaedia of Living Faith* (Relevant Articles)

## Course 301. Meta-Ethics

### Unit-I: Cognitivism

Cognitivism and Moral Realism

Ethical Naturalism and Descriptivism

Ethical non-naturalism- G.E. Moore's Indefinability of good

### Unit- II: Non-Cognitivism

Ayer: Emotivism

Stevenson: Emotivism

Hare: Prescriptivism

### Unit- III: Substantial Theory

Moral Universalism

Moral Relativism

Moral Absolutism

### Unit- IV: Is-Ought Problem

Is-Ought Controversy

Hume's view and its Interpretations

Question of Derivability of 'Ought' from 'Is'

### Books Recommended:

Ayer, A.J.: *Language, Truth and Logic*

Hudson, W.T.: *Introduction to Modern Moral Philosophy*

Hudson, W.T.: *Is-Ought Question*

Moore, G.E.: *Principia Ethica*

Stevenson, C.L.: *Ethics and Language*

Hare, R.M.: *Language of Morals*

Hume, D.: *Treatise of Human Nature*

Edward, P.: *Encyclopedia of Philosophy*

Chakravarty, D.K.: *Problems of Analytic Ethics*

## Course 302. Logic-II

### Unit-I: History of the Development of Logic

Aristotelian logic

Development of Symbolic Logic: Leibniz, De Morgan, Boole,

Development of Symbolic Logic: Frege, Russell, Whitehead

### Unit-II: Argument and Argument Form

Concepts of Argument and Argument Form

Truth and Validity, Justification and Implication

Formal Proofs of Validity

### Unit-III: Quantification

Singular and General Propositions

Quantifier- Universal and Existential

Arguments involving quantifier

### Unit-IV: Logic of Relations

Symbolizing Relations

Arguments involving Relations

Attributes of Relation

### Books Recommended:

Bochenski, I.M.: *Ancient Formal Logic*, North Holland Publishing Company, Amsterdam

Chakraborti, C.: *Logic: Informal, Symbolic and Inductive*, PHI, New Delhi, 2009

Copi, I.M.: *Symbolic Logic*

Dumitriu: *History of Logic*, Vol.I, translated by Z. Duiliu and others, Abacus Press, England, 1977

Kneale, W and Kneale, M: *The Development of Symbolic Logic*, Oxford University Press, London, 1968

Lukasiewicz, J.: *Aristotle's Syllogistic*, Oxford at the Clarendon Press

## Course 303. Philosophy of Religion

### Unit-I: Religious Concepts

Faith and Revelation  
Idea of the Holy  
Soul and Immortality

### Unit-II: Challenges to Religious Belief

Problem of Evil  
Logical Positivism  
Marxist Criticism of Religion

### Unit- III: Arguments for Existence of God

Ontological  
Cosmological  
Teleological; Moral

### Unit- IV: Theories of Religion

Deism  
Monotheism  
Pantheism

### Recommended Books:

Edward, M.: *An Introduction to Philosophy of Religion*  
Hick, J.: *Classical and Contemporary Readings in the Philosophy of Religion*  
Lotze: *Philosophy of Religion*  
Mitchell: *Philosophy of Religion*  
Otto, R.: *The Idea of the Holy*

### Books of Reference:

Galloway: *The Philosophy of Religion*  
Hastings (ed): *Encyclopaedia of Religion and Ethics* (Relevant Articles)  
Hick, J.: *The Evil and the God of Love*  
Sarma, S.: *Religious Philosophy of Rudolf Otto*  
Smart: *Religion and Faith*  
Tilich, P.: *Systematic Theology*



## Course 304. Descartes

### Unit-I: Cartesian Method

Methodological Scepticism  
Intuition and Deduction  
Criticism of Cartesian Method

### Unit-II: Cogito Ergo Sum –Interpretations

A.J. Ayer  
B.Williams  
Hintikka

### Unit-III: Substance

Cartesian Concept of Substance- Primary and Secondary  
Ontological argument  
Criticism: Plantinga

### Unit-IV: Mind-Body Dualism

Cartesian Interactionism  
Critical Evaluation: Ryle  
Critical Evaluation: Searle

### Books Recommended:

Ayer, A.J.: *Problem of Philosophy*.

Descartes. R.: *Discourse on Method*, Oxford World's Classics, 2009.

Descartes. R.: *Meditations on First Philosophy*, Oxford World's Classics, 2008.

Dimitriu: *History of Logic*, Vol.I, translated by Z. Duiliu and others, Abacus Press, England

Hintikka. J.: 'Cogito, Ergo Sum: Inference or Performance', *The Philosophical Review*, Vol 71., No.1. Jan.1962 pp. 3-32. retrived from <http://www.jstor.org/stable.2183678> doci:1

Malcolm. N.: 'Dreaming and Skepticism', *The Philosophical Review*, Vol.65. No. 1 Jan. 1956, pp.14-37.

Plantinga, A.: *Faith and Rationality: Reason and Belief in God*, University of Notre Dame Press, 1983.

Ryle, G.: *The Concept o Mind*, University of Chicago Press, 2000.

Searle, J. R.: *Mind: A Brief Introduction*, Oxford and New York, Oxford University Press, 2004

William, B.: *Descartes: The Project of Pure Inquiry*, Penguin, 1978.

### Books of Reference :

Cottingham.J.: *The Cambridge Companion to Descartes*, Cambridge University Press,1992.

Doney.W. (ed): *Descartes: A Collection of Critical Essays*, Macmillan, 1967.

Smith N.K.: *Descartes' Philosophical Writings*, Macmillan, 1952.

## Course 401. Vedanta

### Unit-I: Advaita Vedanta (Sankara)

Brahman and Atman  
Maya and Avidya  
Liberation

### Unit-II: Visistadvaita (Ramanuja)

Brahman/Isvara, Cit, Acit  
Arguments against Maya  
Liberation

### Unit-III: Bhedabheda (Bhaskara) and Dvaitadvaita (Nimbarka)

**Bhedabheda:** Brahman, God, Modification of Brahman into world, Self  
**Bhedabheda:** Criticism of Sankara and Bauddha  
**Dvaitadvaita:** Brahman, Jiva, Acit

### Unit-IV: Dvaita (Madhva) and Suddhadvaita (Vallabha)

**Dvaita:** Visesa, Reality of Difference, Categories  
**Dvaita:** Brahman/God, Prakṛti, Jiva  
**Suddhadvaita:** Brahman, World, Jiva, Divine Grace

### Recommended Books:

Balasubramaniam, R.: *The Traditions of Advaita*, Munshiram Manoharlal  
Mahadevan, T.M.P.: *Invitation to Indian Philosophy*,  
Mahadevan, T.M.P.: *The Philosophy of Advaita*, Bharatiya Kala Prakashan  
Mrudula, I.M.: *The Philosophy of Vallabhacarya*, Munshiram Manoharlal Publishers Pvt Ltd  
Nikhilananda, Swami: *Vedanta-Sara*, by Sadananda Yogindra, Advaita Asrama  
Radhakrishnan, S.: *Indian Philosophy*, Vol.II, Oxford India  
Sinha, J.: *Indian Philosophy*, Vol. II, III, Motilal Banarsidass  
Srnivasachari, P.N.: *The Philosophy of Bhedabheda*, Nabu Press  
Srnivasachari, P.N.: *The Philosophy of Visistadvaita*, Orient Book Distribution  
Srinivasacari, S.M.: *Advaita and Visistadvaita*, Motilal Benarsidass  
Tapasyananda, Swami.: *Bhakti Schools of Vedanta*, Ishi Press International  
Thibault, G.: *Vedantasutras with Commentaries of Sankara and Ramanuja*

### Books for Reference:

Cowell E.B. & Gough, A.E.: *The Sarvadarsanasamgraha or Review of Different Systems of Hindu Philosophy*, by Madhvacarya, Motilal Benarsidass  
Potter, K.H.: *Encyclopedia of Indian Phiosophy*, Motilala Benarsidass  
Radhakrishnan, S.: *Brahmasutra*, George Allen and Unwin, London

## Course 402. Philosophy of Gandhi

### Unit-I: Religion and Morality

Gandhi's Concept of Religion,  
God, Truth, Non-Violence  
Morality, Ends and Means

### Unit-II: Political Philosophy

Swaraj, Satyagraha, Non-cooperation,  
Gandhi's Concept of Democracy  
World Peace

### Unit-III: Economic Philosophy

Concept of Equality, Bread labour  
Decentralisation, Cottage and Small-Scale Industry, Khadi, Critique of Industrialization  
Trusteeship

### Unit-IV: Social Philosophy

Sarvodaya and Swadeshi  
Critique of Untouchability  
Concept of Education

### Books Recommended:

Bose N.K.: *Selections from Gandhi*  
Gandhi: *Collected Works* (Relevant Articles)  
Gandhi: *Hind Swaraj* (Textual Study)  
Patil.V.T (ed): *Studies on Gandhi*

### Books for Reference:

Barua, M.: *Religion and Gandhian Philosophy*  
Bihar B.: *Gandhi's Economic philosophy.*  
Gandhi M.K.: *My Religion*  
Ganguly B.N.: *Gandhi's Social Philosophy*  
Kher V.B (ed): *In Search of the Supreme, Vol. I, II and III.*  
Mashrula K.G.: *Gandhi and Marx*  
Parekh Bhikhu.: *Gandhi's Political Philosophy*  
Singh R.: *Relevance of Gandhi's Philosophy*

## Course 403. Philosophy of Mind

### Unit-I: Personal Identity

Problem of Personal Identity, Criteria, Puzzle Cases  
Physicalistic Theories of Personal Identity  
Psychological Theories Personal Identity

### Unit-II: Problem of Other Minds

Problem: Epistemological, Conceptual  
Argument from Analogy  
Critique of Argument from Analogy by Wittgenstein and Strawson

### Unit-III: Externalism and Internalism

Externalism: Hilary Putnam  
Internalism: Jerry Fodor  
Internalism: Brian Loar and David Chalmers

### Unit-IV: Qualia

Arguments for Existence of Qualia  
Critics of Qualia  
Proponents of Qualia

### Books Recommended:

Vassey, G.: *Personal Identity*  
Williams, B.: *Problems of the Self*  
Hamlyn, D.W.: *Theory of Knowledge*  
Gustafson: *Essays in Philosophical Psychology*  
Fesser, E.: *Philosophy of Mind*  
Cooney, B.: *The Place of Mind*

### Books of Reference:

Chisholm, R.M.: *Person and Object*  
Martin, R. and Barresi, J. (ed): *Personal Identity*, Oxford Blackwell, 2003  
McGinn, C.: *The Character of Mind*, Oxford University Press, 1996  
Searle, J.R.: *Mind- A Brief Introduction*, Oxford University Press, 2004  
Shakuntala: *Enquiry into Nature of Self*, Jijnasa Publication, Guwahati

## **Course 404. Logical Reasoning**

### **Unit-I: Introduction to Logic**

Introduction to Logic and Reasoning

Reasoning in Everyday Life; Working out Exercises

Laws of Thought: Identity, Contradiction and excluded Middle

### **Unit-II: Informal Logic**

Arguments: Characteristics and Structure

Concepts of Validity and Truth

Deduction and Induction, Formal and Informal Arguments

### **Unit-III: Fallacies**

Fallacies in Informal Logic

Fallacies in Deductive Logic

Fallacies in Inductive Logic

### **Unit-IV: Symbolic Logic**

Propositional Logic- Simple and Compound Statements,

Truth-Function

Truth Table

### **Books Recommended:**

Chakraborty, C.: *Logic, Informal, Symbolic and Inductive*

Copi, I.M.: *Introduction to Symbolic Logic*

Copi, and Cohen.: *Introduction to Logic*

Enclosure: II (Academic Planner)

**ACADEMIC CALENDAR**  
**Gauhati University Institute of Distance and Open Learning**  
**Guwahati- 781014, Assam**

<b>ADMISSION</b>			
<b>SEMESTER (TRADITIONAL PROGRAMME)</b>			
A	1	Fresh	July-September
	2	Continuation	July-September
<b>SEMESTER (IT PROGRAMMES)</b>			
B	1	Fresh	July-September
	2	Continuation	Odd Semester (July-September)
			Even Semester (January-February)
<b>ADMISSION TEST FOR M.Sc. IT PROGRAMME</b>			
C	August		
<b>ANNUAL PROGRAMMES</b>			
D	1	Fresh	July-September
	2	Continuation	July- September
<b>DISTRIBUTION OF SLM</b>			
<b>SEMESTER/ANNUAL (TRADITIONAL PROGRAMMES)</b>			
A	1	Fresh	July-October
	2	Continuation	July-October
<b>SEMESTER (IT PROGRAMMES)</b>			
B	1	Odd Semester	July-October
	2	Even Semester	Jan-March
<b>CONTACT CLASSES</b>			
<b>SEMESTER (TRADITIONAL PROGRAMMES)</b>			
A	1	Odd Semester	September-December
	2	Even Semester	March-June
<b>SEMESTER (IT PROGRAMMES)</b>			
B	1	Odd Semester	September-December
	2	Even Semester	March-June
<b>ANNUAL PROGRAMME</b>			
C	1	Previous	December-May
	2	Final	December-May
<b>EXAMINATION : TERM END</b>			
<b>SEMESTER (TRADITIONAL/IT)</b>			
A	1	Previous	July-August (All Sundays)
	2	Final	July-August (All Sundays)
<b>ANNUAL</b>			
August-September (All Sundays)			
B	<i>Schedule may change as per directive of the controller of Examination, GU/Govt. of Assam</i>		

<b>EXAMINATION: Sessional (OMR based Internal Examination)</b>			
A	<b>SEMESTER (TRADITIOAN/IT)</b>		
	1	Odd Semester	November
	2	Even Semester	May
<b>ANNUAL</b>			
January			
<b>DECLARATION OF RESULT (Term End)</b>			
<b>SEMESTER (TRADITIONAL/IT)</b>			
A	1	Odd Semester	May-June
	2	Even Semester	November-December
B	<b>ANNUAL</b>		
	Januray		

### ENCLOSURE-III

#### SLM covering syllabus

Semester	Paper No	Paper Name
<b>I</b>	<b>101</b>	Theory of Knowledge- Indian
	<b>102</b>	Theory of Knowledge- Western
	<b>103</b>	Logic-I
	<b>104</b>	Phenomenology and Existentialism
<b>II</b>	<b>201</b>	Theory of Reality- Indian
	<b>202</b>	Theory of Reality- Western
	<b>203</b>	Analytic Philosophy
	<b>204</b>	Comparative Religion
<b>III</b>	<b>301</b>	Meta-Ethics
	<b>302</b>	Logic-II
	<b>303</b>	Philosophy of Religion
	<b>304</b>	Descartes
<b>IV</b>	<b>401</b>	Vedanta Philosophy
	<b>402</b>	Philosophy of Gandhi
	<b>403</b>	Philosophy of Mind
	<b>404</b>	Logical Reasoning



**GAUHATI UNIVERSITY  
INSTITUTE OF DISTANCE AND OPEN LEARNING**

**Programme Project Report**

**PPR ID : GU/GUIDOL/PPR/05 (Total no. pages : 19 )**

**Programme: Master of Arts in Political Science**

**1. Programme mission and objective:**

The mission of the Programme to be launched is *"to communicate the knowledge of Political Science as an academic discipline among diverse groups and to meet the demand of higher education in this field by reaching the unreached."*

***Objectives of the Programme:***

- *To apply the knowledge of Political Science to serve the needs and problems of the society, particularly of the North East India*
- *To develop new knowledge in the field of Political Science through scholastic inquiry*
- *To prepare the learners for active citizenship and informed participation in a complex society*
- *To enable the learners to think about politics and through this, to develop their conceptual and verbal skills*
- *To foster critical independent thinking about political and public life in the present context*
- *To generate competent and well-educated man-power for the teaching profession, administration as well as manning positions of research associates in public/private sector academic institutions.*

**2. Relevance of the programme with HEI's mission and goals:**

Gauhati University was established in 1948 with a mission to revitalize educational leadership, to set the standard for the production and dissemination of knowledge as well as to become an effective instrument of change in the society. With this aim in view, the department of Political Science was established in the year 1958 and is regarded as the pioneer of teaching and research in Political Science in the North-eastern region. The



পঞ্জীয়ক

গুৱাহাটী বিশ্ববিদ্যালয়, গুৱাহাটী-১৪

Registrar

Gauhati University, Guwahati-14

department has produced over the years a large number of alumni who have made their mark in various fields of public life including higher education, administration, politics and social work. The vision of the department is to set up a symbiotic relationship and a vibrant network with institutions of higher learning and research, to achieve higher academic excellence and to strengthen its societal interface while anchoring firmly to the issues, needs and aspirations of the people of the North East.

In alignment with the aims and objective of the parent department, the M.A. Programme in Political Science to be offered through Gauhati University Institute of Distance and Open Learning (GUIDOL) aims to provide quality higher education in Political Science to those aspiring candidates who are deprived of higher education. Moreover, to keep the quality intact the curriculum and syllabus is designed at par with the conventional mode keeping in mind the specific needs and acceptability of the learners in the ODL mode.

3. **Nature and target group of learners:** Our target group includes-

- 1) those deprived of admission in the parent department of regular mode due to limited intake capacity.
- 2) those employed in various organizations who desire to pursue higher education as a passion or as a means for movement up the promotional ladder.
- 3) drop outs primarily due to social, financial and economic compulsions as well as demographic factors.
- 4) job seekers.

Gauhati University also has a provision in the ODL mode for lateral entry for those who had to discontinue the regular programme after successful completion of the first two semesters due to unavoidable reasons. Acceptability of the lateral entry provision is an indicator of parity of the courses in regular and distance mode. The curriculum is designed to enable learners to fulfill their aims and objectives in a manner they deem fit and proper. The curriculum is designed by a committee comprising of experts from the department of the HEI, external experts and teachers of IDOL, keeping in view the needs of the diverse class of learners.

4. **Appropriateness of the programme to be conducted in the ODL mode for acquiring specific skills and competence-** The M.A. programme in Political Science to be offered

through ODL Mode will have certain learning outcomes. This programme will help the learners:

- to enhance and develop knowledge and understanding of the theoretical and practical foundations of Political Science as a subject.
- to accumulate the skills necessary to apply Political Science in appropriate job setting
- to understand the various emerging environmental issues, international affairs, state policies and conflicts both domestic and international
- to identify value conflicts in public issues

**5. Instructional Design:**

a) **Curriculum Design:** The curriculum is designed by a committee comprising experts from the parent department of the HEI and IDOL, keeping in view the needs of the diverse group of learners.

b) **Detailed Syllabus:** File containing detailed syllabus is attached.

c) **Duration of the Program:** Minimum 2 (two) years. However, the learners are required to complete the programme within 4 (four) years from the date of admission.

d) **Instructional Delivery Mechanism:** The programme will be delivered in four(4) semesters having four(4) course/paper in each semesters. The learners will be provided with the printed SLM which covers almost all the contents in the syllabus (*Enclosure-III*). Counseling classes will be held in headquarter and various affiliated study centres. Telephonic Counseling and providing online learning resource will also be a part of instructional Delivery mechanism. The progress of the learners will be evaluated by Internal Assessment and Term end/semester end examinations.

**e) Faculty:**

1. Dr. Barnalee Choudhury, M. A, Ph.D - - Co-ordinator cum Asstt. Professor, GUIDOL (full time)
2. Dr. Chayanika Sarma, M. A, Ph.D - Asstt. Professor, GUIDOL (full time)
3. Ms. Jonaki Dutta, M. A - Asstt. Professor, GUIDOL (full time)
4. Resource persons from amongst faculties of HEI and affiliated colleges.

- f) **Media:** Print Media, ICT enabled tools and e-Learning Portal
- g) **Student Support Service:** In order to successfully execute the programme, a wide range of support services are provided to the ODL learners. The various support services are listed as below-
- i) Network of Study Centres: To assist its learner IDOL has established 96 study centres (List Enclosed) throughout the State of Assam but within the territorial jurisdiction of Gauhati University.
  - ii) **State of the art Library** with around 7000 collections of materials which includes books, journals, magazines, CD and DVDs.
  - iii) **E- Learning Portal:** [www.bodhidroom.guidol.in](http://www.bodhidroom.guidol.in) the first of its kind in the entire North East region of India which provides the following services to the students:
    - Online enrolment of students
    - Independent Discussion Forum for every course
    - Independent News Forum for every course
    - Online interaction facility with faculty members
    - Online interaction between the students making the scope of collaborative learning
    - Interaction through chatting of all users of all courses who are online.
    - Separate Chat Room for individual course
    - **Message My Teacher:** When a student logs in to Bodhidroom, after enrolling himself/herself to a course, he/she will see the names of the virtual class teachers. Student can directly send offline messages to the teachers. When the teacher is logged on, he/she will receive an alert of incoming messages. Then he/she can reply to the message.
    - Online Study Material
    - Old Examination Question Papers
  - iv) **Dynamic Website** [www.idolgu.in](http://www.idolgu.in) : Gauhati University has a dedicated dynamic website for ODL learners where one can get all the information regarding its programmes, up-coming events, examination results etc.
  - v) **Computerised admission process with provision of online admissions:** The whole system of admissions and examinations are managed using professional

software which gives instant online access to learners. It can be accessed through [www.idolgu.in](http://www.idolgu.in) .

vi) **Flexible Walk in Group Counselling (FWGC)**: Regular group and individual counselling will be held in the IDOL (headquarter) complex as well as in the parent department during all working days. Learners may walk-in to the designated IDOL counselling room and meet their teachers to clarify their doubts.

vii) **PERSONAL CONTACT PROGRAMME(PCP)** :In addition to the Study Materials, useful Personal Contact Programmes will be held at various affiliated study centres, which will enable the students to clarify their confusions and ease their difficulty while going through it. Qualified faculty members of affiliated study centres will help out the attending students by providing necessary tips and guidelines during the interactive sessions. These sessions are also meant to give the students a chance to meet the teachers personally and discuss their problems.

viii) **Community FM Radio**: Gauhati University has its own Community radio station named as “Radio Luit 90.8 FM” and operates daily from 8AM to 8PM. The Community Radio station shall be extensively used to broadcasts radio talks on various courses daily. The broadcast contents are designed as per the requirements by teaching staff of both the ODL Institute as well as the parent department. Experts are outsourced if the need arises.

## **6. Procedure for Admissions, Curriculum transaction and Evaluation-**

**Admission-** The admission process starts from August and ends by the end of September every year. The learner can go for either offline or online admission process. The minimum eligibility for M.A. programme in Political Science is graduate from any recognized Indian or Foreign university. The proposed fees for admission is Rs 7000.00(Seven Thousand only) per year. Financial Assistance is/ shall be provided to the candidates belonging to SC/ST and OBC categories in the form of scholarship. A few learners belonging to the economically deprived section as well as the physically challenged category shall be/ are provided free ship on the recommendation of the Hon'ble Vice-Chancellor.

\* **Curriculum transaction- Activity Planner:**

\* **Evaluation-** Each course/paper shall carry 80% weightage for the term-end examinations and 20% for internal evaluation in the form of Home Assignments/internal examinations. In order to pass/clear a course/paper, a candidate must secure minimum 35% marks in each course/paper. All examinations are conducted by the Controller of Examinations as per examination rules and regulations of Gauhati University.

7. **Library Resource:** The University has a State of the Art Central Library with rich collections of materials which includes books, journals, magazines, CD and DVDs, and is accessible to the ODL learners as well. Moreover, the Institute has its own Library where various books, journals and magazines are available.

Gauhati University being a member of UGC-Infonet Digital Library Consortium (<http://www.inflibnet.ac.in/econ/index.php>) which provides current as well as archival access to more than 5000 core and peer-reviewed journals and nine bibliographic databases from 23 publishers and aggregators in different disciplines. The ODL learners can access the e-resources of UGC-Infonet Digital Library Consortium from the Gauhati University campus.

8. **Estimated cost of the Programme:** total estimated cost of the programme is approximately Rs. 40 Lakhs which includes preparation and printing of SLMs, remuneration of the Resource persons, establishment cost and overheads. The estimate is evaluated considering the unit expenses of Rs.2.5 Lakhs per paper /1000 students for the entire duration of two years.

9. **Quality assurance Mechanism and Expected Programme outcome** The institute has a *Centre for Internal Quality Assurance (CIQA)* constituted by the statutory body of the HEI. Members of the Cell are drawn from among the Deans of the different Faculty, Heads of the respective departments, Executive Council members, administrative staff and teaching staff of the institute. The Internal Quality Assurance Cell shall review the relevance and standard of the programme from time to time and make necessary changes in the syllabus and contents of the programme. The HEI shall continuously monitor the effectiveness of the program through *CIQA* and other statutory bodies.

The expected programme outcome is reflected in the Course Benchmark Statement, which is stated as below-

**Course Benchmark Statement:** Master's degree in Political Science shall be awarded to those learners who demonstrate:

- The understanding of the theoretical and practical foundation of Political Science
- Skills necessary to apply Political Science in appropriate job setting
- Awareness regarding various contemporary issues such as peace, environment, international affairs, state policies and domestic as well as international conflicts
- The ability to identify value conflicts in public issues

# Syllabus

## Political Science



**Institute of Distance and Open Learning  
GAUHATI UNIVERSITY**

**Syllabus for MA in Political Science  
Institute of Distance and Open Learning  
Gauhati University**

**Total no of Papers: 16 (All Compulsory)  
Total credits : 120**

### **First Semester:**

Paper I	Political Theory (I)	8
Paper II	International Politics: Theoretical Aspects	6
Paper III	Politics in India (I)	8
Paper IV	Public Administration: Theories and Concepts	8

### **Second Semester:**

Paper V	Political Theory: II	8
Paper VI	International Relations in The Contemporary Period	8
Paper VII	Politics in India –II	8
Paper VIII	Indian Administration	6

### **Third Semester:**

Paper IX	Comparative Politics	6
Paper X	Rural Development in India	8
Paper XI	Political Sociology	8
Paper XII	Government and Politics in North East India	8

### **Fourth Semester:**

Paper XII	Research Methods in Social Science	8
Paper XIV	Human Security in South-Asia	6
Paper XV	Comparative Public Administration	8
Paper XVI	Human Rights in India	8



## First Semester

### PAPER I POLITICAL THEORY (I)

This paper will introduce you to the ideas of Western and Indian Political Thinkers. The first block of this paper will introduce the students to the Greek Political Thinkers like Plato and Aristotle. The second block will help the students to explore the ideas of Medieval Thinkers, like St. Augustine, St. Thomas Aquinas and the ideas of Machiavelli as a modern thinker. The third block of this paper will familiarize the students with the ideas of emergence of states with reference to the writings of Hobbes, Locke and Rousseau. The block also helps the students to understand two most important ideologies like Individualism and Liberalism. The fourth block discusses the ideas of Utilitarianism and Idealism. This block will introduce the students with the philosophy of Bentham, Mill and Hegel in the light of Utilitarian and Idealist philosophy. The last block of this paper discusses Indian Political Traditions which will help the students to explore the ideas of modern Indian political thinkers, like Gandhi, Nehru and Ambedkar. Hence this paper will introduce the students with the Political philosophy from classical to modern period.

#### **Block I: Greek Political Tradition**

Unit I: Plato

Unit II: Aristotle

#### **Block II: Reaction To Medieval Tradition- The Renaissance: Political**

Theory of Niccolo Machiavelli

Unit I: Medieval Tradition

Unit II: Machiavelli

#### **Block III : Individualism and Liberalism**

Unit I: Thomas Hobbes

Unit II: John Locke

Unit III: Rousseau

#### **Block IV: Utilitarianism and Idealism**

Unit I: Jeremy Bentham

Unit II: J S Mill

Unit III: Idealism: Hegel

#### **Block V: Modern Indian Political Thinkers**

Unit I: Philosophical Foundations of Gandhian Political Thought

Unit II: Nehru: Nation-Building and Democracy

Unit III: Ambedkar on Caste and Social Justice

### Paper II: 6 credits

#### **INTERNATIONAL POLITICS: THEORETICAL ASPECTS**

This paper is an attempt to introduce the students with different approaches to the study of International Politics and some important ideologies which are regarded as the foundation of a nation in the international arena. The first block of this paper will help the students to understand International Politics as a field of study along with different approaches and theories to the study of International Politics. In the second block of this paper an attempt is made to introduce the students with two most important elements of International Politics i.e. power and ideology. These two phenomena help a nation to achieve their desired goals in the international arena and all international events are revolved around these two. The third block of this paper discusses the meaning and role of Foreign Policy and Diplomacy in International Politics. In the last block an attempt is made to explain the process used by the world community to bring peace and prosperity. Since the Second World War efforts have been made to establish a stable world order. In this block an attempt is made to explain Disarmament and Arms control as a tool of reducing tensions among the nations. Thus this paper will introduce the students with the concept of International Politics.

#### **Block I: Approaches to International Politics**

Unit I: Introduction to International Politics

Unit II: International Politics: Approaches and Theories

## **Block II: Power and Ideology in International Politics**

Unit I: Power in International Politics

Unit II: Ideology in International Politics

## **Block III: Foreign Policy and Diplomacy**

Unit I: Foreign Policy

Unit II: Diplomacy

## **Block IV: Disarmament and Arms control**

Unit I: Disarmament and Arms Control

Unit II: Regimes of Arms Control

## **Paper III: 8 credits**

### **POLITICS IN INDIA (I)**

This paper will introduce the students with the dynamics of Indian Political System. In this paper an attempt is made to explain the present Indian Political System as a legacy of colonial period. This paper also helps the students to understand the legal structure of Indian federation along with the Rule of Law, Fundamental Rights, role of Judiciary, extra-constitutional provisions, All India Services and the limitation of the state power. The paper also deals with Socio-Economic Foundation and Ideological Bases of the Indian state, which discusses the role of Class, Caste and Gender in Indian Politics. In this paper an attempt is made to introduce the students with the federal structure of India and its related problems in terms of distribution of powers between Centre and the State Governments. This paper also provides you the basic idea of Parliamentary Democratic system of India along with its functioning. Thus, this paper will help the students to explore the ideas of Indian Political System since the colonial period.

### **Block: I Nature of Indian State**

Unit I: Legacy of Colonialism and Freedom Movement

Unit II: Constitutional Framework of the Indian State

Unit III: Socio-economic Foundation and Ideological Bases of the Indian State

## **Block : II Nature and Functioning of Indian Federalism**

Unit I: Federal Structure and its Dynamics

Unit II: Center-State Relations

Unit III: Centralization Vs. Decentralization

## **Block: III Parliamentary Democracy in India**

Unit II: Issues of Accountability in India's Parliamentary Democracy

Unit III: Indian Parliament: Rajya Sabha and Lok Sabha and Legislative Procedure in India

## **Paper IV: 8 credits**

### **PUBLIC ADMINISTRATION: THEORIES AND CONCEPTS**

This paper will introduce the students with the theories and concepts of Public Administration. This paper will help the students to understand the meaning of Public Administration. The first block of this paper deals with the meaning, nature and significance of Public Administration along with the evolution of Public Administration as a field of study. The second block of this paper will help the students to explore the nature and evolution of Public Administration in the light of different theories, like Scientific Management Theory, Human Relation Theory, Bureaucratic Theory and Ecological Theory. The third block is about administrative processes, where we shall discuss Communication, Co-ordination, Leadership and Motivation as a tool of improving efficiency in Administration. In the last block an attempt is made to explain some contemporary issues of Public Administration, like Good Governance, Public Relation, Accountability, and Ombudsman. This block helps the students to understand the very nature of public administration in terms of its relation with the common people. Thus this paper helps the students to understand different prospects of Public Administration.

**Block: I Nature, Significance and Evolution**

Unit II: Nature and Scope

Unit III: Significance of the Study of Public Administration

Unit IV: Evolution of Public Administration

**Block: II Administrative Theories**

Unit I: Scientific Management Theory

Unit II: Human Relation Theory

Unit III: Bureaucratic Theory

Unit IV: Ecological Theory

**Block: III Administrative Process**

Unit I: Communication

Unit II: Co-ordination

Unit III: Leadership

Unit IV: Motivation

**Block: IV Contemporary Issues**

Unit I: Governance and Human Rights

Unit II: Public Relation

Unit III: Ombudsman

Unit IV: Accountability

**Second Semester****Total No. of Papers: 4****Total Blocks: 10****Total units: 32****Paper V: 8 credits****POLITICAL THEORY: II**

This paper will deal with the Classical as well as Contemporary ideologies. The first block of this paper will introduce the students to the Classical ideas like Liberty, Equality,

Justice, Democracy State and Citizenship. Focus will be laid on the meaning and evolution of these ideas. The second block will deal with the Classical Ideologies like Liberalism, Socialism and Nationalism. In the last block attempt has been made to explain the Contemporary Ideologies like Feminism and Multiculturalism.

**Block I: Classical Ideas**

Unit I: Liberty and Equality

Unit II: Justice

Unit III: Democracy

Unit IV: State and Citizenship

**Block II: Classical Ideologies**

Unit I: Liberalism

Unit II: Socialism

Unit III: Nationalism

**Block III: Contemporary Ideologies**

Unit I: Feminism

Unit II: Multiculturalism

**Paper VI: 8 credits****INTERNATIONAL RELATIONS IN THE  
CONTEMPORARY PERIOD**

This paper will explain the international scenario in the contemporary period. The first block will focus on the Cold War and New International Economic Order. It will deal with the origin and End of Cold War as well as the North- South Dialogue and South-South Cooperation. The next block will introduce the students to the Indian Foreign Policy. An attempt has also been made to analyse India's relation with its neighbours like Nepal, Pakistan, Bangladesh, and Sri Lanka as well as SAARC and NAM. The third block will introduce the students to the role of Peace and Non- Violence in International Politics. It will also analyse the development in Third World countries as

well as role of UNO and International NGOs like ICRC, Amnesty, Green Peace etc.

### **Block : I Cold war and Emerging World Order**

Unit I: Cold War

Unit II: New International Economic Order

### **Block: II Indian Foreign Policy**

Unit I: Background of Indian Foreign Policy

Unit II: India and its Neighbours

Unit III: India, SAARC and NAM

### **Block: III Peace Studies in International Politics and International Organizations**

Unit I: Role of Peace and Non-violence in International Politics

Unit II: Development in Third World Countries: Internal Sources of Threat to Security

Unit III: UNO – History, Organization, Challenges

Unit IV: International NGO: ICRC, Amnesty, Green Peace: Contribution and Challenges

### **Paper VII: 8 credits**

#### **POLITICS IN INDIA –II**

This paper will introduce the students to the Judicial System as well as the Party System in India. Emphasis will be given on the issues like Composition of Indian Judiciary, Judicial Review, Judicial Activism, Relation between Judiciary and Legislature. This paper will also focus on the National Party like Congress and regional parties like AGP, DMK, AIDMK etc. Besides, the paper also deals with the emerging trends in Indian Politics. It will mainly focus on the Coalition Politics and voting behaviour of the electorates. The growth of coalition politics in India and its relation with the political stability and the determinants of the voting behavior will also be explained.

### **Block : I Judicial System in India**

Unit I: Constitutional Provision of Judicial System in India

Unit II: Judicial Review and Judicial Activism

Unit III: Tension between Judiciary and the Legislature

### **Block: II Party System in India and Emerging Trends in Indian Politics**

Unit I: The Congress and the other National Parties in Indian Politics

Unit II: Regional Political Parties in Indian Politics

Unit III: Coalition Politics in India

Unit IV: Voting Behaviour

### **Paper VIII: 6 credits**

#### **INDIAN ADMINISTRATION**

This paper will deal with the structure of Indian Administration which includes Central, State and District Administration. It will also focus on the Recruitment to Civil Services and the role played by the Public Service Commission. It will also focus on the relation between Budgeting and Bureaucracy as well as role of Bureaucracy in Development. Focus will be laid on the preparation, enactment and execution of the Budget as well as the role of bureaucracy in different stages. It will also focus on the challenges to Indian administration like Corruption, Favouratism, Red Tapism etc. The students will also be introduced to the provision of 6<sup>th</sup> schedule with reference to the various committees.

### **Block: I Indian Administration and Bureaucracy, Budgeting and Development**

Unit I: Structure of Indian Administration

Unit II: Recruitment to Civil Services in India

Unit 3: Budgeting in India

Unit 4: Role of Bureaucracy in Development

### **Block II: Challenges to Indian Administration**

Unit I Challenges to Indian Administration

Unit II: 6<sup>th</sup> Schedule and Challenges to Indian Administration

## Third Semester

### Paper IX: 8 credits

#### COMPARATIVE POLITICS

This paper has been designed to introduce the students to the Comparative Politics and various issues related to it. The first block of this paper contains an introduction to the Comparative Politics as well as both the Traditional and Modern Approaches like Philosophical, Historical, Psychological, Marxian etc. The Growth of Comparative Politics as well as various Theories of Comparative Politics have also been included. The second block includes the System Analysis which focus on the General System Theory, Political System, Structural-Functional Analysis and Input-Output Analysis. David Easton's contribution to System Theory will be focused. Also the properties, characteristics and variables of the System will be discussed. The concepts like Political Socialization, Political Modernization, Political Culture, Political Ideology, Constitutionalism etc will also be explained. The students will get some ideas regarding the Liberal as well as Marxian Ideology. This paper will also introduce the students to the Growth and Development of Constitutionalism as well as the Western concept of Constitutionalism.

#### Block I: Introduction and Major Approaches to Comparative Politics

Unit I: Introduction and Traditional Approaches to Comparative Politics  
Unit II: Modern Approaches to Comparative Politics

#### Block II: Political System and System Analysis

Unit I: Political System and General System Theory  
Unit II: Structural-Functional Analysis  
Unit III: Input-Output Analysis

#### Block III: Key Concepts of Comparative Politics: Political Development, Political Modernization and Political Culture, Political Ideology and Constitutionalism

Unit I: Concept of Political Development, Political Socialization and Political Culture  
Unit II: Concept of Political Ideology and Constitutionalism

### Paper X : 8 credits

#### RURAL DEVELOPMENT IN INDIA

This paper deals with the issues related to Rural Development in India. The first block of this paper will introduce the students to the concept of Rural Development as well as a picture of Rural as well as Urban India. The rural development programmes like IRDP, JRY will be analyzed. This paper will also focus on the problem of Rural Infrastructure, Rural Unemployment as well as Rural Industrialization. We will also try to analyze the plannings for Rural Development. It will include planning at different levels and specially the process of Democratic Decentralization. This paper will help the students in understanding Panchayati Raj Institutions and its role in the Rural Development.

#### Block I: Understanding Rural Development

Unit I: The Concept of Rural Development: Rural and Urban India  
Unit II: Agriculture and Rural Development  
Unit III: Rural Development Programme: Rural Social Welfare Programmes

#### Block II: Problems and Planning of Rural Development

Unit I: Problems of Rural Infrastructure and Rural Unemployment  
Unit II: Rural Industrialisation  
Unit III: Planning at Different Levels: Community Development and Co-operatives

#### Block III: Decentralisation in Rural Development

Unit I: Democratic Decentralisation: Panchayati Raj and Rural Development  
Unit II: Rural Development Administration

### Paper XI : 8 credits

#### POLITICAL SOCIOLOGY

This paper will highlight the Nature, Scope, and Background of Political Sociology. The first block of this paper will introduce the students to the Concept of Political Sociology and also analyze its relation with other Social Sciences like Sociology, Political Science, Anthropology, History, Economics etc. The second block will analyze the Background of Political Sociology both from Historical as well as Intellectual perspective.



It will include the contributions of Marx, Max Weber, Pareto, Mosca etc. The next unit will focus on the concepts like Ideology, Power and Authority. It will try to analyze the various Theories of Power, Relationship of Authority with that of Power and Legitimacy and also the Role of Ideology. The last unit of this paper will try to explain the concepts of Political Socialization as well as Political Culture.

### **Block I: Nature, Scope and Historical and Intellectual Background of Modern Political Sociology**

Unit I: Introduction to Political Sociology and Relationship of Political Sociology with other Social Sciences

Unit II: Contribution of Marx and Max Weber to the Discipline of Political Sociology

Unit III: Contribution of V. Pareto, C. Wright Mills and G. Mosca to the Discipline of Political Sociology

### **Block II: Key Concepts of Political Sociology: Ideology, Power, Authority and Political Culture and Political Socialization**

Unit I: Concept of Power, Authority and Ideology

Unit II: Political Culture and Political Socialization

### **Paper XII: 8 credits**

#### **GOVERNMENT AND POLITICS IN NORTH EAST INDIA**

This paper will provide a basic idea about the government and political system in North-east India and introduce the students to the Demographic Profile of the people of North-east India. The first block of this paper will deal with the constitutional development since 1974 regarding the formation and reorganization of the states. The second block deals with the problems facing by this region and government's initiative to overcome such problems. The next block deals with the struggle of its for separate identity led by the students and minority as well as tribal people. The last block will introduce the students to the role played by the national political parties as well as the state parties in this region with special reference to AGP in Assam.

### **Block I: Constitutional Development of North-East Since 1974 and Political Parties in the Region**

Unit I: Factors Responsible for the Formation of States/Reorganization of the State and Demographic Profile of the people of Northeast India

Unit II: Political Parties in North-East: National and Regional Political Parties

### **Block II: Major Issues of Northeast**

Unit I: Insurgency

Unit II: Migration and Internal Displacement

Unit III: Economic Development: Role of Northeastern Council

### **Block III: Ethnic/Identity and Students Movements**

Unit I: Assam Movement

Unit II: Bodo and Naga Movement

## **Fourth Semester**

### **Paper XIII: 8 credits**

#### **RESEARCH METHODS IN SOCIAL SCIENCE**

This paper will introduce the students to the Research Methods in Social Science. The first block of this paper discusses the application of Scientific Methods in the Social Research. The second block deals with the Planning Procedures in the social science research including the Formulation of Hypothesis and Research Design. The next block describes various Methods of Data Collection, Sampling Procedure, and its Analysis and Interpretation. The last block focuses on the Theory Building in Scientific Social Research.

### **Block I: Scientific Social Research**

Unit I Meaning of Social Science

Unit II Application of Science in Social Research

### **Block II: Planning for Research**

Unit I Planning and Hypothesis

Unit II Research Design

### **Block III: Data Collection, Sampling and Analysis**

Unit I Data Collection

Unit II Sampling  
Unit III Data Analysis and Interpretation

**Block IV: Theory and Scientific Social Research**

Unit I: Theory and Scientific Social Research

**Paper XIV: 6 credits**

**HUMAN SECURITY IN SOUTH ASIA**

This paper will introduce the students to the issue of Human Security and its status in South-Asia. The first block of this paper provides you an idea about the Conceptual Framework of Human Security with special reference to the Status of Women and Children in South Asia. The next block deals with various problems facing by this region like Migration and the Relation between Development and Displacements. The last block will focus on the trans-border relations among South Asian nations and the role of regional organization like SAARC.

**Block I: Human Security in South Asia**

Unit I: Conceptual Framework of Human Security  
Unit II: State of Women and Children in South Asia

**Block II: Migration and Displacement in South Asia**

Unit I: Migration to India: Political and Security Implications  
Unit II: Internal Displacement in South Asia  
Unit III: Development and Internal Displacement

**Block III: Regional Co-operation in South Asia**

Unit I : Trans-Border Relations among South Asian Nations  
Unit II: SAARC and Regional Cooperation

**Paper XV: 8 credits**

**COMPARATIVE PUBLIC ADMINISTRATION**

This paper gives a basic idea about the Administrative Systems in various countries in a comparative manner. The first block will introduce the students to the Concept and different approaches of Comparative Public Administration. The second block deals with the features of Administrative Systems of different countries like India, UK and USA. It will also focus on the origin and development of Merit System in these countries. The next block deals with Public Finance System in these countries including the Legislative Control over Expenditure. The last block focuses on the issue of Legislative Control over Administration and the process of Administrative Reforms in these countries.

**Block I: Comparative Public Administration: Concept and Approaches**

Unit I Comparative Public Administration  
Unit II: Approaches to Comparative Public Administration

**Block II: Salient Features of Administrative Systems:**

Unit I. Salient Features of Administrative Systems of India, UK and USA.  
Unit II. Merit System: Concept, Origin, Development and Existing Status  
(India, UK and USA)

**Block III: Budgeting:**

Unit I: Budget Procedure and Practice (India, UK and USA).  
Unit II: Legislative Control over Expenditure (India, UK and USA).

**Block IV: Legislative Control over Administration and Administrative Reforms:**

Unit I: Legislative Control over Administration in India and USA  
Unit II: Administrative Reforms in India and UK.

**Paper XVI: 8 credits**

**HUMAN RIGHTS IN INDIA**

This paper discusses the issue of Human Rights in India. The first block of this paper introduces the students to the Evolution as well as the Approaches to the concept of Human Rights like Three Generations Rights, Universalism, Relativism. The next block deals with different measures to protect the Human Rights and the role played by the UNO and other international as well regional organizations to protect Human Rights. The third block deals with the issue of human rights in India including the role played by the Government and various Commissions in the protection of human rights in India. The last block highlights the issue of human rights with special reference to Women, Children, Differently Abled, Refugees, IDPs and protection of Environmental Rights of the individuals.

### **Block I Theoretical issues**

Unit I: Human Rights: Evolution of the Concept

Unit II: Approaches o Human Rights: Three Generations Rights, Universalism, Relativism

### **Block II Protection of Human Rights**

Unit I: The UN Charter, Covenants and Optional Protocol

Unit II: UDHR and other Declarations Amnesty International, International Court of Justice

### **Block III Protection of Human Rights in India**

Unit I: Constitutional Framework of Human Rights in India

Unit II: Protection of Human Rights in India

### **Block IV Areas of Human Rights**

Unit I: Human Rights: Women and Children

Unit II: Human Rights: Differently Abled, Refugees, IDPs, Environmental Rights

====X====



**ACADEMIC CALENDAR**  
**Gauhati University Institute of Distance and Open Learning**  
**Guwahati- 781014, Assam**

<b>ADMISSION</b>			
<b>SEMESTER (TRADITIONAL PROGRAMME)</b>			
A	1	Fresh	July-September
	2	Continuation	July-September
<b>SEMESTER (IT PROGRAMMES)</b>			
B	1	Fresh	July-September
	2	Continuation	Odd Semester (July-September)
			Even Semester (January-February)
<b>ADMISSION TEST FOR M.Sc. IT PROGRAMME</b>			
C	August		
<b>ANNUAL PROGRAMMES</b>			
D	1	Fresh	July-September
	2	Continuation	July-September
<b>DISTRIBUTION OF SLM</b>			
<b>SEMESTER/ANNUAL (TRADITIONAL PROGRAMMES)</b>			
A	1	Fresh	July-October
	2	Continuation	July-October
<b>SEMESTER (IT PROGRAMMES)</b>			
B	1	Odd Semester	July-October
	2	Even Semester	Jan-March
<b>CONTACT CLASSES</b>			
<b>SEMESTER (TRADITIONAL PROGRAMMES)</b>			
A	1	Odd Semester	September-December
	2	Even Semester	March-June
<b>SEMESTER (IT PROGRAMMES)</b>			
B	1	Odd Semester	September-December
	2	Even Semester	March-June
<b>ANNUAL PROGRAMME</b>			
C	1	Previous	December-May
	2	Final	December-May
<b>EXAMINATION : TERM END</b>			
<b>SEMESTER (TRADITIONAL/IT)</b>			
A	1	Previous	July-August (All Sundays)
	2	Final	July-August (All Sundays)
<b>ANNUAL</b>			
August-September (All Sundays)			
B	<i>Schedule may change as per directive of the controller of Examination, GU/Govt. of Assam</i>		

<b>EXAMINATION: Sessional (OMR based Internal Examination)</b>			
A	<b>SEMESTER (TRADITIOAN/IT)</b>		
	1	Odd Semester	November
	2	Even Semester	May
<b>ANNUAL</b>			
January			
<b>DECLARATION OF RESULT (Term End)</b>			
<b>SEMESTER (TRADITIONAL/IT)</b>			
A	1	Odd Semester	May-June
	2	Even Semester	November-December
B	<b>ANNUAL</b>		
	Januray		

**ENCLOSURE-III**  
**SLM covering syllabus**

<b>SEMESTER I</b>	
PAPER I	Political Theory (I)
PAPER II	International Politics: Theoretical Aspects
PAPER III	Politics in India (I)
PAPER IV	Public Administration : Theories and Concepts
<b>SEMESTER II</b>	
PAPER V	Political Theory (II)
PAPER VI	International Relations in the Contemporary Period
PAPER VII	Politics in India (II)
PAPER VIII	Indian Administration
<b>SEMESTER III</b>	
PAPER IX	Comparative Politics
PAPER X	Rural Development in India
PAPER XI	Political Sociology
PAPER XII	Government and Politics in North East India
<b>SEMESTER IV</b>	
PAPER XIII	Research Methods in Social Science
PAPER XIV	Human Security in South Asia
PAPER XV	Comparative Public Administration
PAPER XVI	Human Rights in India

**GAUHATI UNIVERSITY**  
**INSTITUTE OF DISTANCE AND OPEN LEARNING (GUIDOL)**

**Programme Project Report (PPR)**

**PPR ID :** GU/GUIDOL/PPR/39 (Total no. pages : 34 )

**Programme:** Master of Arts (M.A.) in Sanskrit

**1. Programme Mission and Objective:**

The mission of the programme is to train up learners in the study of Sanskrit language and literature by developing professional competence in them through teaching and research training, and extension programmes with local and national bodies.

***Objectives of the programme are:***

- To give learners a comprehensive idea of Sanskrit language, literature and culture in particular and North East India in general.
- To train learners in the study of Sanskrit language by acquainting them with established classics and familiarizing them with various percepts from early times to the present age.
- To help in all round development of learners as a human being.
- To generate competent and well-educated man-power for the teaching profession as well as manning positions of research associates in academic institutions

**2. Relevance of the programme with HET's mission and goals:**

The Department of Sanskrit, one of the oldest departments of Gauhati University was established in the year of 1957. Being the pioneer in the North-East Region, the department has produced over the years a large number of alumni, who have made their marks in various fields of public life. In its continuous efforts to achieve higher strata of academic performance, the department has received recognition from University Grants Commission (UGC) as a Department of Excellence under Special Assistance Programme (SAP). Besides these, the department is conducting several interdisciplinary collaborative research activities. The mission of the Department is to train up students in the study of Sanskrit language and literature by developing professional competence in them through teaching and research training, and extension programmes with local and national bodies.



পঞ্জীয়ক

গুৱাহাটী বিশ্ববিদ্যালয়, গুৱাহাটী-১৪

Registrar

Gauhati University, Guwahati-14

Scholarship from the *Rashtriya Sanskrit Sansthan*, New Delhi, ICHR and State government scholarship are received for both P.G. students as well as research scholars.

Keeping in view the motto of “*Quality Higher Education for All*”, this programme shall be introduced in the ODL mode under the auspices of the Institute of Distance and Open Learning, Gauhati University, with the aim of imparting higher education to the large number of graduates who are deprived of the opportunity to seek higher education leading to Post Graduate degree and facilitating exposure to different approaches to the study Sanskrit.

**3. Nature and Target Group of Learners:** Our target group includes-

- 1) Those deprived of admission in the parent Department of regular mode due to limited intake capacity.
- 2) Those employed in various organizations who desire to pursue higher education as a passion or as a means for movement up the promotional ladder
- 3) Drop outs primarily due to social, financial and economic compulsions as well as demographic factors.
- 4) Job seekers.
- 5) lifelong learners

Gauhati University also has a provision in the ODL mode for *Lateral Entry* for those who had to discontinue the regular programme after successful completion of the first two semesters due to unavoidable reasons. Acceptability of the *Lateral Entry* provision is an indicator of parity of the courses in regular and distance mode. The curriculum is designed to enable learners to fulfill their aims and objectives in a manner they deem fit and proper. The curriculum is designed by a committee comprising of experts from the Department of the HEI, external experts and teachers of IDOL, keeping in view the needs of the diverse class of learners.

**4. Appropriateness of the programme to be conducted in the ODL mode for acquiring**

**Specific skills and competence-** The M.A. Programme in Sanskrit to be offered through ODL mode will have certain learning outcomes. The programme will help the learners:

- to gain a comprehensive knowledge of Sanskrit literature and language
- to achieve an expertise in literary analysis and criticism in Sanskrit literature.

- to build up necessary competence among learners required for scholarship and teaching of Sanskrit literature.
- to acquire mastery in Sanskrit language for all communicative purposes including reading, writing, performing and speaking.

5. **Instructional Design:**

- a) **Curriculum Design:** The curriculum is designed by a committee comprising experts from the parent department of the HEI and GUIDOL, keeping in view the needs of the diverse group of Learners.
- b) **Detailed Syllabus:** File containing detailed syllabus is attached.
- c) **Duration of the Program:** Minimum 2 years. However, the learners are required to complete the programme within 4 (four) years from the date of admission.
- d) **Instructional Delivery Mechanism:** The programme will be delivered in four (4) semesters having four (4) course/paper in each semester. The learners will be provided with the printed SLM which covers almost all the contents in the syllabus (*Enclosure-III*). Counseling class will be held in headquarter and various affiliated study centers. Telephonic Counseling and providing online learning resource will also be a part of instructional Delivery mechanism. The progress of the learners will be evaluated by Internal Assessment and Term end/semester end exam.
- e) **Faculty:**
  1. Prof. Mukta Biswas, Professor, Department of Sanskrit, Gauhati University nominated as Programme Coordinator of the ODL programme in Sanskrit
  2. Part time resource persons drawn from amongst teachers of affiliated colleges, researchers and faculty staff of the Department of HEI.
- f) **Media:** Print Media, ICT based content, content delivered through e-learning portal.
- g) **Student Support Service:** In order to successfully execute the programme, the Institute has a wide range of support services. The various support services are listed as below-
  - i) **Network of Study Centers:** To assist its learner IDOL has established 96 study centers (List Enclosed) throughout the State of Assam but within the territorial jurisdiction of the University.

- ii) **Library** with around 7 thousand collections of materials which includes books, journals, magazines, CD and DVDs.
- iii) **E- Learning Portal:** [www.bodhidroom.guidol.in](http://www.bodhidroom.guidol.in) the first of its kind in the entire North east region of India, which provides the following services to the students:
- Online enrolment of students
  - Independent Discussion Forum for every course
  - Independent News Forum for every course
  - Online interaction facility with faculty members
  - Online interaction between the students making the scope of collaborative learning
  - Interaction through chatting of all users of all courses who are online.
  - Separate Chat Room for individual course
  - **Message My Teacher:** When a student logs in to Bodhidroom, after enrolling himself/herself to a course, he/she will see the names of the virtual class teachers. Student can directly send offline messages to the teachers. When the teacher is logged on, he will receive an alert of incoming messages. Then he can reply to the message.
  - Online Study Material
  - Old Examination Question Papers
- iv) **Dynamic Website** [www.idolgu.in](http://www.idolgu.in) : IDOL has its own dynamic website where one can get all the information regarding IDOL, its programme, up-coming events, examination result etc.
- v) **Computerised admission process with provision of online admissions:** The whole system of admissions and examinations are managed using professional software which gives instant online access to learners. Can be accessed through [www.idolgu.in](http://www.idolgu.in)
- vi) **Flexible Walk in Group Counselling (FWGC):** Regular group and individual counselling will be held in the IDOL (headquarter) complex as well as in the parent department during all working days. Learners may walk-in to the designated IDOL counselling room and meet their teachers to clarify their doubts.
- vii) **PERSONAL CONTACT PROGRAMME (PCP):** In addition to the Study Materials, useful Personal Contact Programmes will be held at various affiliated study centres, which will enable the students to clarify their confusions and ease their difficulty while going through it. Qualified faculty members of affiliated study centres will help out the attending students by providing necessary tips and Guidelines during the interactive sessions. These sessions are also meant to give the students a chance to meet the teachers personally and discuss their problems.

viii) **Community FM Radio:** Gauhati University has its own Community radio station named as “Radio Luit 90.8 FM” and operates daily from 8AM to 8PM. The Community Radio station shall be extensively used to broadcasts radio talks on various courses . The broadcast contents are designed as per the requirements by teaching staff of both the ODL Institute as well as the parent department. Experts are outsourced if the need arises.

6. **Procedure for Admissions, Curriculum transaction and Evaluation-**

- **Admission-** The admission process shall start from August and end by the end of September every year. The learner can go for either offline or online admission process. The minimum eligibility for M.A. in Sanskrit program is graduate from any recognized Indian or Foreign university in any discipline irrespective of subject pursued. The proposed fee for admission is Rs 7000.00(Seven Thousand only) per year. Financial Assistance (Scholarship) is provided to the candidates belong to SC/ST and OBC category. Few learners belonging to the economically deprived section as well as the physically challenged category are provided free admission on the approval of the Honourable Vice Chancellor, Gauhati University.
- **Curriculum transaction-** The curriculum shall be transacted throughout the year as per the *Activity Planner* which is enclosed as an annexure.
- **Evaluation-** Each course/module shall carry 80% weightage for the term-end examinations and 20% for internal evaluation in the form of Home Assignments/internal examinations. In order to pass/clear a course/paper in a subject, a candidate must secure minimum 35% Marks in each course/paper. All examinations are conducted by the Controller of Examinations as per Rules and Regulations of the Gauhati University.

7. **Library Resource:** The University has a State of the Art Central Library with rich collections of materials which includes books, journals, magazines, CD and DVDs, and is accessible to the ODL learners as well. Moreover, the Institute has its own Library where various books, journals and magazines related to commerce education are available.

8. **Estimated cost of the Programme:** Total estimated cost of the programme is approximately Rs. 35-40 Lakhs which includes preparation and printing of SLMs, remuneration of the resource persons, establishment cost and overheads. The estimate is



evaluated considering the unit expenses of Rs.2.5 Lakhs per paper /1000 students for the entire duration of two years

**9. Quality assurance Mechanism and Expected Programme outcome:**

- **Quality assurance Mechanism** :The institute has a *Centre for Internal Quality Assurance (CIQA)* constituted by the statutory body of the HEI. Members of the Cell are drawn from among the Deans of the different Faculty, Heads of the respective departments, Executive Council members, administrative staff and teaching staff of the institute. The Internal Quality Assurance Cell shall review the relevance and standard of the programme from time to time and make necessary changes in the syllabus and contents of the programme. The HEI shall continuously monitor the effectiveness of the program through *CIQA* and other statutory bodies.

**Expected Programme outcome:** The expected programme outcome is reflected in the Course Benchmark Statement, which is stated as below

**Course Benchmark Statement:** Master's degree in the Sanskrit shall be awarded to those learners who demonstrate

- comprehensive knowledge of Sanskrit language, literature and culture.
- expertise in literary analysis and criticism in Sanskrit literature
- mastery in Sanskrit language for all communicative purposes including reading, writing, performing and speaking.
- professional competency in the relevant field

**Syllabus for MA in SANSKRIT**  
**Institute of Distance and Open Learning**  
**Gauhati University**

- Total No. of Semesters : 4
- Total No. of Papers : 20 (5 papers in each semester)
- Full Marks for per paper : 80 [(64 marks for main examination, 16 marks for Internal evaluation (Home Assignment))]
- Final Evaluation will be made as per credit and Grading system of Gauhati University
- Total credits for whole course is 120. Per paper credit point is 6.

**FIRST SEMESTER**

**Paper - I (1.1)**

**VEDA**

**Total Marks : 64**

**Credit Points : 6**

Unit 1 :	An Introductory Note on the Rgvedic Pantheism.	] 34
Unit 2 :	<i>Rksam hitā-Agnisūkta</i> (1.1) and <i>Sūryasūkta</i> (1.115)	
Unit 3 :	<i>Rksam hitā - Bahudevatakasukta</i> (1.3) and <i>Aranyānisūkta</i> (10.146)	
Unit 4 :	Arrangement of the <i>Rgveda</i>	] 20
Unit 5 :	Content and Date of the <i>Rgveda</i>	
Unit 6 :	An Idea of Vedic Accents	] 10

**Reference Book :**

1. Chaubey, B.B. (ed.), Telanga and Chaubey's *The New Vedic Selection*, Part I, Bharatiya Vidya Prakashan, Delhi, 1997
2. Goswami, S. and Chakravarty, H.N. (ed.). *Rksamhita*, Sanskrit Pustak Bhandar, Calcutta, 1974.
3. Bhattacharya, B.P. and Adhikari, T. N. (ed), *Vedic Selections*. Part I., Sanskrit Book Dipo, Kolkata, 2004.
4. Wilson, H.H: *The Rgveda* (Translation), Nag Publication, New Delhi, 1990
5. Sestri, Gaurmath : *A History of Vedic Literature*, Sanskrit Pustak Bhandar, Calcutta, 1982
6. Sarmah Thaneswar : *Vaidik Sahityar Ruprekha* (Assamese), Asom Veda Vidyalaya, Guwahati, 1997
7. Dr. Virendrakumar Verma (ed.) : *Rgvedapratisākhya of Samaka*, Chowkhamba Sanskrit Prastishan, Delhi.
8. Chaubey, B.B. (ed.) : *Vedik Svara bodha* (Hindi), Vedik Samitiya Sadan, Hosiarpur, Panjab.
9. Nalinirajan Sharma : *The Mechanism of Vedic Accents*, Guwahati

**Paper - II (1.2)**  
**VEDĀNGA**

**Total Marks : 64**

**Credit Points : 6**

- |   |   |    |
|---|---|----|
| Unit 1 : Introduction to the Vedic Literature                   | } | 30 |
| Unit 2 : The Vedāṅga Literature                                 |   |    |
| Unit 3 : The Nirukta of Yaksas: Chapter I & VII                 | } | 20 |
| Unit 4 : Prātisākhya Literature: R̥kprātisākhya                 |   |    |
| Unit 5 : R̥kprātisākhya: Vedic Metres-Gāyatri, Uṣnik and Anuṣup | } | 14 |
| Unit 6 : Essay in Sanskrit                                      |   |    |

(2)

**Reference Book :**

1. Virendrakumar Verma (ed.) : *Rgvedapratisākhya of Samaka*, Chowkhamba Sanskrit Prastishan, Delhi.
2. Virendrakumar Verma (ed.) : *Rgvedapratisākhya* (ek pariśilan), [Hindi], Kashi Hindu Visvavidyalaya, Varanashi.
3. Vidhata Mishra : *Sanskrit Phometrics*, Chowkhambha Publication, Varanasi.
4. B. B. Chaubey : *Vedāṅga Literature*, Katyayana Vedik Sahitya Prastishan, Hosiarpur, Panjab,

**Paper III (1.3)**

**SMṚTI And ĀYURVEDA**

**Total Marks : 64**

**Credit Points : 6**

- |  |   |    |
|--|---|----|
| Unit 1 : <i>Dharmasāstra</i> (History)               | } | 34 |
| Unit 2 : <i>Mānavadharmasāstra/Manusmṛti</i>         |   |    |
| Unit 3 : <i>Manusmṛti</i> : Chapter VIII, Rājadharmā | } | 30 |
| Unit 4 : Introduction to Ancient Indian Medicine     |   |    |
| Unit 5 : <i>Bhaisajyaranāvālī</i> : A General Idea   |   |    |
| Unit 6 : <i>Bhaisajyaranāvālī</i> : The Text         |   |    |

**Reference Book :**

1. J. L. Shastri : (ed) *Manusmṛti* with Kullakabhatta, Motilal Banarashidass, Delhi
2. Gangannath Jha : (ed & Tr.) *Manusmṛti*, Motilal Banarashidass, Delhi

(3)



Paper IV (1.4)

NYĀYA And VEDĀNTA

Total Marks : 64

Credit Points : 6

- Unit 1 : A General Note on Indian Philosophy
- Unit 2 : A General Note on Tarkabhāsa and its Epistemological Aspects } 34
- Unit 3 : Metaphysical Aspects of Tarkabhāsa
- Unit 4 : Introduction to the Vedānta Philosophy and Vedāntasāra
- Unit 5 : Vedāntasāra: Mārgalācarana, Anubandhacatuṣṭaya, Adhyāropa etc. } 30
- Unit 6 : Vedāntasāra: Jīvatman, Mahāvākyas, Liberation etc.

Reference Book :

1. M.M.A.K. Shastri : (ed.) *Brahmasūtra with Sankara's comm.*, Nirnayasagar press, Bombay
2. *Tarkabhāṣā*, Keśava Mīśra, Bhandarkar Oriental Research Institute, Poona
3. S.C. Chatterjee, *The Nyāya theory of knowledge*, University of Calcutta
4. K.P. Sinha, *Reflexions on Indian Philosophy*, Choukhamba Orientalia, Varanasi.
5. Nīhīlananda, Swami, *Vedāntasāra* of Sadānanda Yogīndra, Delhi.
6. Pal, Bipadbanjan, *Vedāntasāra*, Kolkata.

(4)

Paper V (1.5)

KĀVYA

Total Marks : 64

Credit Points : 6

- Unit 1 : Sanskrit Literature and Meghadūta of Kālidāsa
- Unit 2 : Meghadūta: Pūrvamegha (Verse: 1-27) } 30
- Unit 3 : Meghadūta: Pūrvamegha (Verse: 28-66)
- Unit 4 : Chandornaijari } 14
- Unit 5 : Sanskrit Drama : Bhāsa : Pratimā-nāṭaka
- Unit 6 : Pratimā nāṭaka : Act-I to IV } 20

Reference Book :

1. *The Meghadūta of Kālidāsa*, ed. M.R.Kale, Motilal Banarsidass Publishers Pvt. Ltd, Delhi
2. *Meghadūta of Mahākavi Kālidāsa*, ed. by Āchārya Śrī Charaṇatīrtha Mahārāj, Kashi Sanskrit Series 2:19, the Choukhamba Sanskrit Series office, Varanasi, 1973.
3. M. R. Kale : *Pratima Nataka of Bhāsa*, Motilal Banarasidass, Delhi

(5)

# Syllabus for MA in SANSKRIT

Gauhati University

## Institute of Distance and Open Learning Second Semester

- \* Total No. of Semesters : 4
- \* Total No. of Papers : 20 (5 papers in each semester)
- \* Full Marks for per paper : 80 [(64 marks for main examination, 16 marks for Internal evaluation (Home Assignment)] **30**
- \* Total Marks for each Semester : 400 (320 marks for Theory examination and 80 marks for Internal evaluation)
- \* Final Evaluation will be made as per credit and Grading system of Gauhati University **24**
- \* Total credits for whole course is 120. Per paper credit point is 6. **10**

## SECOND SEMESTER

### **Paper - VI (2.1) VYĀKARAᅇA**

<b>Total Marks : 64</b>	<b>Credit Points : 6</b>
1. Siddhānta Kaumudī (Sanjñā and Paribhāᅇā)	10
2. Prākᅇtaprakāᅇa (First three chapters)	24
3. Functional Sanskrit	10

#### Unit Distribution :

**Unit - I** : Sanskrit Grammar : An Introduction

**Unit- II** : Sanjñāprakarāᅇa of Siddhāntakaumudī: A Discussion

**Unit -III** : Paribhāᅇāprakarāᅇa of Siddhāntakaumudī : A Discussion

**Unit- IV** : An Introduction to the Prakᅇta Language

**Unit - V** : Prākᅇtaprakāᅇa : First three Chapters

**Unit- VI** : Fuctional Sanskrit

#### Books Recommended :

1. Giridhar Sarma and Parameswaranand Sarma : *Vaiyākaraᅇa-Siddhānta Kaumudī*, Motilal Banarshidass (MLBD), New Delhi.
2. Ramvilash Choudhury : *Vaiyākaraᅇa-Siddhānta Kaumudī*, MLBD, New Delhi.
3. Dr. Yamuna Pathak : *Prākᅇta-Prakāᅇa*, Chowkhamba Krishna Das Academy, Varanasi.

4. Dr. S.R. Banarjee: *The Prākṛta-Prakāśa of Vararuchi*, Sanskrit Pustak Bhandar, Kolkata.
5. Chakradhar Hamsa Noutiyal : *Vṛhad-Anuvād-Candrikā*, MLBD, New Delhi.
6. Rambalak Shastri : *Sam̐skṛita-Racanānūvāda-Candrikā*, MLBD, New Delhi.
7. Sumitra M. Katre : *Aṣṭādhyāyī* of Pāṇini, MLBD, New Delhi.
8. Ramchandra Jha : *Vaiyākaraṇa Siddhānta Kaumudī*, Krishnadas Academi, Varanasi

### Paper - VII (2.2)

### GADYA SĀHITYA

<b>Total Marks : 64</b>		<b>Credit Points : 6</b>
1. Kādambārī (asti sakalatribhūvana lalāmbhūtā.... Ujjayinīnāma nagari)	34	
2. Pañcatantra (Aparīkṣita kārītā)	30	

#### Unit Distribution :

Unit - I : Sanskrit Prose Literature and Bāṇabhaṭṭa	34
Unit - II : Bāṇabhaṭṭa and His Kādambārī	
Unit - III : Kādambārī : The Text (Ujjayinī-varṇanā)	
Unit - IV : Origin and Development of Sanskrit Fable Literature and Place of Pañcatantra	
Unit - V : Pañcatantra : Aparīkṣita kārītā : Kathā 1 - 8	
Unit - VI : Pañcatantra : Aparīkṣita kārītā : Kathā 9 - 15	30

#### Books Recommended :

1. Mahadev Pant : *Kādambārī of Bāṇabhaṭṭa*, MLBD, New Delhi
2. M. R. Kale : *Pañcatantra of Viṣṇusarman*, MLBD, New Delhi
3. Ramcharan Pandey : *Pañcatantra*, MLBD, New Delhi
4. Prabhat Sarma Shastri : *Kādambārī* (Assamese Translation), ABILAC, Guwahati
5. Mukunda Madhava Sharma : *Pañcatantra* (Assamese Translation), Asom Prakashan Parisad, Guwahati
6. A.B. Keith : *A History of Sanskrit Literature*, MLBD, New Delhi
7. M. Krishnamacharīr : *History of Classical Sanskrit Literature*, MLBD, New Delhi.
8. Krishnamohana Sastri : *Kādambārī of Bāṇabhaṭṭa*, Choukhamba Sanskrit Santhan, Varanasi

Paper - VIII (2.3)

NĀṬAKA and KĀVYĀŚĀSTRA

Total Marks : 64

Credit Points : 6

1. Uttarāmacarita 40
2. Sāhityadarpaṇa (Chapter-VI) 24

**Unit Distribution :**

**Unit - I** : An Introduction to Sanskrit drama and Bhavabhūti

**Unit - II** : Uttarāmacaritam : An Overview

**Unit - III** : Uttarāmacaritam : Text (Act I to III)

**Unit - IV** : Uttarāmacaritam : Text (Act IV to VII)

**Unit - V** : Sāhityadarpaṇa and Viśvanātha Kavirāja

**Unit - VI** : Sāhityadarpaṇa : The Text (Chapter-VI)

40

24

**Books Recommended :**

1. M.R. Kale : *Uttarāmacaritam of Bhavabhūti*, MLBD, New Delhi
2. Janardan Shastri Pandey : *Uttarāmacarita*, MLBD, New Delhi
3. Saligrama Shastri : *Sāhityadarpaṇa of Viśvanātha Kavirāja*, MLBD, New Delhi
4. Biswanarayan Shastri : *Sāhityadarpaṇa* (Assamese Translation), Sarighat Publication, Guwahati
5. A.B. Keith : *The Sanskrit Drama*, MLBD, New Delhi
6. R.D. Karmakar : *Bhavabhūti*, Karnataka University, Dharwar

(4)

Paper - IX (2.4)

HISTORY OF VEDIC LITERATURE

Total Marks : 64

Credit Points : 6

1. Introduction to the Brāhmaṇa literature with special reference to the Aitareya, Śāṅkhāyana and Śatapatha Brāhmaṇa 24
2. Introduction to the Aranyaka Literature 20
3. Muṇḍakapaṇiṣad 20

**Unit Distribution :**

**Unit - I** : An Introduction to Brāhmaṇa literature

**Unit - II** : An note on the Aitareya Brāhmaṇa and the Śāṅkhāyana Brāhmaṇa 24

**Unit - III** : An note on the Śatapatha Brāhmaṇa

**Unit - IV** : An Introduction to the Aranyaka Literature 20

**Unit - V** : An Introduction to the Upaniṣadic Literature

**Unit - VI** : The Muṇḍakapaṇiṣad : The Text 20

**Books Recommended :**

1. S.N. Sharma : *History of Vedic Literature*, Chowkhomba Sanskrit Series Office, Varanashi
2. Yogiraj Basu : *India of the Age of Brāhmaṇa*
3. Gouri Nath Shastri : *A History of Vedic Literature*, Sanskrit Pustak Bhandar, Kolkata

(5)





**Syllabus for MA**  
**in**  
**SANSKRIT**



**Institute of Distance and Open Learning**  
**GAUHATI UNIVERSITY**

### Unit Distribution :

Unit 1 : Mr̥chakaṭikam : A General study	34
Unit 2 : Mr̥chakaṭikam : A Textual study (Acts 1-5)	
Unit 3 : Mr̥chakaṭikam : A Textual study (Acts 5-10)	
Unit 4 : Sanskrit drama and Veṇisamhāra of Bhaṭṭanārāyaṇa.	30
Unit 5 : Veṇisamhāra : The Text (Acts 1-3)	
Unit 6 : Veṇisamhāra : The Text (Acts 4-6)	

### Books Recommended :

1. M.R.Kale : *The Mr̥chakaṭika of Śūdraka*, MLBD, Delhi.
2. R.D.Karmakar : *The Mr̥chakaṭika of Śūdraka*, Chaukhamba Sanskrit Pratishthan, Delhi.
3. M.R.Kale : *Veṇisamhāra* of Bhaṭṭa Nārāyaṇa. MLBD, New Delhi.
4. V.R. Nerurkar : (ed.) *The Mr̥chakaṭikam of Śūdraka*, New Bharatiya Book Corporation, Delhi.
5. C.Sankara Rama Sastri : (ed.) *Veṇisamhāra* with English Notes and Translation, Cosmo Publication, New Delhi.
6. Jayashankarlal Tripathi : (ed.) *Mr̥chakaṭikam*, Chaukhamba Krishnadas Academy, Varanasi, 2013.

### **Paper- IV (3.4)**

#### **KĀVYA**

<b>Total Marks : 64</b>	<b>Credit Points : 6</b>
(a) Bhāgavatam (Mr̥dbhakṣaṇam) (Ch.VIII)	20
(b) Naiṣadhacaritam (Canto I)	24
(c) Śīsupālavadhānam (Canto XIV)	20

(4)

# Syllabus for MA in SANSKRIT

## Gauhati University

### Institute of Distance and Open Learning

#### THIRD SEMESTER

- \* Total No. of Semesters : 4
- \* Total No. of Papers : 20 (5 papers in each semester)
- \* Full Marks for per paper : 80 [(64 marks for main examination, 16 marks for Internal evaluation (Home Assignment)]
- \* Total marks for each Semester : 400 (320 marks for Theory examination and 80 marks for Internal evaluation)
- \* Final Evaluation will be made as per Credit and Grading system of Gauhati University
- \* Total credits for whole course is 120. Per paper credit point is 6

#### **THIRD SEMESTER**

Total Marks - 320 + 80 (Internal Assessment) = 400 (The first two papers will be general papers common for all groups. For papers III, IV and V there will be three groups of special papers. A student should choose any one from the three groups viz. A, B and C)

#### **Paper - I (3.1)**

#### **VYĀKARAṆA**

<b>Total Marks : 64</b>	<b>Credit Points : 6</b>
(a) Vaiyākaraṇasiddhāntakaumudī :	20+20+24=64
(Kāraṇa, Strīpratyaya and Samāsa)	

(1)

### Unit Distribution :

Unit 1 : Kāraṅaparakaraṇa : A General Note and case endings prathamā, Dvītiyā and Trītiyā.	20
Unit 2 : Kāraṅaparakaraṇa : case endings Caturthī, Pañcamī, Ṣaṣṭhī and Saptamī.	20
Unit 3 : Strīpratyayaparakaraṇa : A General Note and īp, ḍāp, cāp and ṛīp pratyaya.	20
Unit 4 : Strīpratyayaparakaraṇa : ṛiṣ, ṛin and ūn pratyaya	24
Unit 5 : Samāsaparakaraṇa : A General Note.	
Unit 6 : Samāsaparakaraṇa : The Text.	

### Books Recommended :

1. Giridhar Sarma and Parameswaranand Sarma : *Vaiyākarna-siddhānta-kaumudī*, Bālamānoramā and Tattvabodhini commentaries, MLBD, New Delhi.
2. Ramvilas Choudhury : *Vaiyākarna-siddhānta Kaumudī*, MLBD, New Delhi.
3. Ramchandra Jha: *Vaiyākarna-siddhānta-kaumudī*, Krishnadash Academi, Varanasi.
4. Sumitra M.Katre : *Aṣṭādhyāyī of Pāṇini*, MLBD, New Delhi.
5. Gopal Dutta Pandey : (ed.) *Vaiyākarna-siddhānta-kaumudī* (vol-1), Chaukhamba Surabharati Prakashan, Varanasi

## Paper - II (3.2)

### HISTORY OF CLASSICAL SANSKRIT LITERATURE

Total Marks : 64

Credit Points : 6

(a) History of Classical Sanskrit Literature

### Unit Distribution :

Unit 1 : History of Epics in Sanskrit	20
Unit 2 : History of Purāṇas	
Unit 3 : History of Court Epics and prose literature in Sanskrit.	24
Unit 4 : History of Sanskrit Lyrics and Campūkāvyaś.	20
Unit 5 : History of Sanskrit Dramas and historical kāvyas.	
Unit 6 : History of Fables and Didactic poetry in Sanskrit.	

### Books Recommended :

1. M.Krishnamacharian : *History of Classical Sanskrit Literature*, MLBD, New Delhi.
2. Subodh Kapoor : (ed.) *An Introduction to Classical Indian Literature*, Cosmo Publications, New Delhi
3. M.Winternitz : *A History of Indian Literature*, Vol. III, MLBD, New Delhi
4. A.B.Keith : *History of Sanskrit Literature*, MLBD, New Delhi
5. Baladeva Upadhyaya : *Sanskrita Sāhitya kā Itihāśa*, Chowkhamba Publication, Varanasi.
6. Baladeva Upadhyaya : *Purāṇa-Vimarsā*, Chowkhamba Vidya Bhawan, Varanasi.
7. A.B.keith : *The Sanskrit Drama*, MLBD, New Delhi.

## GROUP - A

### Paper- III (3.3)

### DRAMA

Total Marks : 64

Credit Points : 6

(a) Mṛcchakaṭīka

34

(b) Veṅśamhāra

30



### Unit Distribution :

Unit 1 : Nāṭyaśāstra and its Author.	] 24
Unit 2 : Nāṭyaśāstra : The Text.	
Unit 3 : Kāvya-mīmāṃsā : An Introduction.	] 20
Unit 4 : Kāvya-mīmāṃsā : The Text (ch.I)	
Unit 5 : Origin and Development of Alamkāraśāstra, Sāhityadarpaṇa: its Śabdālamkāras.	] 20
Unit 6 : Sāhityadarpaṇa : its Arthālamkāras.	

### Books Recommended :

1. S.K.De : *History of Sanskrit Poetics*, MLBD, New Delhi.
2. P.V.Kane : *History of Sanskrit Poetics*, MLBD, New Delhi.
3. Babulal Shukla Shastri : (ed.) *Nāṭyaśāstra*, Chowkhamba Publication, Varanasi.
4. P.V.Kane : *The Sāhityadarpaṇa*, MLBD, New Delhi.
5. Āchārya Kṛṣṇamohan Śāstrī : (ed.) *Sāhityadarpaṇa*, with the Lakshmi "Sanskrit Commentary and Notes, Chaukhamba Sanskrit Sansthan, Varanasi.
6. Āchārya Śeṣaraj Sharma Regmi and pt. Nārāyaṇa Śāstrī khiste ; (ed.) *Kāvya-mīmāṃsā*, Part-I (ch-I), Chaukhamba Prakashan, Varanasi.
7. Śrī Krishnamani Tripathi : *Kāvya-mīmāṃsā*, Chaukhamba Surabharati Prakashan, Varanasi.

(6)

### **GROUP - B**

#### **Paper III (3.3 )**

### **ṚGVEDA SAMĪHITĀ**

**Total Marks : 64** **Credit Points : 6**

#### **Hymns from Ṛksamhitā**

**Varuṇa - 1.90; Viṣṇu - 1.154; Sarasvatī - 7.95; Puruṣa - 10.90; Maṇḍukah - 7.103**

#### **Unit Distribution :**

Unit 1 : Introduction to the Ṛgvedic Gods.	] 40
Unit 2 : Ṛksamhitā-Varuṇa and the other Gods (1.90)	
Unit 3 : Ṛksamhitā - Viṣṇusūkta (1.154) and Sarasvatīsūkta (7.95)	
Unit 4 : Ṛksamhitā - Maṇḍukasūkta (7.103)	] 24
Unit 5 : Philosophical Speculations in the Ṛksamhitā.	
Unit 6 : The Puruṣa sūkta. (10.90)	

#### **Books Recommended :**

1. B.B.Choubey : (ed.) Telenga and Chaubey's : *The New Vedic Selection*, Part I & II, Bharatiya Vidya Prakashan, Delhi.
2. B.P.Bhattacharya & T.N. Adhikari : (ed.) *Vaidika Saṁkalana*, Part-I & II, Sanskrit Book Dipo, Kolkata, 2004
3. N.S.Santakhe et al : (ed.) *The Ṛgvedasamhitā* with the Commentary of Sāyaṇācārya, Vol- I, III & IV, Vaidika Saṁśodhana Maṇḍala, 1995.
4. *Śrautapāṭhah* (A Vedic Reder for M.A.students), University of Calcutta, 1975.
5. C.Kunhan Raja : *Poet-Philosophy of the Ṛgveda*, Madras, 1963

(7)



### Unit Distribution :

Unit 1 : Introduction to Saugata Darśana.	] 34
Unit 2 : Texts of Saugata Darśana.	
Unit 3 : Main tenets of Saugata Darśana.	
Unit 4 : Introduction to Ārhatā Darśana.	] 30
Unit 5 : Texts of Ārhatā Darśana.	
Unit 6 : Main tenets of Ārhatā Darśana.	

### Books Recommended :

1. Vasubandhu : *Abhidharmakośa*, Baudha Bharati, Varanasi, 1970.
2. S.K. Mukherjee : *The Buddhist Philosophy of Universal Flux*, Motilal Banarasiidass, 1975
3. T.R.V. Murti : *The Central Philosophy of Buddhism*, George Allen and Unwin, 1960
4. Prajñāloka Mahasthavir : (ed.) *Dhammapāda*, Prajñāloka Prakashani, Calcutta, 1953
5. Dr. K.P. Sinha : *Nairātmavāda- The Buddhist theory of not-self*, Sanskrit Book Depot. (p) Ltd. Calcutta, 1982.
6. S.Radhakrishnan : *Indian Philosophy*, Vol -I, Firm KLM, Calcutta, 1980.
7. Anandasram : *Sarva Darśana Saṅgraha*.

### **Paper- V (3.5 )**

## **MĪMĀMŚĀ AND HISTORY OF INDIAN PHILOSOPHY**

<b>Total Marks : 64</b>	<b>Credit Points : 6</b>
(a) Arthasaṅgraha	30
(b) History of Indian Philosophy	34

4. *Yaska's Nirukta* with the Commentary of Durgācārya, Anandasrāma granthāvali.
5. S.N. Sarma : *History of Vedic Literature*, Chaukhamba Publication, Varanasi.
6. Dr. Thaneswar Sarma : *Vaidika Sāhityar Itivṛtta*, Assam Veda Vidyālaya, Guwahati.
7. Śivarāja Ācāryah Kauṇḍinnyāyanah : (ed.) *Pāṇinīya-Śikṣā*, Varanasi, 2004.
8. Bhabani Prasad Bhattacharya : *Vedic Grammar*, Calcutta, 1986

### **Paper V- (3.5 )**

## **ŚUKLA YAJURVEDA, VEDIC INDOLOGISTS AND VEDIC COMMENTATORS**

<b>Total Marks : 64</b>	<b>Credit Points : 6</b>
(a) Rudrādhyāya from Vājasaneyīsamhitā (16 <sup>th</sup> chapter)	25
(b) Knowledge of Indologists and Vedabhāṣyakāras	25
(c) Essay in Sanskrit on Vedic Topics	14

### Unit Distribution :

Unit 1 : Introduction to the Śukla yajurveda.	] 25
Unit 2 : Rudrādhyāya (Vājasaneyīsamhitā, ch -16)	
Unit 3 : Indian Indologists.	
Unit 4 : Western Indologists.	] 25
Unit 5 : Vedabhāṣyakāras.	
Unit 6 : Essay in Sanskrit on Vedic topics.	

### **Books Recommended :**

1. G.L. Shastri : (ed.) *Śukla Yajurveda*, with the Commentary of Uvaṭa and Mahidhara, MLBD, New Delhi.
2. Raghuvīra Vedālamkāra : *Vaidika Nibandha*, New Bharatiya Book Corporation, Delhi.
3. Āchārya Jagadishchandra Mishra : *Vaidikavānmayasyetihāśah*, Chaukhamba Surabharati Prakashan, Varanasi.
4. S.N. Sarma : *History of Vedic Literature*, MLBD, Varanasi.

### **GROUP - C**

#### **Paper- III (3.3)**

### **VEDĀNTA PHILOSOPHY**

**Total Marks : 64**

**Credit Points : 6**

- (a) Brahmaṣūtra with Śāṅkarabhāṣya (ch. I pāda I) 40  
(b) Chāndogya Upaniṣad with Śāṅkarabhāṣya (ch. VI) 24

#### **Unit Distribution :**

Unit 1 : Historical Development of Advaita Vedānta.	40
Unit 2 : Introduction to Brahmaṣūtra bhāṣya with Adhyāśabhāṣya.	
Unit 3 : Discussion on Catuṣsūtrī.	24
Unit 4 : Expositions of Remaining sūtras.	
Unit 5 : Introduction to Chāndogyaopaniṣad.	
Unit 6 : The sixth chapter of Chāndogyaopaniṣad. (Chāndogyaopaniṣad with Sāṅkarabhāṣya)	

(10)

### **Books Recommended :**

1. G.L. Shastri : (ed.) *Brahmaṣūtra-śāṅkarabhāṣya*, with the Commentary of Bhāmati, Kalpataru and Parimala. MLBD, New Delhi.
2. S.Radhakrishnan : (Tr.) *Brahmaṣūtra-śāṅkarabhāṣya*, MLBD, Varanasi.
3. Visvarupananda Puri : (Tr.) *Brahmaṣūtra-śāṅkarabhāṣya*, Advaita Ashrama, Kolkata.
4. Durgacharan Samkhya Vedantatirtha : (ed.) *Vedānta darśana*, Basumati Sahitya Mandir, Kolkata.
5. K.P. Sinha : *Sāṅkaravedānta Tattvamīmāṃsā*, Vishwavidyalaya Prakashan, Varanasi.
6. Paul Deussen : *System of Vedānta*,
7. K.P. Sinha : *Śāṅkaravedānta Jñānāmānsā*, Vishwa Vidyalaya Prakashan, Varanasi.
8. Durgacharan Samkhya Vedantatirth : (ed.) *Chāndogyaopaniṣad*, Advaita Ashrama, Kolkata.

#### **Paper- IV (3.4)**

### **NĀSTIKA PHILOSOPHY**

**Total Marks : 64**

**Credit Points : 6**

#### **1. Sarvadarśanasamgraha**

(a) Saugata Darśana 34

(b) Ārhat Darśana 30

(11)



**Unit Distribution :**

Unit 1 : Introduction to Mīmāṃsā Philosophy.	] 30
Unit 2 : Text : - Arthasaṃgrah.	
Unit 3 : Nyāya and Vaiśeṣika.	] 34
Unit 4 : Sāṃkhya and Yoga.	
Unit 5 : Mīmāṃsā and Vedānta.	
Unit 6 : Cārvāka, Bauddha and Jaina.	

**Books Recommended :**

1. P.N. Shastri : *Introduction to Pūrvamīmāṃsā*, Chowkhamba Publication, Varanasi. **20**
2. A.B.Keith : *Karmamīmāṃsā*, MLBD, New Delhi.
3. Laugākṣibhāskara : *Arthasaṃgraha*, MLBD, New Delhi.
4. S.C. Chatterjee and D.M.Datta : *An Introduction to Indian Philosophy*, MLBD, Varanasi.
5. S.N. Dasgupta : *A History of Indian Philosophy*, Vol -I-II, MLBD, New Delhi.
6. C.D. Sarma : *A Critical Survey of Indian Philosophy*, MLBD, Varanasi.
7. S.Radhakrishnan : *Indian Philosophy*, Vol. I - II, London : George Allen and Unwin, Ltd.
8. H.P. Sinha : *Bhāratīya Darśana Ki Rūparekhā*, MLBD, Varanasi.



**Syllabus for MA**  
**in**  
**SANSKRIT**



**Institute of Distance and Open Learning**  
**GAUHATI UNIVERSITY**

**Syllabus for MA**  
**in**  
**SANSKRIT**



**Institute of Distance and Open Learning**  
**GAUHATI UNIVERSITY**

**Syllabus for M.A. in SANSKRIT**  
**Gauhati University**

**Institute of Distance and Open Learning**  
**FOURTH (4<sup>th</sup>) SEMESTER**

**FOURTH SEMESTER**

Total Marks - 320 + 80 (Internal Assessment) = 400. The first two papers will be general papers (common for all groups). For papers III, IV and V there will be three groups for special papers. A student should choose any one from the three groups viz. A, B and C.

**Paper - 1 (4.1) COMMON PAPER**  
**PHILOSOPHY AND GRAMMAR**

Total Marks : 64

Credit Points : 6

1. Sanskrit Philology

(a) Origin and Development of OIA. 34

(b) Production and classification of sounds.

(c) Assimilation, Apenthesis, Prothesis, Haplology, Syncope

2. Mahābhāṣya (Paśpaśāhnikā)

Unit Distribution :

Unit 1 : Origin and development of Old Indo-Aryan (OIA)

Unit 2 : Production and Classification of sounds. 34

Unit 3 : Concept of Assimilation, Epenthesis, Prothesis, Haplology and Syncope.

Unit 4 : Introduction and General idea of the Mahābhāṣya.

Unit 5 : Purposes of studying grammar. 30

Unit 6 : Definition, meaning of the word Vyākaraṇa and the relation of word and meaning.

**Books Recommended :**

1. Elements of Science of Language by Taraporrewala.
2. Sanskrit Language by T. Burrow.
3. A Handbook of Comparative Philology by S.R. Banerjee
4. Comparative Philology by R. Iyer.
5. Vyākaraṇa Mahābhāṣya (Paśpaśāhnikā) of Patanjali with *pradīpa* the Sanskrit commentary edited by Acharya Madhusudan Prasad Mishra.

**Paper - II (4.2) COMMON PAPER**  
**HISTORY OF SCIENTIFIC LITERATURE**  
**IN ANCIENT INDIA**

**Total Marks : 64**

**1. History of Scientific Literature in Ancient India**      **Credit Points : 6**  
**64**

**Unit Distribution :**

Unit 1 : (A) Origin and development of the sciences in ancient India

(B) An introduction to the various sciences.

Unit 2 : Literature on Art, Architecture and Music.

Unit 3 : Literature on Astronomy and Mathematics

Unit 4 : Ayurvedic Literature

Unit 5 : Grammatical Literature and the Glosses.

Unit 6 : Philosophical Literature (Vedānta, Sāṃkhya, Yoga, Nyāya, Vaiśeṣika and Pūrva Mīmāṃsā)

**64**

**Books Recommended :**

1. The History of Indian Literature, Vol - III by M. Winternitz
2. The Cultural Heritage of India, Vols- V and VI

(3)

**Books Recommended :**

1. History of Indian Literature by M. Winternitz.
2. Atharvaveda Samhitā written by William Dwight Whitney
3. Atharvaveda Samhitā with the commentary of Sāyaṇa.
4. Vedar Parichay by Prof. J. Basu, published by Assam publication Board, Guwahati, Assam.

**Paper IV- (4.4 ) Group - B**  
**ŚRAUTA AND GRHYA RITUALS AND**  
**VEDIC CULTURE**

**Total Marks : 64**

**Credit Points : 6**

1. Introduction to Śrauta and Grhya Rituals      **34**
2. Knowledge of the Culture and Civilization in the Vedic Society.      **30**

**Unit Distribution :**

Unit 1 : The Kalpasūtra in the Vedic Literature

Unit 2 : Introduction to the Śrauta Rituals with a Note on the Sacrificial Terms.      **34**

Unit 3 : The Grhya Rites in the Grhyasūtras : A Note.

Unit 4 : Culture and Civilization in the Samhitā period.

Unit 5 : Culture and Civilization reflected in the time of Brāhmaṇas, Āraṇyakas and Upaniṣads.      **30**

Unit 6 : Culture and Civilization reflected in the Sūtra Literature.

(4)

7. Kāvyaaprakāśa of Mammata with English Translation by Dr. Sri Ganganath Jha, Bharatiya Vidya Prakashan, Varanasi, 1967.

**Paper- IV (4.4) Group - A  
PROSE LITERATURE**

**Total Marks : 64**

**Credit Points : 6**

**1. Harṣacarita (Ch. - V) 34**

**2. Daśakumāracarita (Somadattacarita, Uchhvāsa-III) 30**

**Unit Distribution :**

Unit 1 : Sanskrit Prose Literature : Origin and Development  
Unit 2 : Place of Bāṇabhaṭṭa and Dandin as Sanskrit Prose  
Writer

**34**

Unit 3 : Harṣacarita : Summary of the Text

Unit 4 : The Text

Unit 5 : Daśakumāracarita : Summary of the Text

Unit 6 : The Text

**30**

**Books Recommended :**

1. History of Indian Literature By Winternitz.
2. A History of Sanskrit Literature By Macdonell
3. A Concise History of Classical Sanskrit Literature By Gaurinath Sastri
4. Harṣacarita by M. R. Kale, Motilal Banarasidas, New Delhi.
5. Daśakumaracarita By M. R. Kale, Motilal Banarasidas, New Delhi.

(5)

**Paper- V (4.5) Group - A  
INSCRIPTION, ARTHAŚĀSTRA AND  
MODERN SANSKRIT**

**Total Marks : 64**

**Credit Points : 6**

**1. Inscription**

(a) Nidhanpur Copper Plates **20**

(b) Allahabad Stone Pillar Inscription **20**

**2. Arthaśāstra (Śāsanādihikāra) 24**

**3. Satijayamati**

**Unit Distribution :**

Unit 1 : Indian Epigraphic and Nidhanpur Copper Plates  
Inscription

**20**

Unit 2 : Allahabad Stone Pillar Inscription

**20**

Unit 3 : Kautilya's Arthaśāstra : A General Study

Unit 4 : Kautilya's Arthaśāstra : A Textual Study

Unit 5 : General Introduction of the Sati Jayamati

Unit 6 : Textual Discussion of the Sati Jayamati

**24**

**Books Recommended :**

1. Inscriptions of Ancient Assam by M.M. Sharma, published by Dept. of Publication, Gauhati University, Guwahati, 1978
2. Select Inscriptions, Vol-I, By D.C. Sankar, Assam Humanities press.
3. Kautilya Arthaśāstra- Rajani Kanta Deva Sarma (ed.), Publication Board, Assam.
4. Kautilya's Arthaśāstra - Sunil Sen Sarma, D.K. Print World (p) Ltd, New Delhi - 2001.

(6)

5. Kautilyam Arthasāstram - Rupnarayan Tripathi, Hamsa Prakashan, Jaipur, 2007.
6. Satī Jayamati by Bhavadev Bhagawati
7. Satī Jayamati of Bhavadev Bhagawati, (ed.) by Dr. Dipak Kr. Sharma.

### **GROUP - B**

## **VEDIC LITERATURE (VEDA)**

### **Paper III (4.3 ) Group - B ATHARVAVEDA SAMĪHITĀ**

**Total Marks : 64**

**Credit Points : 6**

1. Hymns from the Atharvavedasamīhitā **64**
  - (a) Mahadbrahma, 1.32
  - (b) Kilāsapalitanāśanam, 1.23, 24
  - (c) Vena, II. 1
  - (d) Ratha, VI. 125
  - (e) Dundubhi, VI. 126
  - (f) Darbha, XIX. 32

**Unit Distribution :**

Unit 1 : A General Introduction of the Atharvaveda and its place in the Vedic Literature.

Unit 2 : The Text : Mahadbrahma, 1.32 and Kilāsapalitanāśanam, 1.23, 24

Unit 3 : The Text : Vena, II. 1, and Ratha, VI-125.

Unit 4 : The Text : Dundubhi, VI-126, and Darbha, XIX.32

Unit 5 : Discussion on the Mahadbrahma, Kilāsa- palitanāśanam and Vena.

Unit 6 : Discussion on the Ratha, Dundubhi and Darbha.

**64**

(7)

**Books Recommended :**

1. History of Indian Literature by M. Winternitz.
2. Atharvaveda Samīhitā written by William Dwight Whitney
3. Atharvaveda Samīhitā with the commentary of Sāyana.
4. Vedar Parichay by Prof. J. Basu, published by Assam publication Board, Guwahati, Assam.

### **Paper IV- (4.4 ) Group - B ŚRAUTA AND GRHYA RITUALS AND VEDIC CULTURE**

**Total Marks : 64**

**Credit Points : 6**

1. Introduction to Śrauta and Grhya Rituals **34**
2. Knowledge of the Culture and Civilization in the Vedic Society. **30**

**Unit Distribution :**

Unit 1 : The Kalpasūtra in the Vedic Literature

Unit 2 : Introduction to the Śrauta Rituals with a Note on the Sacrificial Terms. **34**

Unit 3 : The Grhya Rites in the Grhyasūtras : A Note.

Unit 4 : Culture and Civilization in the Samhītā period.

Unit 5 : Culture and Civilization reflected in the time of Brāhmaṇas, Āraṇyakas and Upaniṣads. **30**

Unit 6 : Culture and Civilization reflected in the Sūtra Literature.

(8)

**Books Recommended :**

1. Gopal, Ram : India of Vedic Kalpasūtras, National Publishing House, Delhi, 1959
2. Sastri, Gaurinath : A History of Vedic Literature, Sanskrit Pustak Bhandar, Kolkata, 2006
3. Sharma, S.N. : A History of Vedic Literature, Chowkhamba Sanskrit Series Office, Varanasi, 2000
4. Winternitz, M. : A History of Indian Literature, Vol-I, Motilal Banarsidass, Delhi, 1987
5. Bandyopadhyay, P : The Aryans and the Holy Vedas, United Writers, Calcutta, 1993
6. Basu, J : India of the Age of the Brāhmanas
7. Chatterji, S.K. et al : The Cultural Heritage of India, Vol-I, The Ramakrishna Mission Institute of Culture, Calcutta, 1993
8. Mitra, Dr. P : Life and Society in the Vedic Age, Sanskrit Pustak Bhandar, Calcutta, 1956

**Paper V- (4.5 ) Group - B**

**INTRODUCTION TO UPANISADS AND  
THE GAUTAMA DHĀRMASŪTRA**

**Total Marks : 64**

**Credit Points : 6**

1. A General Introduction to the Upaniṣads **15**
2. Chandogyopaniṣad, (Ch. - VI) **15**
3. Gautamdharmasūtra : **34**

(a) Praśna 1 Chap - 1, 1-32, Chap - 3, 1-35, Chap - 5, 3-41

(9)

(b) Praśna II Chap - 1, Āśramadharmā, Chap - 2  
Rājadharmā; Chap - 3, 1-12, Chap - 7

(c) Praśna III, Chap - 1, 1-10, Chap - 10 Dāyabhāga.

**Unit Distribution :**

Unit 1 : An Introduction to the Upaniṣads

Unit 2 : Chāndogya Upaniṣad, Ch. - VI : Text (Khaṇḍa : 1-18)

Unit 3 : Chāndogya Upaniṣad, Ch. - VI :  
(Khaṇḍa : 9-16)

Unit 4 : An Introductory Note on the Gautamadharmasūtra

Unit 5 : (i) Sources of Law and Studentship  
(Gautamadharmasūtra, Praśna I, Ch. - I, verses  
1-32)

(ii) The four orders of life (Praśna I, Ch.-III, verses  
1-35)

(iii) Ritual Duties (Praśna I, Ch. -V, Verses 3-41)

Unit 6 : (i) Āśramadharmā (Praśna II, Ch. - I)

(ii) Rājadharmā (Praśna II, Ch. - II)

(iii) Punishment for crimes (Praśna, II, Ch. - III)

(iv) Rules for studying the Veda (Praśna, II, Ch. - VII)

(v) Penances as Purificatory Rites (Praśna, III, Ch. I  
verses 1-10)

(vi) Dāyabhāga (Praśna, III, Ch. X)

**Books Recommended :**

1. Chāndogyopaniṣad : Gita Press, Gorakhpur, 1993 Samvat.
2. Max Muller, F. (ed.) : The Sacred Books of the East, Vol. II  
Oriental Publishers, Delhi, 1972.

(10)



3. Olivella, Patrick : Dharmasūtras (The Law codes of Āpastamba, Gautama, Baudhāyana, and Vasiṣṭha), Motilal Banarsidass, Delhi, 2003
4. Pandey, Umesh Chandra (ed.) : Gautamadharmasūtra with the commentary of Haradatta, Chowkhamba Sanskrit Sansthan, Varanasi, 2005.
5. Swain, Brajakishore (ed.) : Gautamadharmasūtra with Sūkṣmāvṛtti, Sri Narayan Press, Puri, 1991.

### GROUP - C

## PHILOSOPHICAL LITERATURE

(DARŚANA)

Paper- III (4.3 ) Group - C

## SĀMĀKHYA AND CONTEMPORARY PHILOSOPHY

Total Marks : 64

1. Sāṅkhyatattvakaumudī

Credit Points : 6

34

2. Contemporary Indian Philosophy

30

(a) Swami Vivekananda

(b) S. Radhakrishnan

Unit Distribution :

Unit 1 : Introduction

Unit 2 : Text analysis

Unit 3 : Selected Questions and Answers

34

Unit 4 : Life and works of Swami Vivekananda and  
S. Radhakrishnan

Unit 5 : Philosophy of Swami Vivekananda

Unit 6 : Philosophy of S. Radhakrishnan

30

### Books Recommended :

1. Sāṅkhyakarikā of Sri Īśvarakṛṣṇa with the commentary of Sāṅkhyatattvakaumudī of Vacaspati Misra, Nimaya Sagar Press, Bombay, 1946.
2. Sāṅkhyasūtra of Kapila with Aniruddha's Commentary, (ed.) R.S. Bhattacharjee, Pracya Bharati Prakasa, Varanasi, 1964.
3. Bahadur, K.P., A wisdom of Sāṅkhyā, Sterligny Publishers, Pvt. Ltd., New Delhi, 1988.
4. Chakrabarti, Pulinbhari : Origin and Development of the Sāṅkhyā System of thought, Metropolitan printing and publishing House, 1897.
5. Garbe Richard : Sāṅkhyā Sūtravṛtti, Asiatic Society of Bengal, Calcutta, 1888.
6. Manikar, T.G. Sāṅkhyakarikā of Īśvarakṛṣṇa with Gaudapādabhāṣya, oriental Book Agency, Poona, 1964.
7. Lal, Basant Kumar : Contemporary Indian Philosophy
8. Sharma, R.N. : Contemporary Indian Philosophy
9. Pappw, S.S. Rama Rao : New Essays in the Philosophy of Sarvapalli Radhakrishnan.
10. Swami Vivekananda : Complete works of Swami Vivekananda.
11. Swami Yogeshwarananda : Teaching of Swami Vivekananda.

**Paper- IV (4.4) Group - C**  
**YOGA PHILOSOPHY AND GĪTĀ**

Total Marks : 64

Credit Points : 6

1. Yogasūtra with Vyāsabhāṣya 34

pāda - I, pāda - II, pāda - III (sūtras 1-3)

2. Śrīmadbhagavadgītā with Śāṅkarabhāṣya (ch. 1) 30

**Unit Distribution :**

Unit 1 : Introduction.

Unit 2 : Text analysis

Unit 3 : Selected Questions and Answers

Unit 4 : Introduction

Unit 5 : Text analysis

Unit 6 : Selected Questions and Answers

**Books Recommended :**

1. Yogasūtra of Patañjali with Vyāsabhāṣya, Tattvavaiśārādī of Vacaspati Misra and Yogavārtika of Vijnānabhikṣu (ed.) by Narayan Misra, Bharatiya Vidyā Prakāśhan, Varanasi, 1981.
2. Biswas M. : Sāṅkhya-Yoga Epistemology, D.K. Print World, New Delhi, 2007.
3. Bahadur, K.P. : The Wisdom of Yoga, Sterling Publishers, Pvt. Ltd., 1988.
4. Das Gupta, S.N. : Yoga philosophy in relation to other systems of Indian thought, University of Calcutta, 1930.
5. Hiriyana, M. : Outlines of Indian Philosophy, George Allen and Unwin Ltd. London, 1951.

(13)

**Paper- V (4.5) Group - C**  
**VEDĀNTA PHILOSOPHY**

Total Marks : 64

Credit Points : 6

1. Vedānta-paribhāṣā 44

(Pratyakṣa and Viśaya-pariccheda)

2. Mohamudgara of Śāṅkarācārya 20

**Unit Distribution :**

Unit 1 : Introduction to Vedānta Paribhāṣā

Unit 2 : Definition of Pramā, Pramāṇa and Pratyakṣa

Unit 3 : Other topics of Pratyakṣapariccheda

Unit 4 : Viśayapariccheda of Vedānta Paribhāṣā

Unit 5 : Translation and Explanation of Mohmudgara

Unit 6 : Texts

**Books Recommended :**

1. Vedāntaparibhāṣā, Dharmarājadhvarīndra, (ed.) by Pañcānana Sastrī.
2. Vedāntaparibhāṣā, (ed.) by Srimohan Bandyopadhyoy
3. Dutta, D.M, Six ways of knowing
4. Mohmudgara, translated by Prof. R.M. Sarma

● ● ●

(14)

**ACADEMIC CALENDAR**  
**Gauhati University Institute of Distance and Open Learning**  
**Guwahati- 781014, Assam**

<b>ADMISSION</b>			
<b>SEMESTER (TRADITIONAL PROGRAMME)</b>			
A	1	Fresh	July-September
	2	Continuation	July-September
<b>SEMESTER (IT PROGRAMMES)</b>			
B	1	Fresh	July-September
	2	Continuation	Odd Semester (July-September) Even Semester (January-February)
<b>ADMISSION TEST FOR M.Sc. IT PROGRAMME</b>			
C	August		
<b>ANNUAL PROGRAMMES</b>			
D	1	Fresh	July-September
	2	Continuation	July- September
<b>DISTRIBUTION OF SLM</b>			
<b>SEMESTER/ANNUAL (TRADITIONAL PROGRAMMES)</b>			
A	1	Fresh	July-October
	2	Continuation	July-October
<b>SEMESTER (IT PROGRAMMES)</b>			
B	1	Odd Semester	July-October
	2	Even Semester	Jan-March
<b>CONTACT CLASSES</b>			
<b>SEMESTER (TRADITIONAL PROGRAMMES)</b>			
A	1	Odd Semester	September-December
	2	Even Semester	March-June
<b>SEMESTER (IT PROGRAMMES)</b>			
B	1	Odd Semester	September-December
	2	Even Semester	March-June
<b>ANNUAL PROGRAMME</b>			
C	1	Previous	December-May
	2	Final	December-May
<b>EXAMINATION : TERM END</b>			
<b>SEMESTER (TRADITIONAL/IT)</b>			
A	1	Previous	July-August (All Sundays)
	2	Final	July-August (All Sundays)
<b>ANNUAL</b>			
August-September (All Sundays)			
B	<i>Schedule may change as per directive of the controller of Examination, GU/Govt. of Assam</i>		

<b>EXAMINATION: Sessional (OMR based Internal Examination)</b>			
A	<b>SEMESTER (TRADITIOAN/IT)</b>		
	1	Odd Semester	November
	2	Even Semester	May
<b>ANNUAL</b>			
January			
<b>DECLARATION OF RESULT (Term End)</b>			
<b>SEMESTER (TRADITIONAL/IT)</b>			
A	1	Odd Semester	May-June
	2	Even Semester	November-December
B	<b>ANNUAL</b>		
	Januray		

**ENCLOSURE-III**  
**SLM covering syllabus**

Semester	Paper No	Paper Name
I	1.1	Veda
	1.2	Vedanga
	1.3	Smrti and Ayurveda
	1.4	Nyaya and Vedanta
	1.5	Kavya
II	2.1	Vyakarana
	2.2	Gadya Sahitya
	2.3	Nataka and Kavyasastra
	2.4	History of Vedic Literature
	2.5	Epic and Puranas
III	3.1	Vyakarana
	3.2	History of Classical Sanskrit Literature
	<b>(GROUP- A)</b>	
	3.3	Drama
	3.4	History of the Vedangas, Pratisakhya and allied Vedic Texts
	3.5	Dramaturgy and Poetics
	<b>(GROUP- B)</b>	
	3.3	Rgveda Samhita
	3.4	History of the Vedangas, Pratisakhya and allied Vedic Texts
	3.5	Sukla Yajurveda, Vedic Indologistic and Vedic Commentators
	<b>(GROUP- C)</b>	
	3.3	Vedanta Philosophy
	3.4	Nastika Philosophy
	3.5	Mimasa and History of Indian Philosophy
	IV	4.1
4.2		History of Scientific Literature in Ancient India
<b>(GROUP- A)</b>		
4.3		Dhvanyaloka, Kavyaprakasa
4.4		Prose Literature
4.5		Inscription, Arthasastra and Modern Sanskrit
<b>(GROUP- B)</b>		
4.3		Atharvaveda Samhita
4.4		Srautaandgrhy Rituals and Vedic Culture
4.5		Introduction to Upanisads and the Gautama Dharmasutra
<b>(GROUP- C)</b>		
4.3		Samkhyaand Contemporary Philosophy
4.4		Yoga Philosophy and Gita
4.5		Vedanta Philosophy



