

Hemchandracharya North Gujarat University

PATAN- 384 265 (N.G.)

Accredited by NAAC with "A" Grade (CGPA 3.02)

1.2.2 University has adopted and implemented CBCS system of Education since 2011 in across all UG and PG programs.

SN.	Name of Program	Program Duration	Current Affiliation Status Permanent/ Temporary
1	MLibISc (Library and Information Science)	1 Year	Permanent
2	BLibISc (Library and Information Science)	1 Year	Permanent
3	MA (Journalism)	1 Year	Permanent
4	MCA (Computer Science)	3 Years	Permanent
5	MSW (Social Work)	2 Years	Permanent
6	BPEd (Physical Education)	2 Years	Permanent
7	MPEd (Physical Education)	2 Years	Permanent
8	LLM (Criminal Laws)	2 Years	Permanent
9	LLM (Business Laws)	2 Years	Permanent
10	LLM (Human Rights Laws)	2 Years	Permanent
11	BArch (Architecture)	5 Years	Permanent
12	MA (English Literature)	2 Years	Permanent
13	MA (Alankar Shastra)	2 Years	Permanent
14	MA (Vedant Shastra)	2 Years	Permanent
5	MA (Puran Shastra)	2 Years	Permanent
6	MSc (Biotechnology)	2 Years	Permanent
7	MSc (Physics)	2 Years	Permanent
8	MBA (Finance)	2 Years	Permanent
19	MBA (Marketing)	2 Years	Permanent
0	MCom (Accounting)	2 Years	Permanent
1	BBA (Management)	3 Years	Permanent
22	BCom (Commerce)	3 Years	Permanent
23	MSc (Mathematics)	2 Years	Permanent
24	MSc (Inorganic Chemistry)	2 Years	Permanent
25	MSc (Physical Chemistry)	2 Years	Permanent
26	MSc (Micro Biology)	2 Years	Permanent
27	MSc (Environment Science)	2 Years	Permanent
28	MSc (Zoology)	2 Years	Permanent
29	MSc (Botany)	2 Years	Permanent
30	PG Diploma (Medical Laboratory Technology)	1 Years	Permanent
31	PGDYED (Yoga Education)	1 Years	Permanent
32	MSc (Electronics)	2 Years	Permanent
33	MSc (Organic Chemistry)	2 Year	Permanent
34	MHM (Hospital Management)	2 Year	Permanent

Vc. Registrar Hemchandracharya North Gujarat University, Patan

P.B. No. 21, University Road, Patan 384265, Gujarat State. INDIA Phone: +91 2766 - 237000, 220932, 230529 Fax: +91 2766 - 231917 Mail : regi@ngu.ac.in Web:www.ngu.ac.in



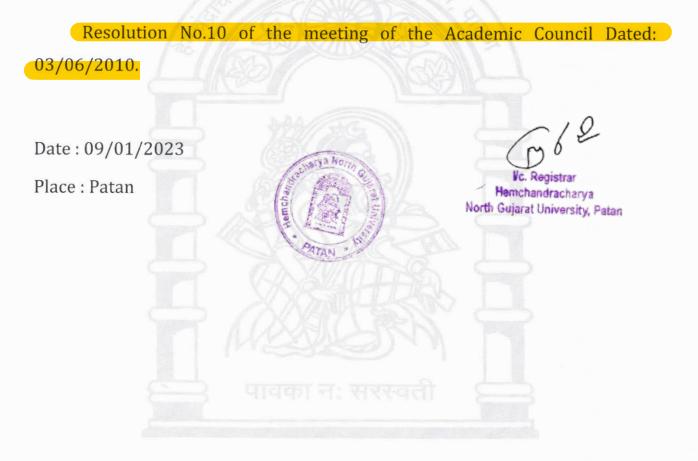
Hemchandracharya North Gujarat University

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CERTIFICATE

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University Road, Patan (N.G.) – 384 265

Ph.No. 02766 237000 Email : <u>regi@ngu.ac.in</u> Fax No. 02766 230743 Website : <u>www.ngu.ac.in</u>

English Transleted Circular

Circular No -166/2011

The following report prepared by the sub-committee appointed vide Resolution No-10 of the meeting of the Academic Council of the University dated: 03/06/2010 for the purpose of maintaining uniform grading pattern at the undergraduate and postgraduate level in all the faculties of this University has been approved by the Vice-Chancellor on behalf of the Academic Council. Which is informed to the concerned. Since Semester / CBCS / Grading Pattern is implemented in this University from June-2011 at Graduate and Post Graduate level, it is requested to strictly implement it at Graduate and Post Graduate level.

The teachers and students are requested to inform about this matter from our level.

Applicable disciplines :-

Arts, Commerce, Science, Management studies, Rural Stdies, Film & Television and Home science

Granding Pattern :

Grade Points	Description	% of marks	Divison/Grade
10	Outstanding	90% - 99%	First with Dist/ 0
9	Excellent	80% - 89%	First with Dist/ A
8	Very good	70% - 79%	First with Dist/B
7	Good	60% - 69%	First/C
6	Fair	50% - 59%	Second/D
5	Average	40% -49%	Pass/E
4	DROPPED	Below 40%	F

F = Dropped (< 40%)

The Precent of martks taken into consideration includes marks of component I, II and III of each semester

Semester Grade Point Average (SGPA) Indicates the performance of a student in a given semester SGPA is based on the total credit points earned by the sudent in all the courses and the total number of credits assigned to each course in a semester

Credit point for the Course = No. of credits assigned to the course

Grade point secured for the course

For Example: Semester – I

Course	Credit	Marks Obtained by	Grade	Grade Point	Credit
		Stuudents	Letter		Assigned
					Grade Point
Core Comp.	4	60	С	7	$7 \times 4 = 28$
Core Allied	4	55	D	6	6×4 = 24
Elective Generic	4	65	С	7	$7 \times 4 = 28$
Elective Option	4	70	В	8	8×4 = 32
Foundation Generic	2	40	Е	5	5×2 =10
Total	18				122

SGPA = 122/18 = 6.778

Thus SGPA for Semeter -1 is 6.778

Perecentage for Semeter 1 is $6.778 \times 10 = 67.78$

Cumulative grade point average (CGPA) is Obtained by divding the total numbers of credit points earned in all the Semeter by the total number of credit in all Semester

For Example :

1				
Semester-I	Total	Credit	Point	122
Semester-II	Total	Credit	Point	116
Semester-III	Total	Credit	Point	130
Semester-IV	Total	Credit	Point	110
Total				478

CGPA = 478/72 = 6.639

Percentage for entire course is $6.639 \times 10 = 66.39$ Grade C.Divison First.

The Class /Divison shall be awarded on the basis of CGPA Comulative Grade Point Average

No	Division	Grade Letter	Grade Point
1	First Division with Distinction	O – CGPA	9.00 to 10.00
2	First Division with Distinction	A – CGPA	8.00 to 8.99
3	First Division with Distinction	B – CGPA	7.00 to 07.99
4	First	C – CGPA	6.00 to 06.99
5	Second	D – CGPA	5.00 to 05.99
6	Pass	E – CGPA	4.00 to 04.99
7	Dropped	F-Below	4.00

The Percentage equivalent may be obtained by multiplying CGPA by 10.

Note :-

Grading pattern has to be followed for the following disciplines as per the prescribed norms of the respective councils.

Law, Medicin, Pharmacy, Engineering, Education

The passing standard for the end Semester Examination shall be 40% in all faculties except Medicine, Pharmacy, Engineering, Law and Education, Where a part from Securing 40%

(Minimum) in each head a student has to secure 50% aggregate marks in th final Semester. In case student does not get aggregate 50% marks. He/She will be eligible for exemption in those subject (Courses) in which He?She Secure 50% marks and he/she has to appear in the examination n which he/she has secured less than 50% marks.

Out.No:Aca/BOS/4035/2011 University Road, Po.Box.No-21 Patan, - 384265 (N.G.) Date : 27/06/2011

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Sd/-For.Assi.Registrar Ic. Registrar Hemchandracharya North Gujarat University, Patan

To,

- 1. Head/Co-ordinators all the department of this university
- 2. Principals of affiliated colleges of this university
- 3. All the chairman of BOS Committee of this university
- 4. All the Ad.Committee Chairman of this university
- 5. Controller of Examinations, HNGU, Patan (5-Copy)
- 6. Incharge Computer(Result) Center,HNGU,Patan,For Result and Put on the uni. Website
- 7. Establishment Branch, HNGU, Patan For Circular File

 The Scheme of Papers & Examination Pattern for one Year M.L.I.Sc. Course (System Semester) shall be as follows:

Semester - I

				1	Examination Marks		
Paper No.	Name of the Paper	Theory	Practical	Ext.	Literature (Print/Non Print) Review – 05 Assignments - 05 Library Work Training - 10 Internal Exam – 10 (5+5+10+10=30)	Total Marks	Exan Time
101 Core	Information and Communication	100	8	70	30	100	3 Hrs
102 Core	Information Technology Application (Theory)	100	j.	70	30	100	3 Hrs
103 Core	Information Technology Application (Practice)	e	100	70	- Internal Exam - 10 - Project Work - 10 - <u>Viva Voce - 10</u> 30	100	3 Hrs
104 - A OR 104 - B OR 104 - C Elective	Higher Education and Academic Library System OR Public Library and Library Network System OR Special Library and Information Network System	100	•	70	30	100	3 Hrs
05 - A OR 105 - B Interdiscip linary	Research Methodology & Statistical Techniques OR Communication & Technical Writing Skills	100	×	70	30	100	3 Hrs
	Semester - I	400	100	350	150	500	

Note:

✤ Per Week two Hours Library work training is essential.



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Semester – II

				Exa	amination Marks		Exam Time 3 Hrs - 3 Hrs
Paper No.	Name of the Paper	Theory	Practical	Ext.	Assignments -05 Seminar – 05 Library Work Training - 10 Internal Exam – 10 (5+5+10+10=30)	Total Marks	
201 Core	Information Analysis, Repackaging and Consolidation	100	÷1	70	30	100	3 Hrs
202 Core	Subject Analysis and Information Retrieval	100	÷.	70	30	100	3 Hrs
203 Core	Dissertation / Project Works		100	70+30	14	100	æ
204 - A OR 204 - B OR 204 - C Elective	Digital Information Management (Digital Library) OR Content Management System (Theory and Practical) OR Data Communication and Networking	100		70	30	100	3 Hrs
205 - A OR 205 - B Interdis ciplinary	Personality Development & Soft Skill OR Statistical Application in Libraries	100	-1	70	30	100	3 Hrs
Total	Semester - II	400	100	380	120	500	

Note:

- Per Week two hours Library Work training is essential.
- Intership is Compulsory (15 days)



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The Scheme of Papers & Examination Pattern for one year B.L.I.Sc. Programme LOCF (CBCS Semester System) shall be as follows

Semester - I

						Internal Marks		
Paper No.	Name of the Paper	Credits	Theory	Practical	Ext.	Literature Review- 5 Assignment – 5 LibraryWork Trining-10 Internal Exam – 10 (5+5+10+10=30)	Total Marks	Exan Time
BL - C11	Foundation of Library and Information Science	4	100		70	30	100	2:30 Hours
BL - C12	Library Management	4	100	75	70	30	100	2:30 Hours
BL - C13	Information Sources, Systems and Services (Theory)	4	100	÷	70	30	100	2:30 Hours
BL - C14	Knowledge Organization: Classification (Theory) DDC-22 & CC-6	4	100	÷.	70	30	100	2:30 Hours
BL - C15	Knowledge Organization: Classification (Practice) DDC-22 & CC-6	4	3	100		2	100	2:30 Houn
BL- GE 1	Generic Elective (GE) Information Sources, Systems and Services (Practice)	<u>4</u>		100		÷.	100	2:30 Hours
	OR Library Education	×	100		70	30	100	2:30 Hours
Tota	l Semester – I	24		-			600	

Internship of 10-Day duration constitutes the B.L.I.Sc. Programme

Library Visit Tour



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Hemchandracharya North Gujarat University, Patan Department of Library & Information Science Bachelor of Library & Information Science Semester – II

per No. Name of the Paper Total Marks Ext+ Int. = Total Standard Ext+ Int. = Total		Total Teaching Hour	Weekly Teaching Hours	Credits	Exam Hrs,	
Knowledge Organization: Cataloguing (Theory)	70+30=100	28+12=40	15 Weeks x 5 Hours=75	6 Days x 5 Hours = 30	4	2:30 Hours
Knowledge Organization: Cataloguing (Practicel)	100	40	15 Weeks x 5 Hours=75	6 Days x 5 Hours = 30	4	2:30 Hours
Basics of Information and Communication Technology (Theory)	70+30=100	28+12=40	15 Weeks x 5 Hours=75	6 Days x 5 Hours = 30	4	2:30 Hours
Basics of Information and Communication Technology (Practice)	100	40	15 Weeks x 5 Hours=75	6 Days x 5 Hours = 30	4	2:30 Hours
Discipline Specific Elective (DSE) 1. School Library and Media Centre	70+30=100	28+12=40	15 Weeks x 5 Hours=75	6 Days x 5 Hours = 30	4	2:30 Hours
2. Public Library and Information System	70+30=100	28+12=40	15 Weeks x 5 Hours=75	6 Days x 5 Hours = 30	4	2:30 Hours
 Project work: Literature Survey and Field Work 	70+30=100 (Viva)	28+12=40	15 Weeks x 5 Holes=75	6 Days x 5 Hours 70 R	egistrar	2:30 Hours
	Knowledge Organization: Cataloguing (Theory) Knowledge Organization: Cataloguing (Practicel) Basics of Information and Communication Technology (Theory) Basics of Information and Communication Technology (Practice) Discipline Specific Elective (DSE) 1. School Library and Media Centre 2. Public Library and Information System 3. Project work: Literature Survey and	Name of the PaperExt+ Int. = TotalKnowledge Organization: Cataloguing (Theory)70+30=100Knowledge Organization: Cataloguing (Practicel)100Basics of Information and Communication Technology (Theory)70+30=100Basics of Information and Communication Technology (Practice)100Discipline Specific Elective (DSE)70+30=1001. School Library and Media Centre70+30=1002. Public Library and Information System70+30=1003. Project work: Literature Survey and (Vium)70+30=100	Name of the PaperI of al Marks Ext+ Int. = TotalStandard Ext+ Int. = TotalKnowledge Organization: Cataloguing (Theory)70+30=10028+12=40Knowledge Organization: Cataloguing (Practicel)10040Basics of Information and Communication Technology (Theory)70+30=10028+12=40Basics of Information and Communication Technology (Practice)10040Discipline Specific Elective (DSE)100401. School Library and Media Centre70+30=10028+12=402. Public Library and Information System70+30=10028+12=403. Project work: Literature Survey and70+30=100 (Vium)28+12=40	Name of the PaperTotal Marks Ext+ Int, = TotalPassing Standard Ext+ Int, = TotalTeaching HourKnowledge Organization: Cataloguing (Theory)70+30=10028+12=4015 Weeks x 5 Hours=75Knowledge Organization: Cataloguing (Practicel)1004015 Weeks x 5 Hours=75Basics of Information and Communication Technology (Theory)70+30=10028+12=4015 Weeks x 5 Hours=75Basics of Information and Communication Technology (Practice)1004015 Weeks x 5 Hours=75Basics of Information and Communication Technology (Practice)1004015 Weeks x 5 Hours=75Discipline Specific Elective (DSE) 1. School Library and Media Centre70+30=10028+12=4015 Weeks x 5 Hours=752. Public Library and Information System70+30=10028+12=4015 Weeks x 5 Hours=753. Project work: Literature Survey and Field Work70+30=100 (Viva)28+12=4015 Weeks x 5 Hours=75	Name of the PaperTotal Marks Ext+ Int. = TotalPassing Standard Ext+ Int. = TotalTeaching HourWeekly Teaching HoursKnowledge Organization: Cataloguing (Theory)70+30=10028+12=4015 Weeks x 5 Hours=756 Days x 5 Hours = 30Knowledge Organization: Cataloguing (Practice)1004015 Weeks x 5 Hours=756 Days x 5 Hours = 30Basics of Information and Communication Technology (Theory)70+30=10028+12=4015 Weeks x 5 Hours=756 Days x 5 Hours = 30Basics of Information and Communication Technology (Practice)1004015 Weeks x 5 Hours=756 Days x 5 Hours = 30Basics of Information and Communication Technology (Practice)1004015 Weeks x 5 Hours=756 Days x 5 Hours = 30Discipline Specific Elective (DSE)70+30=10028+12=4015 Weeks x 5 Hours=756 Days x 5 Hours = 302. Public Library and Information System70+30=10028+12=4015 Weeks x 5 Hours=756 Days x 5 Hours = 303. Project work: Literature Survey and Field Work70+30=100 (Viva)28+12=4015 Weeks x 5 Hours=756 Days x 5 Hours = 30	Name of the PaperTotal Marks Ext+ Int. = TotalPassing Standard Ext+ Int. = TotalTeaching HourWeekly Teaching HoursCreditsKnowledge Organization: Cataloguing (Theory)70+30=100 $28+12=40$ 15 Weeks x 5 Hours=756 Days x 5 Hours = 304Knowledge Organization: Cataloguing (Practice)1004015 Weeks x 5 Hours=756 Days x 5 Hours = 304Basics of Information and Communication Technology (Theory)70+30=100 $28+12=40$ 15 Weeks x 5 Hours=756 Days x 5 Hours = 304Basics of Information and Communication Technology (Practice)1004015 Weeks x 5 Hours=756 Days x 5 Hours = 304Discipline Specific Elective (DSE)70+30=10028+12=4015 Weeks x 5 Hours=756 Days x 5 Hours = 3042. Public Library and Information System70+30=100 $28+12=40$ 15 Weeks x 5 Hours=756 Days x 5 Hours = 3043. Project work: Literature Survey and Field Work70+30=100 (Viva) $28+12=40$ 15 Weeks x 5 Hours=756 Days x 5 Hours = 3043. Project work: Literature Survey and Field Work70+30=100 (Viva) $28+12=40$ 15 Weeks x 5 Hours=756 Days x 5 Hours = 304

Semester: I

STRUCTURE

HEMCHANDRACHARYA NORTH GUJARAT UNIVERSITY PROGRAMME: MJMC (GENERAL) (2 Years) Syllabus with effect from: June -2019

Course	Name of Subject	T	/ Credit	Exam Duration in Hrs	Components of Marks		
Code	source of Subject	P Cr			Internal	External	Total
MJ 101	HISTORY OF MASS MEDIA	т	4	2.5	30	70	100
MJ 102	WRITING & REPORTING FOR MEDIA	т	4	2.5	30	70	100
MJ 103	CURRENTAFFAIRS AND LANGUAGE PROFICIENCY	T	4	2.5	30	70	100
MJ 111	PHOTO JOURNALISM	T	4	2.5	30	70	100
MJ 122	MASS MEDIA & SOCIETY	т	4	2.5	30	70	100
MJ 112	SPORTS JOURNALISM	Т	4	2.5	30	70	100
MJ 121	VALUES & . SPIRITUALITY	T	- 4	2.5	30	70	100
MJ 123	HUMAN RIGHTS & MEDIA	т	4	2.5	30	70	100
MJ 113	BUSINESS & FINANCIAL JOURNALISM	т	4	2.5	30	70	100
			24	±			

Semester: II

HEMCHANDRACHARYA NORTH GUJARAT UNIVERSITY PROGRAM: MJMC (GENERAL) (2 Years) Syllabus with effect from: December -2019

Course	Name of Subject	T /	Credit	Exam Duration	Comp	onents of M	arks
Code	Traine of Subject	Р	Creux	in Hrs	Internal	External	Total
MJ 201	PRINCIPLES OF MASS COMMUNICATION	т	4	2.5	30	70	100
MJ 202	NEWS & MAGAZINE EDITING	T	4	2.5	30	70	100
MJ 203	COMPUTER APPLICATION	T/ P	2T,2P	2	30	50 + 20 (viva)	100
МЈ 211	RURAL COMMUNICATION	T	4	2.5	30	70	100
MJ 221	CYBER MEDIA	Т	4	2.5	30	70	100
MJ 212	PAGE DESIGNING & PRINTING	T	4	2.5	30	70	100
MJ 213	DEVELOPMENT COMMUNICATION	Т	4	2.5	30	70	100
MJ 223	DESKTOP PUBLISHING	Т	4	2.5	30	70	100
MJ 223	POLITICAL JOURNALISM	T	4	2.5	30	70	10
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* Field / Media house visits are integral part of subjects in this semester.

Semester: III Structure HEMCHANDRACHARYA NORTH GUJARAT UNIVERSITY PROGRAM: MJMC (GENERAL) (2 Years)

Syllabus with effect from: June -2020

		r		Exam	Components of Marks		
Course Code	Name of Subject	T/ P	Credit	Duration in Hrs	Internal	External	Tota
MJ 301	AUDIO-VISUAL COMMUNICATION TECHNOLOGY	т	4	2.5	30	70	100
	COMMUNICATION RESEARCH METHODOLOGY	T	4	2.5	30	70	100
MJ 303	PUBLIC RELATION & ADVERTISEMENT	т	4	2.5	30	70	100
MJ 311	FILM STUDIES	т	4	2.5	30	70	100
MJ 312	PRINTING PRODUCTION	т	4	2.5	30	70	100
MJ 313	TOURNALISM	т	4	2.5	30	70	100
MJ 321	AMEDIA	T	4	2.5	30	70	100
MJ 321	SCIENCE & TECHNOLOGY	T	4	2.5	30	70	100
MJ 323	COMMUNICATION	T	4	2.5	30	70	100
			24			· ·	

*Students are suggested to undergo kinds of activities/project like Documetry, shortfilm etc during this semester.

Semester: IV

STRUCTURE

HEMCHANDRACHARYA NORTH GUJARAT UNIVERSITY

PROGRAM: MJMC (GENERAL) (2 Years)

Syllabus with effect from: December -2020

d.materia		111		Exam	Compo	onents of Ma	rks -
Course Code	Name of Subject	T/ P	Credit	Duration in Hrs	Internal	External	Tota
MJ 401	PRINCIPLES OF MASS COMMUNICATION MEDIA MANAGEMENT	т	4	2.5	30	70	100
MJ 402	MEDIA LAW & ETHICS	Т	4	2.5	30	70	100
MJ 403	DISSERTATION	Р	4	÷	÷	100	100
MJ 411	ENVIRONMENTAL COMMUNICATION	т	4	2.5	30	70	100
MJ 412	TRADITIONAL COMMUNICATION	Т	4	2.5	30	70	100
MJ 413	AGRICULTURAL JOURNALISM	т	4	2.5	30	70	100
MJ 421	HISTORY OF FOLK ART & CULTURE	т	4	2.5	30	70	100
MJ 422	COMMUNICATION IN DISASTER	T	Â.	2.5	30	70	100
MJ 423	INTER – CULTURAL COMMUNICATION	T	4	2.5	30	· 70	10
			24		1		

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SEMESTER CBCS

MCA SEMESTER-I

PROGRAM CODE : HNGU 2184

			Teachi Schen			20.439 20.53 전	10	tion Sch	eme	1
Sub.	Subject Name	Total	Theory	Practical	Intern	al Marks	Extern	al Marks	Total	Marks
No.	Subject Name	Credit	Lectures Hours / Week	Per Batch * Hours / Week	Theory (IT)	Practical (IP)	Theory (ET)	Practical (EP)	Theory (IT+ET)	Practical (IP+EP)
MCA-11	Mathematics - I	4	4	181	30		70	-	100	:**:
MCA-12	Financial Accounting & Management	4	4	- 	30	(#)	70		100	~
MCA-13	Introduction to Programming Language	4	2	2	30	20	70	30	100	50
MCA-14	Internet & Web-I	4	2	2	30	20	70	30	100	50
MCA-15	Database Management System	4	2	2	30	20	70	30	100	50
	Total	20	14	6		824	200	-	500	150

Note : * Indicates 60 students batch per practical.

 IT - Internal Theory
 IP - Internal Practical

 ET - External Theory
 EP - External Practical



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SEMESTER CBCS

MCA SEMESTER- II PROGRAM CODE : HNGU 2184

			Teachi Schem			F	xamina	tion Sche	eme	
Sub.	Subject Name	Total	Theory	Practical	Intern	al Marks	Extern	al Marks	Total	Marks
No.	Suger vane	Credit	Lectures Hours / Week	Per Batch * Hours / Week	Theory (IT)	Practical (IP)	Theory (ET)	Practical (EP)	Theory (IT+ET)	Practical (IP+EP)
MCA-21	Computer Oriented Numerical & Statistical Methods	4	4	34	30		70	-	100	-
MCA-22	Software Engineering	4	4	7 4	30	1994	70	-	100	÷
MCA-23	Operating System & UNIX	.4	2	2	30	20	70	30	100	50
MCA-24	Object Technology – I	4	2	2	30	20	70	30	100	50
MCA-25	Advanced Database Architecture	4	2	2	30	20	70	30	100	50
	Total	20	14	6	3 5	1	347		500	150

Note : * Indicates 60 students batch per practical

- IT Internal Theory ET - External Theory
- IP Internal Practical EP - External Practical



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SEMESTER CBCS

MCA SEMESTER-III PROGRAM CODE : HNGU 2184

			Teachi Schen					tion Sche	eme	
Sub.	Subject Name	Total	Theory	Practical	Intern	al Marks	Extern	al Marks	Total	Marks
No.	Subject Name	Credit	Lectures Hours / Week	Per Batch * Hours / Week	Theory (IT)	Practical (IP)	Theory (ET)	Practical (EP)	Theory (IT+ET)	Practical (IP+EP)
MCA-31	Computer Based Optimization Models	4	â	3 1	30		70		100	7 40
MCA-32	Networking - I	-4)	4	5 44	30	-22	70	-	100	
MCA-33	Introduction to Algorithms	4	2	2	30	20	70	30	100	50
MCA-34	Advance Java Technology[J2EE]	4	2	2	30	20	70	30	100	50
MCA-35	Web Development using PHP	4	2	2	30	20	70	30	100	50
	Total	20	14	6		••			500	150

Note : * Indicates 60 students batch per practical.

IT – Internal Theory IP – ET – External Theory EP –

IP – Internal Practical EP – External Practical



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SEMESTER CBCS

MCA SEMESTER-IV PROGRAM CODE : HNGU 2184

			Teachi Schem	0		and the second	Examina	tion Sche	eme	
Sub.	Subject Name	Total	Theory	Practical	Intern	al Marks	Extern	al Marks	Total	Marks
No.	Subject Name	Credit	Lectures Hours / Week	Per Batch * Hours / Week	Theory (IT)	Practical (IP)	Theory (ET)	Practical (EP)	Theory (IT+ET)	Practical (IP+EP)
MCA-41	Personality Development and Aptitude Test	4	4	34	20	10 (Viva)	50	20 (Viva)	70	30 (Viva)
MCA-42	Networking - II	4	4	- CO	30	-22	70	- 52	100	22
MCA-43	Advance Web Technology – I	4	2	2	30	20	70	30	100	50
MCA-44	Computer Graphics	4	2	2	30	20	70	30	100	50
MCA-45	Computer Security	4	ž	2	30	20	70	30	100	50
	Total	20	14	6	2 25	122			470	180

Note : * Indicates 60 students batch per practical. IT - Internal Theory

IP - Internal Practical

ET - External Theory

EP - External Practical



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SEMESTER CBCS

M C A SEMESTER - V

		Te	eaching Sc	heme			Examina	tion Scher	ne	
Sub.	Subject Name	Total	Theory	Practical	Intern	al Marks	Extern	al Marks	Total	Marks
No.	Subject Mane	Credit	Lectures Hours / Week	Per Batch Hours / Week	Theory (IT)	Practical (IP)	Theory (ET)	Practical (EP)	Theory (IT+ET)	Practical (IP+EP)
MCA - 51	Project Management Practices and Evaluation	.4	4		30	:	70		100	
MCA - 52	Mobile Applications	4	2	2	30	20	70	30	100	50
MCA - 53	Cloud Computing	4	2	2	30	20	70	30	100	50
MCA - 54	Elective - I	4	2	2	30	20	70	30	100	50
MCA - 55	Elective - II	4	2	2	30	20	70	30	100	50
	Total	20	12	8			••		500	200

* IT - Internal Theory ET - External Theory **IP** – Internal Practical

EP - External Practical

List of Elective Subjects:

1 DSS with Artificial Intelligence

- 2 Object Oriented Analysis & Design
- 3 Wireless Technology

4 Human Computer Interaction & Interface Design

5 Compiler Design

6 Digital Image Processing

7 Embedded Systems

8 Advance Web Technology - II

9 Theory of Automata & Formal Language



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SEMESTER CBCS

M C A SEMESTER - VI

		Teaching Sch	neme]	Examination Sche	eme	
Subject Name	Total Credit	Theory	Practical	Interna	l Marks		l Marks iustry marks)	Total
		Lectures Hours / Week	Per Batch Hours / Week	Theory	Practical	Theory	Practical	Marks
System Development Project	20	05 Full months 05 days per wee and 05 hours a c		1 st Progress R 2 nd Progress I 3 rd Progress F	Report - 50	From external orgar (Industry marks) Final Viva, Presenta		
Total	20			20	00	40	00	600



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	MSW SEM: I				
DADED MO	NAME OF OUDIEOR	EVELUA'	TION WE	GHTAGE	CREDIT
PAPER NO	NAME OF SUBJECT	NTERNA	XTERNA	TOTAL	
MSW C 111	HISTORY AND PHILOSOPHY OF SOCIAL WORK	30	70	100	3
MSW C 112	SOCIAL CASE WORK	30	70	100	3
MSW C 113	SOCIAL GROUP WORK	30	70	100	3
MSW C 114	FIELD WORK PRACTICE	60	140	200	6
MSW C 115	INTRODUCTION TO PC PACKAGES-I		50	50	2
MSW E 116*	INTRODUCTION TO SOCIAL SCIENCE			50	~
MSW E 110 MSW E 117*	HUMAN GROWTH & BEHAVIOUR	30	70	100	3
MSW E 117*	POLITICAL ECONOMI OF DEVELOPMENT		18	100	× .
M3W E 110					
	TOTAL	180	470	650	20
	MSW SEM : II				
PAPER NO	NAME OF SUBJECT		TION WE		CREDIT
THEBRING	All a constant	INTERN	EXTERN	TOTAL	
MSW C 211	COMMUNITY ORGANIZATION	30	70	100	33
MSW C 212	SOCIAL WORK RESEARCH & STATISTICS	30	70	100	3
	PERSONAL & PROFESSIONAL DEVELOPMENT IN SOCIAL				
MSW C 213	WORK PRACTICE	30	70	100	3
MSW C 214	NGO & GOVERNMENT FIELD WORK	60	140	200	6
MSW C 215	TRIBLE CAMP	INV.	50	50	2
MSW E 215	INTRODUCTION TO FILDE OF SOCIAL WORK		30	.50	2
MSW E 217*	FAMILY CHILD AND YOUTH WELFARE	30	70	+00	3
internation of the second s	and the second standard standards of the standard standard standard standard standard standards and standard st	20	70	100	8
MSW E 218*	URBAN AND RURAL COMMUNITY DEVELOPMENT				
		180	470	650	20
	TOTAL	535	155	- 755-55-	1995
	MSW SEM : III				
PAPER NO	NAME OF SUBJECT	EVELUA'	TION WE	IGHTAGE	CREDIT
FAFERING	NAME OF SUBJECT	INTERN	EXTERN.	TOTAL	
		- 3 a 1	70	100	3
MSW C 311	LABOUR WELFARE AND HUMAN RESOURCE MANAGEMENT	30	70	100	3
		2.4.420			
MSW C 312	HEALTH CARE & SOCIAL WORK PRACTICE	30	70	100	3
MSW C 311 MSW C 312 MSW C 313 MSW C 314	HEALTH CARE & SOCIAL WORK PRACTICE COUNSELING THEORY & PRACTICE	30 30	70 70	100 100	3
MSW C312 MSW C313 MSW C314	HEALTH CARE & SOCIAL WORK PRACTICE COUNSELING THEORY & PRACTICE BLOCK PLACEMENT	30	70 70 140	100 100 200	3 3 6
MSW C 312 MSW C 313 MSW C 314 MSW C 315	HEALTH CARE & SOCIAL WORK PRACTICE COUNSELING THEORY & PRACTICE BLOCK PLACEMENT INTRODUCTION TO PC PACKAGES-II	30 30	70 70	100 100	3
MSW C 312 MSW C 313 MSW C 314 MSW C 315 MSW E 316*	HEALTH CARE & SOCIAL WORK PRACTICE COUNSELING THEORY & PRACTICE BLOCK PLACEMENT INTRODUCTION TO PC PACKAGES-II GENDER AND DEVELOPMENT	30 30 60	70 70 140 50	100 100 200 50	3 3 6 2
MSW C 312 MSW C 313 MSW C 314 MSW C 315 MSW E 316* MSW E 317*	HEALTH CARE & SOCIAL WORK PRACTICE COUNSELING THEORY & PRACTICE BLOCK PLACEMENT INTRODUCTION TO PC PACKAGES-II GENDER AND DEVELOPMENT LABOURLEGISLATION	30 30	70 70 140	100 100 200	3 3 6
MSW C 312 MSW C 313 MSW C 314 MSW C 315 MSW E 316*	HEALTH CARE & SOCIAL WORK PRACTICE COUNSELING THEORY & PRACTICE BLOCK PLACEMENT INTRODUCTION TO PC PACKAGES-II GENDER AND DEVELOPMENT	30 30 60	70 70 140 50	100 100 200 50	3 3 6 2
MSW C 312 MSW C 313 MSW C 314 MSW C 315 MSW E 316* MSW E 317*	HEALTH CARE & SOCIAL WORK PRACTICE COUNSELING THEORY & PRACTICE BLOCK PLACEMENT INTRODUCTION TO PC PACKAGES-II GENDER AND DEVELOPMENT LABOURLEGISLATION FUNDAMENTAL OF MANAGEMENT	30 30 60 30	70 70 140 50 70	100 100 200 50 100	3 3 6 2 3
MSW C 312 MSW C 313 MSW C 314 MSW C 315 MSW E 316* MSW E 317*	HEALTH CARE & SOCIAL WORK PRACTICE COUNSELING THEORY & PRACTICE BLOCK PLACEMENT INTRODUCTION TO PC PACKAGES-II GENDER AND DEVELOPMENT LABOURLEGISLATION FUNDAMENTAL OF MANAGEMENT TOTAL	30 30 60	70 70 140 50	100 100 200 50	3 3 6 2
MSW C 312 MSW C 313 MSW C 314 MSW C 315 MSW E 316* MSW E 317*	HEALTH CARE & SOCIAL WORK PRACTICE COUNSELING THEORY & PRACTICE BLOCK PLACEMENT INTRODUCTION TO PC PACKAGES-II GENDER AND DEVELOPMENT LABOURLEGISLATION FUNDAMENTAL OF MANAGEMENT	30 30 60 30	70 70 140 50 70	100 100 200 50 100	3 3 6 2 3
MSW C 312 MSW C 313 MSW C 314 MSW C 315 MSW E 316* MSW E 317* MSW E 318*	HEALTH CARE & SOCIAL WORK PRACTICE COUNSELING THEORY & PRACTICE BLOCK PLACEMENT INTRODUCTION TO PC PACKAGES-II GENDER AND DEVELOPMENT LABOURLEGISLATION FUNDAMENTAL OF MANAGEMENT TOTAL MSW SEM: IV	30 30 60 30 180	70 70 140 50 70	100 100 200 50 100 650	3 6 2 3 20
MSW C 312 MSW C 313 MSW C 314 MSW C 315 MSW E 316* MSW E 317*	HEALTH CARE & SOCIAL WORK PRACTICE COUNSELING THEORY & PRACTICE BLOCK PLACEMENT INTRODUCTION TO PC PACKAGES-II GENDER AND DEVELOPMENT LABOURLEGISLATION FUNDAMENTAL OF MANAGEMENT TOTAL	30 30 60 30 180 EVELUA	70 70 140 50 70 470	100 100 200 50 100 650 GHTAGE	3 6 2 3 20
MSW C 312 MSW C 313 MSW C 314 MSW C 315 MSW E 316* MSW E 317* MSW E 318*	HEALTH CARE & SOCIAL WORK PRACTICE COUNSELING THEORY & PRACTICE BLOCK PLACEMENT INTRODUCTION TO PC PACKAGES-II GENDER AND DEVELOPMENT LABOURLEGISLATION FUNDAMENTAL OF MANAGEMENT TOTAL MSW SEM: IV	30 30 60 30 180 EVELUA	70 70 140 50 70 470	100 100 200 50 100 650 GHTAGE	3 6 2 3 20
MSW C 312 MSW C 313 MSW C 314 MSW C 315 MSW E 316* MSW E 317* MSW E 318*	HEALTH CARE & SOCIAL WORK PRACTICE COUNSELING THEORY & PRACTICE BLOCK PLACEMENT INTRODUCTION TO PC PACKAGES-II GENDER AND DEVELOPMENT LABOURLEGISLATION FUNDAMENTAL OF MANAGEMENT TOTAL MSW SEM: IV NAME OF SUBJECT	30 30 60 30 180 EVELUA	70 70 140 50 70 470 TION WEI EXTERN	100 200 50 100 650 GHTAGE TOTAL	3 6 2 3 20 CREDIT
MSW C 312 MSW C 313 MSW C 314 MSW C 315 MSW E 316* MSW E 317* MSW E 318* PAPER NO MSW C 411 MSW C 412	HEALTH CARE & SOCIAL WORK PRACTICE COUNSELING THEORY & PRACTICE BLOCK PLACEMENT INTRODUCTION TO PC PACKAGES-II GENDER AND DEVELOPMENT LABOURLEGISLATION FUNDAMENTAL OF MANAGEMENT TOTAL MSW SEM: IV NAME OF SUBJECT SOCIAL WORK AND DISASTER MANAGEMENT ORGANIZATIONAL BEHAVIOUR	30 30 60 30 180 EVELUA INTERN 30 30	70 70 140 50 70 470 470 TION WEI EXTERN 70 70	100 200 50 100 650 GHTAGE TOTAL 100 100	3 6 2 3 20 CREDIT 3 3
MSW C 312 MSW C 313 MSW C 314 MSW C 315 MSW E 316* MSW E 316* MSW E 318* PAPER NO MSW C 411 MSW C 412 MSW C 413	HEALTH CARE & SOCIAL WORK PRACTICE COUNSELING THEORY & PRACTICE BLOCK PLACEMENT INTRODUCTION TO PC PACKAGES-II GENDER AND DEVELOPMENT LABOURLEGISLATION FUNDAMENTAL OF MANAGEMENT TOTAL MSW SEM: IV NAME OF SUBJECT SOCIAL WORK AND DISASTER MANAGEMENT ORGANIZATIONAL BEHAVIOUR SOCIAL DEFENCE & CORRCTIONAL SERVICES	30 30 60 30 180 EVELUA INTERN/ 30 30 30	70 70 140 50 70 470 470 TION WEI EXTERN 70 70 70 70	100 200 50 100 650 GHTAGE TOTAL 100 100 100	3 6 2 3 20 CREDIT 3 3 3
MSW C 312 MSW C 313 MSW C 314 MSW C 315 MSW E 316* MSW E 316* MSW E 318* PAPER NO MSW C 411 MSW C 412 MSW C 413	HEALTH CARE & SOCIAL WORK PRACTICE COUNSELING THEORY & PRACTICE BLOCK PLACEMENT INTRODUCTION TO PC PACKAGES-II GENDER AND DEVELOPMENT LABOURLEGISLATION FUNDAMENTAL OF MANAGEMENT TOTAL MSW SEM: IV NAME OF SUBJECT SOCIAL WORK AND DISASTER MANAGEMENT ORGANIZATIONAL BEHAVIOUR	30 30 60 30 180 EVELUA INTERN 30 30	70 70 140 50 70 470 470 TION WEI EXTERN 70 70	100 100 200 50 100 650 GHTAGE TOTAL 100 100	3 6 2 3 20 CREDIT 3 3
MSW C 312 MSW C 313 MSW C 314 MSW C 315 MSW E 316* MSW E 317* MSW E 318* PAPER NO MSW C 411 MSW C 412 MSW C 413 MSW C 414	HEALTH CARE & SOCIAL WORK PRACTICE COUNSELING THEORY & PRACTICE BLOCK PLACEMENT INTRODUCTION TO PC PACKAGES-II GENDER AND DEVELOPMENT LABOURLEGISLATION FUNDAMENTAL OF MANAGEMENT TOTAL MSW SEM: IV NAME OF SUBJECT SOCIAL WORK AND DISASTER MANAGEMENT ORGANIZATIONAL BEHAVIOUR SOCIAL DEFENCE & CORRCTIONAL SERVICES RESEARCH REPORT	30 30 60 30 180 EVELUA INTERN/ 30 30 30	70 70 140 50 70 470 470 TION WEI EXTERN 70 70 70 70	100 200 50 100 650 GHTAGE TOTAL 100 100 100	3 6 2 3 20 CREDIT 3 3 3
MSW C 312 MSW C 313 MSW C 314 MSW C 315 MSW E 316* MSW E 317* MSW E 318* PAPER NO MSW C 411 MSW C 412 MSW C 413 MSW C 414	HEALTH CARE & SOCIAL WORK PRACTICE COUNSELING THEORY & PRACTICE BLOCK PLACEMENT INTRODUCTION TO PC PACKAGES-II GENDER AND DEVELOPMENT LABOURLEGISLATION FUNDAMENTAL OF MANAGEMENT TOTAL MSW SEM: IV NAME OF SUBJECT SOCIAL WORK AND DISASTER MANAGEMENT ORGANIZATIONAL BEHAVIOUR SOCIAL DEFENCE & CORRCTIONAL SERVICES RESEARCH REPORT INTRODUCTION AND APPLICATION OF SPSS IN RESEARCH	30 30 60 30 180 EVELUA INTERN/ 30 30 30	70 70 140 50 70 470 470 TION WEI EXTERN 70 70 70 140	100 200 50 100 650 GHTAGE TOTAL 100 100 200	3 6 2 3 20 CREDIT 3 3 3 6
MSW C 312 MSW C 313 MSW C 314 MSW C 315 MSW E 316* MSW E 316* MSW E 317* MSW E 318* PAPER NO MSW C 411 MSW C 412 MSW C 413 MSW C 414 MSW C 415	HEALTH CARE & SOCIAL WORK PRACTICE COUNSELING THEORY & PRACTICE BLOCK PLACEMENT INTRODUCTION TO PC PACKAGES-II GENDER AND DEVELOPMENT LABOURLEGISLATION FUNDAMENTAL OF MANAGEMENT TOTAL MSW SEM: IV NAME OF SUBJECT SOCIAL WORK AND DISASTER MANAGEMENT ORGANIZATIONAL BEHAVIOUR SOCIAL DEFENCE & CORRCTIONAL SERVICES RESEARCH REPORT INTRODUCTION AND APPLICATION OF SPSS IN RESEARCH CLINICAL PSYCHOLOGY AND COMMUNITY MENTAL	30 30 60 30 180 EVELUA INTERN/ 30 30 30	70 70 140 50 70 470 470 TION WEI EXTERN 70 70 70 140	100 200 50 100 650 GHTAGE TOTAL 100 100 200	3 6 2 3 20 CREDIT 3 3 3 6
MSW C 312 MSW C 313 MSW C 314 MSW C 315 MSW E 316* MSW E 317* MSW E 318* PAPER NO MSW C 411 MSW C 412 MSW C 413 MSW C 414 MSW C 415 MSW C 416*	HEALTH CARE & SOCIAL WORK PRACTICE COUNSELING THEORY & PRACTICE BLOCK PLACEMENT INTRODUCTION TO PC PACKAGES-II GENDER AND DEVELOPMENT LABOURLEGISLATION FUNDAMENTAL OF MANAGEMENT TOTAL MSW SEM: IV NAME OF SUBJECT SOCIAL WORK AND DISASTER MANAGEMENT ORGANIZATIONAL BEHAVIOUR SOCIAL DEFENCE & CORRCTIONAL SERVICES RESEARCH REPORT INTRODUCTION AND APPLICATION OF SPSS IN RESEARCH CLINICAL PSYCHOLOGY AND COMMUNITY MENTAL HEALTH	30 30 60 30 180 EVELUA INTERN 30 30 30 60	70 70 140 50 70 470 470 TION WEI EXTERN 70 70 70 140 50	100 200 50 100 650 GHTAGE TOTAL 100 100 200 50	3 6 2 3 20 CREDIT 3 3 3 6 2
MSW C 312 MSW C 313 MSW C 314 MSW C 315 MSW E 316* MSW E 316* MSW E 317* MSW E 318* PAPER NO MSW C 411 MSW C 412 MSW C 413 MSW C 414 MSW C 415	HEALTH CARE & SOCIAL WORK PRACTICE COUNSELING THEORY & PRACTICE BLOCK PLACEMENT INTRODUCTION TO PC PACKAGES-II GENDER AND DEVELOPMENT LABOURLEGISLATION FUNDAMENTAL OF MANAGEMENT TOTAL MSW SEM: IV NAME OF SUBJECT SOCIAL WORK AND DISASTER MANAGEMENT ORGANIZATIONAL BEHAVIOUR SOCIAL DEFENCE & CORRCTIONAL SERVICES RESEARCH REPORT INTRODUCTION AND APPLICATION OF SPSS IN RESEARCH CLINICAL PSYCHOLOGY AND COMMUNITY MENTAL HEALTH NGO MANAGEMENT	30 30 60 30 180 EVELUA INTERN/ 30 30 30	70 70 140 50 70 470 470 TION WEI EXTERN 70 70 70 140	100 200 50 100 650 GHTAGE TOTAL 100 100 200	3 6 2 3 20 CREDIT 3 3 3 6
MSW C 312 MSW C 313 MSW C 314 MSW C 315 MSW E 316* MSW E 317* MSW E 318* PAPER NO MSW C 411 MSW C 412 MSW C 413 MSW C 414 MSW C 415 MSW C 416*	HEALTH CARE & SOCIAL WORK PRACTICE COUNSELING THEORY & PRACTICE BLOCK PLACEMENT INTRODUCTION TO PC PACKAGES-II GENDER AND DEVELOPMENT LABOURLEGISLATION FUNDAMENTAL OF MANAGEMENT TOTAL MSW SEM: IV NAME OF SUBJECT SOCIAL WORK AND DISASTER MANAGEMENT ORGANIZATIONAL BEHAVIOUR SOCIAL DEFENCE & CORRCTIONAL SERVICES RESEARCH REPORT INTRODUCTION AND APPLICATION OF SPSS IN RESEARCH CLINICAL PSYCHOLOGY AND COMMUNITY MENTAL HEALTH	30 30 60 30 180 EVELUA INTERN 30 30 30 60	70 70 140 50 70 470 470 TION WEI EXTERN 70 70 70 140 50	100 200 50 100 650 GHTAGE TOTAL 100 100 200 50	3 6 2 3 20 CREDIT 3 3 6 2
MSW C 312 MSW C 313 MSW C 314 MSW C 315 MSW E 316* MSW E 317* MSW E 318* PAPER NO MSW C 411 MSW C 412 MSW C 413 MSW C 414 MSW C 415 MSW C 416*	HEALTH CARE & SOCIAL WORK PRACTICE COUNSELING THEORY & PRACTICE BLOCK PLACEMENT INTRODUCTION TO PC PACKAGES-II GENDER AND DEVELOPMENT LABOURLEGISLATION FUNDAMENTAL OF MANAGEMENT TOTAL MSW SEM: IV NAME OF SUBJECT SOCIAL WORK AND DISASTER MANAGEMENT ORGANIZATIONAL BEHAVIOUR SOCIAL DEFENCE & CORRCTIONAL SERVICES RESEARCH REPORT INTRODUCTION AND APPLICATION OF SPSS IN RESEARCH CLINICAL PSYCHOLOGY AND COMMUNITY MENTAL HEALTH NGO MANAGEMENT	30 30 60 30 180 EVELUA INTERN 30 30 30 60	70 70 140 50 70 470 470 TION WEI EXTERN 70 70 70 140 50	100 200 50 100 650 GHTAGE TOTAL 100 100 200 50	3 6 2 3 20 CREDIT 3 3 3 6 2
MSW C 312 MSW C 313 MSW C 314 MSW C 315 MSW E 316* MSW E 316* MSW E 317* MSW E 318* PAPER NO MSW C 412 MSW C 412 MSW C 413 MSW C 414 MSW C 415 MSW C 416* MSW E 416*	HEALTH CARE & SOCIAL WORK PRACTICE COUNSELING THEORY & PRACTICE BLOCK PLACEMENT INTRODUCTION TO PC PACKAGES-II GENDER AND DEVELOPMENT LABOURLEGISLATION FUNDAMENTAL OF MANAGEMENT TOTAL MSW SEM: IV NAME OF SUBJECT SOCIAL WORK AND DISASTER MANAGEMENT ORGANIZATIONAL BEHAVIOUR SOCIAL DEFENCE & CORRCTIONAL SERVICES RESEARCH REPORT INTRODUCTION AND APPLICATION OF SPSS IN RESEARCH CLINICAL PSYCHOLOGY AND COMMUNITY MENTAL HEALTH NGO MANAGEMENT ADMINISTRATION OF WALFARE AND DEVELOPMENT	30 30 60 30 180 EVELUA INTERN 30 30 30 60	70 70 140 50 70 470 470 TION WEI EXTERN 70 70 70 140 50	100 200 50 100 650 GHTAGE TOTAL 100 100 200 50	3 6 2 3 20 CREDIT 3 3 3 6 2



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વિભાગ – ૧ સૈધ્ધાંતિક

ક્રમ	વિષય/પ્રવૃત્તિ	આંતરીક ગુજ્ર	બાહ્ય ગુવ્ર	નેલ ગુજ	ŝ₿s
CC-101	શારીરિક શિક્ષણનો ઈતિહાસ, આધુનિક પ્રવાહી અને પાયાગત સિધ્ધાંતો	30	70	100	4
CC-102	શરીર રચના અને શરીર વિજ્ઞાન	30	70	100	4
CC-103	રમત ચિકિત્સા શાસ્ત્ર	30	70	100	4
EC-101	આહાર અને મેદસ્વિતા	-			
	અથવા	30	70	100	4
EC102	શિક્ષણની તાત્વીક આધારશિલાઓ	1 - 1			
	4,	120	280	400	16
	વિભાગ-ર : પ્રાયોગિક – PRA-10)1			
\$4	વિષય/પ્રવૃત્તિ	આંતરીક ગુણ	બાક્ષ ગુવ્ર	કુલ ગુણ	sßâ
1	ખેલકૂદ (કૌશલ્ય, પંચકાર્ય, સાધાનો અને માપ) (૧) પ્રસ્થાન અને ફિનિસીંગ (૨) રીલેદોડ (૩) લાંબીકૂદ (૪) ગોળાર્કેક	10	30	40	1.6
2	જિમ્નાસ્ટીકસ (ભાઈઓ) (૧) ક્લોર એકસરસાઈઝ (૨) હોરીઝન્ટલબાર (૩) વોલ્ટીગબોકસ	10	30	40	1.6
	જિમ્નાસ્ટીકસ (બહેનો) (૧) ફ્લોર એકસરસાઈઝ (૨) હોરીઝન્ટલબાર (૩) વોલ્ટીગબોકસ	10	30	40	1.6
3	યોગાસન (સૂર્યનમસ્કાર, પ્રાણાયામ, આસની)	10	30	40	1.6
4	ખો–ખો (કૌશલ્ય, પંચકાર્ય, સાધનો ઓ માપ)	- 10	30	40	1.6
5	કબડડી (કૌશલ્ય, પંચકાર્ય, સાધનો અને માપ)	10	30	40	1.6
6	હેન્ડબોલ (કૌશલ્ય, પંચકાર્ય, સાધનો અને માપ)	10	30	40	1.6
7	કુસ્તી (કૌશલ્ય, પંચકાર્ય, સાધનો અને માપ)	10	30	40	1.6
8	બેડમિન્ટન (કૌશલ્ય, પંચકાર્ય, સાધનો અને માપ)	10	30	40	1.6
9	સાદી અને રીલે રમતો	10	30	40	1.6
10	સંથવ્યાયામ (૧) કેલેસ્થનિકસ (૨) ડમ્બેલ્સ (૩) વોન્ડ (૪) ફ્લેગક વાયત	10	30	40	1.6
	13 Martin	100	300	400	16
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વિભાગ - -

. 14	વિષય/પ્રવૃત્તિ	આંતરીક ગુણ	બાહ્ય ગુણ	<u> 1</u> 년 (년	£₿2
CC-201	શૈક્ષણિક અને શારીરિક શિક્ષભ્રની પધ્ધતિએ. 🥤	30	70	100	4
CC-202	રમત સમાજશાસ્ત્ર	30	70	100	4
CC-203	યોગ શિક્ષણ	30	70	100	4
EC-201	શારીરિક યોગ્યતા અને સુખાકારી				
	અથવા	30	70	100	4
EC-202	કોમ્પ્યુટર, ઈન્ફોર્મેશન અને ટેકનોલોજી	1			
		120	280	400	16
_	વિભાગ-ર : પ્રાયોગિક – PRA-20	1			
ક્રમ	વિષય/પ્રવૃત્તિ	આંતરીક ગુણ	બાક્ષ ગુન્ન	કુલ ગુવ્ર	≩ßa
1	ખેલકૂદ (કૌશલ્ય, પંચકાર્ય, સાધાનો અને માપ) (૧) પ્રસ્થાન અને ફિનિસીંગ (૨) રીલેદોડ (૩) લાંબીકૂદ (૪) ગોળાફેક	10	30	40	1.6
2	જિગ્નાસ્ટીકસ (ભાઈઓ) (૧) ફ્લોર એકસરસાઈઝ (૨) હોરીઝન્ટલબાર (૩) વોલ્ટીંગબોકસ	10	30	40	1.6
	જિમ્નાસ્ટીકસ (બહેનો) (૧) ફ્લોર એક્સરસાઈઝ (૨) હોરીઝન્ટલબાર (૩) વોલ્ટીંગબોક્સ	10	30	40	1.6
3	વોલીબોલ (કૌશલ્ય, પંચકાર્ય, સાધનો અને માપ)	10	30	40	1.6
4	કૂટબોલ (કૌશલ્ય, પંચકાર્ય, સાધનો અને માપ)	10	30	40	1.6
5	બાસ્કેટબોલ (કૌશલ્ય, પંચકાર્ય, સાધનો અને ગાળ)	10	30	40	1.6
6	ટેબલ ટેનિસ (કૌશલ્ય, પંચકાર્ય, સાધનો અને માપ)	10	30	40	1.6
7	ક્રિકેટ (કૌશલ્ય, પંચકાર્ય, સાધનો અને મ્ટપ)	10	30	40	1.6
8	જૂડો (કૌશલ્ય, પંચકાર્ય, સાધનો અને માપ)	10	30	40	1.6
9	શૈક્ષણિક પ્રવાસ (લેખિત રીપોર્ટ) / રમત સજજતા, સ્પર્ધા અને વ્યવસ્થાપન	10	30	40	1.6
10	સંઘવ્યાયામ (૧) કેલેસ્થનિકસ (૨) ડમ્બેલ્સ (૩) વોન્ડ (૪) કલેગક વાયત	10	30	40	1.6
	13/10-5	100~2	300	400	16

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બી.પી.એક્ટ સન્ટ – ૩ વિભાગ – ૧ સંધ્યાંતિક

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ક્રમ	વિષય/પ્રવૃત્તિ	આંતરીક ગુણ	બાક્ષ ગુણ	કુલ ગુણ	sأ
CC-301	શારીરિક શિક્ષણ અને ૨મત મનોવિજ્ઞાન	30	70	100	4
CC-302	પંચકાર્ય અને રાહબરી	30	70	100	4
CC-303	હલનચલન શાસ્ત્ર અને જેવયંત્ર વિશાન	30	70	100	4
EC-301	શારીરિક શિયણમાં કસોટી અને માપન				
_	અથવા .	30	70	100	4
EC-302	પર્યાવરણ અને સ્વાસ્થ્ય શિક્ષણ				
		120	280	400	16
	વિભાગ-૨ : પ્રાયોડિંડ – PRA-30	k			
ક્રમ	વિષય/પ્રવૃત્તિ	આંતરીક ગુણ	બાક્ષ ગુણ	કુલ ગુણ	S Bz
1	ખેલકૂદ (કૌશલ્ય, પંચકાર્ય, સાધાનો અને માપ) (૧) સ્ટીપલચેઈજ અને જલદચાલ (૨) ચક્રફેક (૩) હથોડાફેક (૪) વાંસકુદ	10	30	40	1.6
2	નેટબોલ (કૌશલ્ય, પંચકાર્ય, સાધનો અને મરપ)	10	30	40	1.6
3	હોકી (કૌશલ્ય, પંચકાર્ય, સાધનો અને માપ)	10	30	40	1.6
4	ટેનિસ (કીશલ્ય, પંચકાર્ય, સાધનો અને માપ) , ગ્રહ્ય	10	30	40	1.6
5	સોફ્ટબોલ (કૌશલ્ય, પંચકાર્ય, સાધનો અને મહ્ય)	10	30	40	1.6
		50	150	200	8.0
	પાઠઆયોજન				
1	શારીરિક શિક્ષણના પ્રાયોગિક પાઠઆયોજન આંતરીક૮ પાઠ- સંઘવાયાયામ-૧, જિમ્નાસ્ટીકસ-૧, ખેલકૂલ-૧, સત્ર-૧,૨,૩ માં સમાવેશ કરેલ કોઈપણ રેે. ાંદી-પ બાક્ષ-૨, પાઠ-સંઘવ્યાયામ/જિમ્નાસ્ટીકસ/ખેલકદ્વમાંથી-૧, ૨મતોમાંથી-૧	40	40	100	4.0
2	શારીરિક શિક્ષણના વર્ગખંડ પાઠઆયોજન અર્ધ,ર, પાઠ–સંઘવ્યાયામ/જિમ્નાસ્ટીકસ/ખેલકુદમાંથી–ત, અભ્યાસક્રમ પ્રમાણે, રમતોમાંથી– ૩ અભ્યાસક્રમ પ્રમાણે, બાજ્ય–૧ પાઠ, રમતોમાંથી–૧	20	30	50	2.0
	A MARANAN AN	60	90	150	6.0

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I/c. Registrar Hemchandracharya North Gujarat University PATAN

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બી.પી.એડ્. સઃ! – ૪ વિભાગ – ૧ સૈલ્લોતિક

血气	વિષય/પ્રવૃત્તિ	આંતરીક	બાહ્ય	કુલ	ŝΩâ
CC-401	રમત તાલીમ	렌팃	ગુલ	ગુજ	
		30	70	100	4
CC-402	રમત સંચાલન અભ્યાસક્રમ રચના	30	70	100	4
CC-403	રમત ઈજાઓમાં ફિઝીયોથેરાપી અને પુનઃ સ્થિતિ સ્થાપન	30	70	100	4
3C-401	શિક્ષણના પાયાગત તત્વો				
	અથવા	30	70	100	4
C-402	જ્ઞાનાત્મક રમત–ગમત અને ખેલકૂદ				
		120	280	400	16
	વિભાગ-૨ : પ્રાયોગિક – PRA-40	1			
ક્રમ	વિષય/પ્રવૃત્તિ	આંતરીક ગુવ્ર	બાક્ષ ગુવ્ર	કુલ ગુદ્ધ	sßâ
1	બેઈઝબોલ (કૌશલ્ય, પંચકાર્ય, સાધનો અને માપ)	10	30	40	1.6
2	બોલ બેડમિન્ટન (કૌશલ્ય, પંચકાર્ય, સાધનો અને માપ)	10	30	40	1.6
3	આર્ચરી (કૌશલ્ય, પંચકાર્ય, સાધનો અને માપ)	10	30	40	1.6
4	એરોબિકસ/તાલગતી (કૌશલ્ય, પંચકાર્ય, સાધનો અને માપ)	10	30	40	1.6
5	થ્રો (કૌશલ્ય, પંચકાર્ય, સાધનો અને માપ)	10	30	40	1.6
		50	150	200	8.0
	પાઠઆયોજન				_
1	શારીરિક શિક્ષણના પ્રાયોગિક પાઠઆયોજન આંતરીક—૮ પાઠ– સંઘવાયાયામ–૧, જિમ્નાસ્ટીકસ–૧, ખેલકૂલ–૧, સત્ર–૧,૨,૩ માં સમાવેશ કરેલ કોઈપણ રમતોમાંથી–પ બાણ–૨, પાઠ–સંઘવ્યાયામ/જિમ્નાસ્ટીકસ/ખેલકૂદમાંથી–૧, રમતોમાંથી–૧	40	40	100	4.0
2	શારીરિક શિક્ષણના વર્ગખંડ પાઠઆયોજન આંતરીક—૪, પાઠ—સંઘવ્યાયામ/જિમ્નાસ્ટીકસ/ખેલકૂદમાંથી—૧, અભ્યાસક્રમ પ્રમાણે, રમતોમાંથી—૩ અભ્યાસક્રમ પ્રમાણે, પાસ્ત—૧ પાઠ, રમતોમાંથી—૧ આ પાઠનું માધ્યમિક નિવાસી શાળાઓમાં અંદાજીત પ જાન્યુ. થી ૨૬ જાન્યુ. વચ્ચે આયોજન કરવું.	20	30	50	2.0
	and hard	60 22	-90	150	6.0
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	Part A	:Theoret	ical Cours	e		
Course Code	Title of the Papers	Total Hours	Credit	Internal Marks	External Marks	Total Marks
		Core Co	urse			
MPCC- 101	Research Process in Physical Education & Sports Sciences	3	3	30	70	100
MPCC- 102	Physiology of Exercise.	3	3	30	70	100
MPCC- 103	Yogic Sciences	3	3	30	70	100
	Electi	ive Cours	e (Anyon	e)		
MPEC- 101	Tests, Measurement and Evaluation in Physical Education	3	3	30	70	100
MPEC- 102	Sports Technology					
	Part-	-B Practi	cal Cours	e		
MPPC- 101	Track and Field 1. Running Events *2. Gymnastics *3. Swimming. (*Any onc)	6	3	30	70	100
MPPC- 102	Laboratory Practical Sports Psychology, Physiology of Exercise, Sports Biomechanics and Kinesiology (Two practicals for each subject)	6	3	30	70	100
MPPC- 103	Yoga *Aerobics/ Self Defence Techniques-Martial Arts, Tack- won-do/ Shooting/ Archesy - (*Any One activity + Yoga)	6	3	30	70	100
MPPC- 104	Adventure Activities/ Mass demonstration Activities-	6	3	30	70	100
	Total	36	24	240	560	800

Semester - I

<u>Note</u>: Total number of hours required to earn 3 credits for each theory course are 51-60 hours per semester whereas 102-120 hours for each practicum course.

Times

Course	Title of the Papers	Theoreti Total		Internal	External	Total
Code	Title of the Labers	Hours	creun	Marks	Marks	Marks
		Core Co	urse			
MPCC- 201	Applied Statistics in Physical Education & Sports	3	3	30	70	100
MPCC- 202	Sports Biomechanics & Kinesiology	3	3	30	70	100
MPCC- 203	Athletic Care and Rehabilitation	3	3	30	70	100
	Electi	ve Cours	e (Anyon	e)		
MPEC- 201	Sports Journalism and Mass Media			20	- mm	100
MPEC- 202	Sports Management and Curriculum Designs in Physical Education	3	3	30	70	100
		B Practic	cal Cours	e		
MPPC- 201	Track and Field II: Jumping events + Hurdles *Gymnastics/ *Swimming (*any one)	6	3	30	70	100
MPPC- 202	Games Specialization- Kabaddi, Kho-Kho, Badminton/ Table Tennis/ Tennis/ Squash/ Baseball/ Volleyball/ Basketball/ Cricket/ football/ Handball/ Hockey/ Netball/ Softball (Any two games.)	6	3	30	70.	100
MPPC- 203	Teaching Lessons of Indigenous Activities and Sports- 5 Lessons(4 Internal & 1 External)	6	3	30	70	100
MPPC- 204	Class room Teaching Lessons on theory of different Sports & Games-5 Lessons (4 Internal & 1 External)	6	3	30	70	100
	Total	36	24	240	560	800

Semester - II

Note: Total number of hours required to earn 3 credits for each theory course are 51-60 hours per semester whereas 102-120 hours for each practicum course.

Times

	Part A:	Theoret	ical Cour	5C		
Course Code	Title of the Papers	Total Hours	Credit	Internal Marks	External Marks	Total Marks
	··	Core Co	ourse		1. 1. 1. 1. 1	
MPCC- 301	Scientific Principles of Sports Training	3	3	30	70	100
MPCC- 302	Sports Medicine	3	3)	30	70	100
MPCC- 303	Health Education and Sports Nutrition	3	3.0	30	70	100
	Electi	ve Cour:	se (Anyon	e)		
MPEC- 301	Sports Engineering	3	3	30	70	100
MPEC- 302	Physical Fitness and Wellness	-				
	Part-	B Practi	ical Cours	e		
MPPC- 301	Track and Field III: Throwing Events +introduction of Heptathion event. *Gymnastics/*Swimming (*Any One)	6	3	30	70	100
MPPC- 302	Games Specialization-III Boxing/ Fencing/ Judo/ Karate/ Wrestling/ Wushu (Any Two)	6	3	30	70	100
MPPC- 303	Coaching Lessons of Track and Field/ Gymnastics/ Swimming - 5 Lessons (4 Internal & 1 External)	6	3	30	70	100
MPPC- 304	Coaching Lessons of Game Specialization - 5 Lessons (4 Internal & 1 External)	6	3	30	70	100
	Total	36	24	240	560	800

Semester - III

<u>Note:</u> Total number of hours required to earn 3 credits for each theory course are 51-60 hours per semester whereas 102-120 hours for each practicum course.



Times

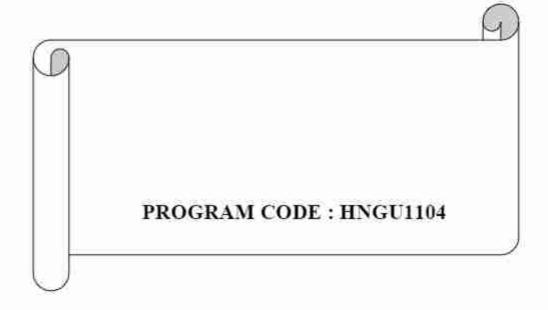
	Part A	: Theoreti	cal Cours	se		
Course Code	Title of the Papers	Total Hours	Credit	Internal Marks	External Marks	Total Marks
		Core Co	urse		····	
MPCC- 401	Information & Communication Technology (ICT) in Physical Education	3	3	30	70	100
MPCC- 402	Sports Psychology	3	3	30	70	100
MPCC- 403	Dissertation	3	3	30	70	100
	Elect	ive Cours	e (Anyon	c)		
MPEC- 401	Value and Environmental Education	3	3	30	70	100
MPEC- 402	Education Technology in Physical Education					
		-B Practic	cal Cours	e		
MPPC- 401	Track and Field Introduction of Decathlon event *Gymnastics * Swimming Practical Skill (*any one)	6	3	30	70	100
MPPC- 402	Games Specialization- Practical skills (any two)	6	3	30	70	100
MPPC- 403	Officiating Lessons of Track and Field/ Gymnastic/ Swimming - 5 Lessons (4 Internal & 1 External)	6	3	30	70	100
MPPC- 404	Officiating Lessons of Game Specializations - 5 Lessons (4 Internal & 1 External)	6	3.	30	70	100
	Total	36	24	240	560	800
	STREETS I	144	96	960	2240	3200

Semester - IV

Note: Total number of hours required to earn 3 credits for each theory course are 51-60 hours per semester whereas 102-120 hours for each practicum course.



Times





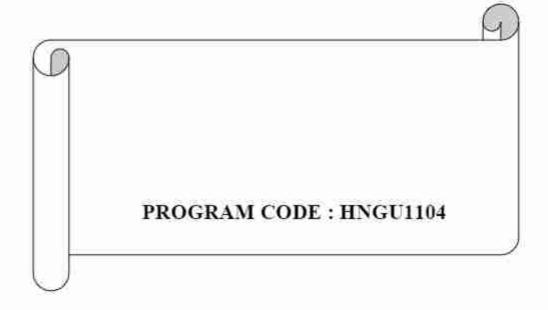
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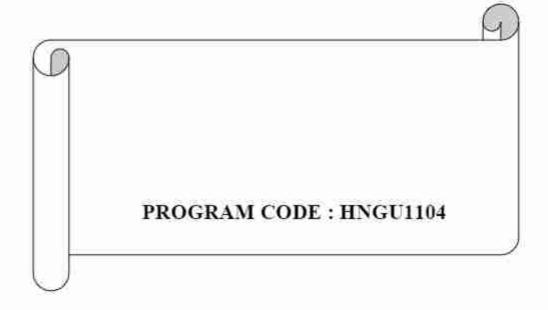
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						Feaching	and E	xamina	tion Sc	theme							
Programme	Bachelor of Architecture																
Semester	1(ONE)																
Effective fro	om Academic Year	2020-2	21				Ef	fective 1	for the l	oatch ad	lmitted in	June 2020					_
			Teaching scheme (Mat											larks)			
Subject				Cred	it	l	Hours (per week)						Theory		P	ractical	
Code	Subject Title	Lectu	Lecture (L)		ical (P)	TOTAL	Lectu	ire (L)	Practical (P)		TOTAL	Uni			www	Uni	1100
		L	TU	p	TW	(L + P)	L.	TU	p	TW	(L + P)	Internal	Exam	Total	Internal	Exam	Tota
ARCH-101	Architectural Design Studio I			2	3	5			3	3	6				50	50	100
ARCH-102	Basic Design and Visual Arts I			2	3	5			3	3	6				50	50	100
ARCH-103	Architecture Graphics Techniques I	2		Ĩ	2	5	2		2	2	6		-		50	50	100
ARCH-104	Building Materials and Construction I	2		2	Т	5	2		3	Т	6				50	50	100
ARCH-105	History of Architecture and Culture I	2				2	2				2	50	50	100			
ARCH-106	Structure I	2				2	2				2	50	50	100			
ARCH-107	Art Studio			ġ.	jt.	2			2	4	3				50	50	100
ARCH-108	Communicative English	2				2	2				2	50	50	100			
	Aii	10	0	- 8	10	28	10	Ö	13	10	33			300			500
		Total Credit 28 Total Teaching Hrs 33 Total Marks 800															

11. (Lecture) = 1 Hour, 1 TU (Tutorial) = 1 Hour,

1 P (Practical) = 2 Hour for Lab/Workshop/Studio Exercises, 1 TW (Term Work) = 1 Hour 1 P (Practical) = 1.5 Hour for Design Studios / Construction Studio



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						Feaching	and E	xamina	tion Se	:heme	<u>.</u>						
Programm	e Bachelor of Architecture																
Semester	II (TWO)	10															
Effective fr	rom Academic Year	2020-2	21	Į					for the	batch a	dmitted in	June 2020					
						Teaching	g schem	ic .					Exam	ination s	cheme (Ma	rks)	
Subject	Subject Title			Cred	it		Hours (per week)						Theory		1	ractical	
Code	Subject rule	Lectu	are (L)	Pract	ical (P)	TOTAL	Lects	ire (L)	Practi	cal (P)	TOTAL	Internal	Umi.	Total	Internal	Uni.	Tota
		1.	°ΠJ	P	TW	(L + P)	L	TU	P	TW	(1. + P)	interimi	Exam	1000	imeran	Esam	1.010
ARCH-201	Architectural Design Studio II	3		2	2	5	ž.		з	2	6				50	50	100
ARCH-202	Basic Design and Visual Arts II			2	2	4			4	2	6		l i.		50	50	100
ARCH-203	Architecture Graphics Techniques II	2		3	2	5	2		2	2	6				50	50	100
ARCH-204	Building Materials and Construction II	2		2		4	2		4		6				50	50	100
ARCH-205	History of Architecture and Culture II	2				2	Z				2	50	50	100			
ARCH-206	Structure II	2				2	Z				2	50	50	100			
ARCH-207	Theory of Architecture	2				2	2				2	50	50	100			
ARCH-208	Model Making and Architectural Delineation			2		2			3		3				50	50	100
ARCH-200	Related Study Programme I		1	2		2									100		100
		11	0	L.U.	6	28	11	.0		6	33			300			600
				Tota	I Credit	28		Tota	Teach	ing Hrs	33	l .	Tota	I Marks	900		

1 L (Lecture) = 1 Hour, 1 TU (Tutorial) = 1 Hour,

1 P (Practical) = 2 Hour for Lab/Workshop/Studio Exercises, 1 TW (Term Work) = 1 Hour

1 P (Practical) = 1.5 Hour for Design Studios / Construction Studio



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						Feaching :											
Programm	e Bachelor of Architecture	/				r cacining	alitu 1.7	allillia	aton Sc	neme							
Semester	III (THREE)																
Effective fr	om Academic Year	2020-2	1				Ef	ective i	for the l	batch a	imitted in	June 2020					
						Teaching	schem	e					Examination scheme (Marks)				
Subject	Subject Title			Cred				the second second second	urs (per	and the second			Theory		P	ractical	1
Code	Subject rule	-	are (L)		ical (P)	TOTAL		re (L)		cal (P)	TOTAL	Internal	Uni.	Total	Internal	Uni.	Total
		L	TU	P	TW	(L + P)	L	TU	P	TW	(L + P)		Exam			Exam	
ARCH-301	Architectural Design Studio III	≥2 ≷		4	2	8	2		6	2	10		50 50				
ARCH-302	Building Materials and Construction III	2		- 2	2	б	2		2	2	6				50	50	100
ARCH-303	History of Architecture I	2				2	2				2	50	50	100			
ARCH-304	Structure III	2				2	2				2	50	50	100		-	
ARCH-305	Building Services I	2				2	2				2	50	50	100		-	
ARCH-306	Site Survey & Levelling	1		2		3	\$/;		ž		3	50	50	100			
ARCH-307	Climate and Built Environment	2	1			3	2	1			3	50	50 50 100				
ARCH-308	Vemacular Architecture	2				2	2				2	50	50	100			
ARCH-309	Professional Elective-I			1	Ŧ	2			2	1	3				50	50	100
	N	15	1	9	<u>\$</u> _	30	15	1	12	5	33			600			300
				Tota	I Credit	t 30		Tota	l Teach	ing Hrs	33		Tota	l Marks	900		10

1 L (Lecture) = 1 Hour, 1 TU (Tutorial) = 1 Hour,

1 P (Practical) = 2 Hour for Lab/Workshop/Studio Exercises, 1 TW (Term Work) = 1 Hours

1 P (Practical) = 1.5 Hour for Design Studios / Construction Studio



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1				F	Iemch	andrach	arya N	orth (Gujara	at Univ	ersity								
						Instit	tute of	Arch	itectur	'e									
	11				į.	Feaching	and E	xamina	tion So	cheme									
Programm	e Bachelor of Architecture																		
Semester	IV (FOUR)																		
Effective fr	om Academic Year	2020-2	1				Ef	fective	for the l	batch ac	imitted in	June 2020							
						Teaching	g schem							ination s	cheme (Ma				
Subject	Subject Title			Cred	it			Hot	ars (per	week)			Theory Practical						
Code	Subject The	Lectu	ne (L)	Practical (P) TO		TOTAL	Lecture (L)		Practi	ical (P)	TOTAL	Internal	Utii.	Total	Internal	Uni	Total		
		L	TU	P	TW	(L + P)	L	TU	P	TW	(L + P)	memai	Exam	10141	memai	Exam	+ Vidi		
ARCH-401	Architectural Design Studio IV	1		6	1	5	1		10	1	12				50	50	100		
ARCH-402	Building Materials and Construction IV	2		2	2	6	Z		2	2	6				50	50	100		
ARCH-403	History of Architecture II	2				2	2				2	50	50	100					
ARCH-404	Structure IV	2				2	ો				2	50	50	100					
ARCH-405	Building Services II	2				2	2				2	50	50	100					
ARCH-406	Site planning and management	3				3	3				3	50	50	100					
ARCH-407	Environmental Science for Architecture	3				3	3				3	50	50	100					
ARCH-408	Professional Elective-II			1	1	2			2	1	3		50 50						
ARCH-400	Related Study Programme II			2		2									100		100		
	ONREAT THE LEVE	15	0	11	4	30	15	0	14	4	33			500			400		
				Tota	Credi	30		Tota	l Teach	ing Hrs	33		Tota	l Marks	900				

1 L (Lecture) = 1 Hour, 1 TU (Tutorial) = 1 Hour,

1 P (Practical) = 2 Hour for Lab/Workshop/Studio Exercises, 1 TW (Term Work) = 1 Hour

1 P (Practical) = 1.5 Hour for Design Studios / Construction Studio



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				4	Hemch	andraci	arya	North	Gujar	at Uni	versity							
					141294400404	and the second	a has street. They a galaxy		itectu	and a second second second second	•							
						Teaching	and E	xamin	ation S	cheme	B ()							
Programme	Bachelor of Architecture																	
Semester	V (FIVE)			-														
Effective fro	om Academic Year	2022-2	3				Ef	fective f	or the b	atch ad	lmitted in	June 2020	-21					
		11				Teaching	g schem	e				Examination scheme (Marks)						
Subject	Subject Title	0		Cred	it	N		Hou	urs (per	week)		Theory			P	Practical		
Code	Code Subject The		cture (L) Pract		ical (P)	TOTAL	Lectu	are (L)	Practic	cal (P)	TOTAL	Internal	Uni	Total	Internal	Uni	Total	
		L	TU	P	TW	(L + P)	Ľ	TU	P	TW	(L + P)	2 20051.081 0	Exam	1 V COS	1111011161	Exam	4 20441	
ARCH-501	Architectural Design Studio V	2	2	3	2	10	2	2	б	2	12				50	50	100	
ARCH-502	Building Materials and Construction V	2		2	2	6	2		2	2	б	50	50	100				
ARCH-503	History of Architecture III	2				2	2				2	50	50	100				
ARCH-504	Structural Design and Systems I	2				2	2				2	50	50	100	· · · · · · · · · · · · · · · · · · ·			
ARCH-505	Advance Building Services	2				3	2				2	50	50	100				
ARCH-506	Landscape Design	1			1	2	1			1	2	50	50	100				
ARCH-507	Housing and Community Planning	2				3					2	50	50	100				
ARCH-508	*Professional Elective III			1	1	2			2	1	3				50	50	100	
		13	2	1.17	6	28	11	2	10	б	31			600			200	
		12		Tota	l Credit	28		Tota	l Teachi	ing Hrs	31		Tota	d Marks		800		

- 1 L (Lecture) = 1 Hour, 1 TU (Tutorial) = 1 Hour,
- 1 P (Practical) = 2 Hour for Lab Workshop/Studio Exercises, 1 TW (Term Work) = 1 Hour
- 1 P (Practical) = 1.5 Hour for Design Studios / Construction Studio
- *Professional Elective III= (Traffic Awareness + Any one from List)



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I/c. Registrar Hemchandracharya North Gujarat University PATAN

				4	Hemch	andrach	arya	North	Gujar	at Uni	versity						
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	1.11					Teaching	and E	xamin	ation S	Scheme	80						
Programme	Bachelor of Architecture																
Semester	VI (SIX)																
Effective fro	om Academic Year	2022-2	3				Ef	fective f	or the b	oatch ad	lmitted in	June 2020	-21				
						Teaching	schem	e					Exam	ination s	cheme (Ma	rks)	
Subject	Subject Title	<u>(</u>)		Cred	it			Ho	urs (per	week)			Theory		F	ractical	
Code	Subject The	Lectu	ure (L)	Pract	ical (P)	TOTAL	Lectu	ure (L)	Practi	cal (P)	TOTAL	Internal	Uni.	Total	Internal	Uni	Total
		L	TU	P	TW	(L + P)	E	TU	P	TW	(L + P)	PRODUCTION (Exam		momen	Exam	4 5041
ARCH-601	Architectural Design Studio VI	2	2	6	à	12	2	2	9	2	15				50	50	100
ARCH-602	Building Materials and Construction VI	2		2	2	6	2		2	2	б	50	50	100			
ARCH-603	History of Architecture IV	2				2	2				2	50	50	100			
ARCH-604	Structural Design and Systems II	2				2	2				2	50	50	100			
ARCH-605	Estimation, Costing & Specification	2				3	2				2	50	50	100			
ARCH-606	Professional Practice I	1			1	2	1			1	2	50	50	100			
ARCH-607	Professional Elective IV			1	1	2			2	1	3				50	50	100
	14	11	2	9	6	28	11	2	13	6	32			500			200
				Tota	l Credit	28		Tota	l Teach	ing Hrs	32		Tota	Marks	700		

- 1 L (Lecture) = 1 Hour, 1 TU (Tutorial) = 1 Hour,
- 1 P (Practical) = 2 Hour for Lab/Workshop/Studio Exercises, 1 TW (Term Work) = 1 Hour
- 1 P (Practical) = 1.5 Hour for Design Studios / Construction Studio



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Semester 1

Courses 101- 105 (105 is interdisciplinary paper) (Total Credits: 5x4=20)

Paper: 101	Literature in English Language (1450-1660) Poetry
Paper: 102	Literature in English Language (1450-1660) Prose and Plays
Paper: 103	Classical and Renaissance Literary Criticism
Paper: 104	Indian Writing in English
Paper: 105 (A)	Adaptation Studies: Indian Subcontinent
	OR
Paper: 105 (B)	Classics (Greek and Roman) in Translation
	OR
Paper: 105 (C)	Literature by Indian Diaspora
 A second s	

Semester 2

Courses 201-205 (205 is interdisciplinary paper) (Total Credits: 5x4=20)

Paper: 201	Literature in English Language (1660- 1798)
Paper: 202	Literature in English Language (1760-1830)
Paper: 203	Neo Classical, Romantic and Victorian Literary Criticism
Paper: 204	English Language Teaching
Paper: 205 (A)	Adaptation Studies: American
	OR
Paper: 205 (B)	Classics (Russian) in Translation
e 2.0	OR
Paper: 205 (C)	Noble and Booker Prize Winning Texts

Semester 3

Courses 301-305 (305 is interdisciplinary paper) (Total Credits: 5x4=20)

Literature in English Language (1830-1914)
Literature in English Language (1900 -1950)
Contemporary Literary Criticism
Special Author (1): Translation: A Case Study of Tagore
Humanism and Literature
OR
American Literature
OR
Research Methodology

Semester 4

Courses 401-405 (405 is interdisciplinary paper) (Total Credits: 5x4=20)

Paper: 401	Literature in English Language (1950 to the Present)
Paper: 402	Special Author (1): William Shakespeare
Paper: 403	African, Caribbean and American Literature
Paper: 404	Indian Texts in Translation
Paper: 405 (A)	Philosophy and Literature
- 1924 	OR
Paper: 405 (B)	Classics (French and German) in Translation
H 2.17	OR
Paper: 405 (C)	Biographies and Autobiographies

Note:

All the five courses in each semester are core compulsory papers. Courses 0105, 0205, 0305 and 0405 are interdisciplinary papers.

SCHEME OF EXAMINATION

There will be a written examination of students at the end of each semester. Each paper will be of three hours' duration, and the maximum marks for each paper will be 70. Continuous internal assessment for each course will be for 30 marks as per the following scheme:

- (a) Written test: 15 marks
- (b) Seminar Presentation: 10 marks (for the paper presentation by the student in the departmental seminar in each semester.)
- (c) Overall Discipline, Attendance and Assignment: 05 Marks

Note: University examination would comprise of 70 marks. The format of the question paper will be as follows:

Format of the semester end examination question paper would be:

٠	Total Marks	70
٠	Total Questions to be asked (Each	05
	With internal option)	
•	One full length question from each unit	14
•	Fifth Question would be of Short notes [One from each unit, out of which students	14
	are expected to write two short notes,(each of 7 marks)]	

M.A.: SANSKRIT SYLLABUS

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SEMESTER	COURSE CODE	COURSE NAME [NAME OF PAPER]	Question Style	Internai Marks	External Marks	Total Course Credit
1	C.C101	પ્રશિષ્ટ સંસ્કૃતનાટ્યકૃતિઓનો અભ્યાસ अभिज्ञानशा कुन्त ल(કાલિદાસ)	5	30	70	4
1	C.C102	વેદાંગ સાહિત્યસ્વરૂપ નિરૂક્ત અધ્યાપ -૧,૨, ૭નો અભ્યાસ	5	30	70	4
1	C.C103	રામાયણ, મહાભારત અને પુરાણ સાહિત્યનો ગ્રન્થ પરિયય	5	30	70	4
1	C.C104	વેદિક સાહિત્ય (ઉપનિયદો) - ईશ, कેનઉપનિયદો	5	30	70	4
1	I.D105(A)	अलंगारशास्त-भरत नाट्यनाख्त (प्रथम, द्वितीय तथा वष्ठ अध्याय)	5	30	70	4
1	I.D105(B)	વર્શનશાસ્ત્ર-પતંચ્લિનાં યોગસૂત્રી -સમાધિપાદ અને સાધનપાદ	5	30	70	4
1	I.D105(C)	पुराणशास्त्र-ભાગવતપુરાણ-સ્કંદ(પૂર્વાર્થ-અધ્યાવ અને૪૯)	5	30	70	4
2	C.C201	पश्चिष्ट संस्कृतनाष्ट्रवकृति- उत्तरराम करित	5	30	70	4
2	C.C207	वेडिम साखित्य (अभानेभडा-जेक्तिरीयखभानेभड	5	30	70	4
2	C.C208	(1)महाभाष्य (परप्रादिनक) (2) सिद्धांसकी पुरी	(5)	30	70	100
2	C:C204	अर्थसंस्युह - जीवर्ग्सी भारकर	5	- 30	70	41
2	1.0205(A)	असंस्वरणाद्यः इण्डपन्न (प्रवन्न तथा दिसीम प्रकाल)	5	30	.70	.4.1
2	I D205(B)	दर्शलधाखन्वेदान्तः वहायूत्र-शाङ्करभाष्य (1.4)	3	30 .	70	d
2	1.D205(C)	परगणगढन नार्य्यसम् नियन जांश-अध्यापन यीषच वर यो	10.50-3	30	70	al a
T ÉRE		ચેર, સ્પારત કરતે, તેને 33 મીડ જેમ મથ, પર, મંટ કર	hict		and and	新設
3	C.C301	भय साहित्य- किरातार्जुनीय (प्रथम सगी) - ९ थी २भ व्य्येक जिल्हुपालयध (प्रथम सगी) - १ थी २भ व्य्योक नैषधीयचरित (प्रथम सगी) - १ थी २५ व्य्योक	5	30	70	24.
3	C.C302	देहित साग्रित्स- बुहदारण्यक उपनिषद (अध्याय 1 थी 3)	5	30	70	4
3	C.C303	(1) वाक्यपदीय (ब्रह्मकांड) (2) पाणिनीयज्ञिक्षा	5	30	70	4
3	C.C304	तर्कभाषा- केशवमिश्र	5	30	70	4
3	I.D305(A)	अलंकारशास्त्र-ध्वन्दालोक (प्रभम उद्योत) वक्रोत्तिजीवितम् (प्रथम उन्मेष)	S	30	70	4
3	1.D305(8)	दर्शनशास्त्र-त्याप-वैशेषिकः त्यायसिद्धांतमुक्तावली (अनुमानखण्ड)	5	30	70	4
3	1.D305(C)	પુરાળવાજ્યઃ મન્સ્પપુરાણ નિયત અંશ અધ્યાયન્યથી૧૦,૧૮૬ થી ૧૯૪	S	30	70	4
利用	CC 401	तपत्र साहित्यः हणचरितम् ('५ न मोडल्ड्यासःः)	5	30	70,	4
4	00'C-402	अनुबम्बरी (शुक्तनाशोभदेश) चेतिः आधि-प्यानीन्धतः सुप्तो अत्त्रण्याना, प्र⊒्याह	5	30	70	4
4	C.C403	ADDA THANKING AND ADDRESS IN A 11	5	30	70	4
4	€.C404	आदण्यनु नवयादयः - अपिस्यम् - १ मुरासिपिः, अभिलेखः, सिलासेम्य	s	30	70	4
			5	30	70	4
4	1.D.=405(A)	अलंगतरआक्षमात्मामीमांसा (1 स 5 अध्याम)	18	1.5.3	1	12.00
4	1,DI-405(B)	वर्शनशास्त्र-गर्वदर्शनसंग्रहः शीमण्माधवानारणकः-जैनमत, जीव्यमत	5	30	70	-4
4	1.D405(C)	पुरागणास्त्र अन्तिप्रथम् अत् भी न प	5	30	-70	4

<u>નોંધ:</u> (૧) રેગ્યુલર અને એક્સટર્નલ વિદ્યાર્થીઓ માટે આ જ અલ્માસક્રમ સમાન રહેશે.

(૨) રેગ્યુલર વિદ્યાર્થી માટે કૉલેજમાંથી લેવાની પરીક્ષાના દરેક પેપરની આંતરિક પરીક્ષાના ૩૦ ગુણમાંથી, આંતરિક પરીક્ષાના ૧૫ ગુણ રહેશે

(૩) સેમિનારના ૧૦ ગુણ ગણાઈ, વિષય અંતર્ગત દસ મિનિટ વક્તવ્ય આપવાનું સોઈ.

(૪) અસાઇન્મેન્ટના ૫ બુણ રહેશે. વિદ્યાર્થીએ ફાળવેલા વિષય પર પંદર પૂકનું લખાણ આપવાનું રહેશે.

M.A.: SANSKRIT SYLLABUS

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SEMESTER	COURSE CODE	COURSE NAME [NAME OF PAPER]	Question Style	Internai Marks	External Marks	Total Course Credit
1	C.C101	પ્રશિષ્ટ સંસ્કૃતનાટ્યકૃતિઓનો અભ્યાસ अभिज्ञानशाकुन्तल(કાલિદાસ)	5	30	70	4
1	C.C102	વેદાંગ સાહિત્યસ્વરૂપ નિરૂક્ત અધ્યાપ -૧,૨, ૭નો અભ્યાસ	5	30	70	4
1	C.C103	રામાયણ, મહાભારત અને પુરાણ સાહિત્યનો ગ્રન્થ પરિયય	5	30	70	4
1	C.C104	વેદિક સાહિત્ય (ઉપનિયદો) - ईશ, कેનઉપનિયદો	5	30	70	4
1	I.D105(A)	अलंगारशास्त-भरत नाट्यनाख्त (प्रथम, द्वितीय तथा वष्ठ अध्याय)	5	30	70	4
1	I.D105(B)	વર્શનશાસ્ત્ર-પતંચ્લિનાં યોગસૂત્રી -સમાધિપાદ અને સાધનપાદ	5	30	70	4
1	I.D105(C)	पुराणशास्त्र-ભાગવતપુરાણ-સ્કંદ(પૂર્વાર્થ-અધ્યાદ અને૪૯)	5	30	70	4
2	C.C201	पश्चिष्ट संस्कृतनाष्ट्रवकृति- उत्तरराम करित	5	30	70	4
2	C.C207	वेडिम साखित्य (अभानेभट)- नेक्तिरीयखभानभट	5	30	70	4
2	C.C208	(1)महाभाष्य (परप्रादिनक) (2) सिद्धांसकी पुरी	(5)	30	70	100
2	C:C204	अर्थसंस्युह - जीवर्ग्सी भारकर	5	- 30	70	41
2	1.0205(A)	असंस्वरणाद्यः इण्डपन्न (प्रवन्न तथा दिसीम प्रकाल)	5	30	.70	.4.1
2	I D205(B)	दर्शलधाखन्वेदान्तः वहायूत्र-शाङ्करभाष्य (1.4)	3	30 .	70	d
2	1.D205(C)	परगणगढन नार्ययुराज- नियन जांश-अध्यापन, यीवच वरु यो	10.50-3	30	70	al a
T ÉRE		ચેર, સ્પારત કરતે, તેને 33 મીડ જેમ મથ, પર, મંટ કર	hict		and and	新設
3	C.C301	भय साहित्य- किरातार्जुनीय (प्रथम सगी) - ९ थी २भ व्य्येक जिल्हुपालयध (प्रथम सगी) - १ थी २भ व्य्योक नैषधीयचरित (प्रथम सगी) - १ थी २५ व्य्योक	5	30	70	24.
3	C.C302	देहित साग्रित्स- बुहदारण्यक उपनिषद (अध्याय 1 थी 3)	5	-30	70	4
3	C.C303	(1) वाक्यपदीय (ब्रह्मकांड) (2) पाणिनीयज्ञिक्षा	5	30	70	4
3	C.C304	तर्कभाषा- केशवमिश्र	5	30	70	4
3	I.D305(A)	अलंकारशास्त्र-ध्वन्दालोक (प्रभम उद्योत) वक्रोत्तिजीवितम् (प्रथम उन्मेष)	S	30	70	4
3	1.D305(8)	दर्शनशास्त्र-त्याप-वैशेषिकः त्यायसिद्धांतमुक्तावली (अनुमानखण्ड)	5	30	70	4
3	1.D305(C)	પુરાળવાજ્યઃ મન્સ્પપુરાણ નિયત અંશ અધ્યાયન્યથી૧૦,૧૮૬ થી ૧૯૪	S	30	70	4
利用	CC.401	तपत्र साहित्यः हणचरितम् ('५ न मोडल्ड्यासःः)	5	30	70,	4
4	00'C-402	अनुबम्बरी (शुक्तनाशोभदेश) चेतिः आधि-प्यानीन्धतः सुप्तो अत्त्रण्याना, प्र⊒्याह	5	30	70	4
4	C.C403	ADDA THANKING AND ADDRESS IN A 11	5	30	70	4
4	€.C404	आदण्यनु नवयादयः - अपिस्यम् - १ मुरासिपिः, अभिलेखः, सिलासेम्य	s	30	70	4
			5	30	70	4
4	1.D.=405(A)	अलंगतरआक्षमात्मामीमांसा (1 स 5 अध्याम)	18	1.5.3	1	12.00
4	1,DI-405(B)	वर्शनशास्त्र-गर्वदर्शनसंग्रहः शीमण्माधवानारणकः-जैनमत, जीव्यमत	5	30	70	-4
4	1.D405(C)	पुरागणास्त्र अन्तिप्रथम् अत् भी न प	5	30	-70	4

<u>નોંધ:</u> (૧) રેગ્યુલર અને એક્સટર્નલ વિદ્યાર્થીઓ માટે આ જ અલ્માસક્રમ સમાન રહેશે.

(૨) રેગ્યુલર વિદ્યાર્થી માટે કૉલેજમાંથી લેવાની પરીક્ષાના દરેક પેપરની આંતરિક પરીક્ષાના ૩૦ ગુણમાંથી, આંતરિક પરીક્ષાના ૧૫ ગુણ રહેશે

(૩) સેમિનારના ૧૦ ગુણ ગણાઈ, વિષય અંતર્ગત દસ મિનિટ વક્તવ્ય આપવાનું સોઈ.

(૪) અસાઇન્મેન્ટના ૫ બુણ રહેશે. વિદ્યાર્થીએ ફાળવેલા વિષય પર પંદર પૂકનું લખાણ આપવાનું રહેશે.

M.A.: SANSKRIT SYLLABUS

ę.,

SEMESTER	COURSE CODE	COURSE NAME [NAME OF PAPER]	Question Style	Internai Marks	External Marks	Total Course Credit
1	C.C101	પ્રશિષ્ટ સંસ્કૃતનાટ્યકૃતિઓનો અભ્યાસ अभिज्ञानशाकुन्तल(કાલિદાસ)	5	30	70	4
1	C.C102	વેદાંગ સાહિત્યસ્વરૂપ નિરૂક્ત અધ્યાપ -૧,૨, ૭નો અભ્યાસ	5	30	70	4
1	C.C103	રામાયણ, મહાભારત અને પુરાણ સાહિત્યનો ગ્રન્થ પરિયય	5	30	70	4
1	C.C104	વેદિક સાહિત્ય (ઉપનિયદો) - ईશ, कેનઉપનિયદો	5	30	70	4
1	I.D105(A)	अलंगारशास्त-भरत नाट्यनाख्त (प्रथम, द्वितीय तथा वष्ठ अध्याय)	5	30	70	4
1	I.D105(B)	વર્શનશાસ્ત્ર-પતંચ્લિનાં યોગસૂત્રી -સમાધિપાદ અને સાધનપાદ	5	30	70	4
1	I.D105(C)	पुराणशास्त्र-ભાગવતપુરાણ-સ્કંદ(પૂર્વાર્થ-અધ્યાદ અને૪૯)	5	30	70	4
2	C.C201	पश्चिष्ट संस्कृतनाष्ट्रवकृति- उत्तरराम करित	5	30	70	4
2	C.C207	वेडिम साखित्य (अभानेभट)- नेक्तिरीयखभानभट	5	30	70	4
2	C.C208	(1)महाभाष्य (परप्रादिनक) (2) सिद्धांसकी पुरी	(5)	30	70	100
2	C:C204	अर्थसंस्युह - जीवर्ग्सी भारकर	5	- 30	70	41
2	1.0205(A)	असंस्वरणाद्यः इण्डपन्न (प्रवन्न तथा दिसीम प्रकाल)	5	30	.70	.4.1
2	I D205(B)	दर्शलधाखन्तेदान्तः वहायूत्र-शाङ्करभाष्य (1.4)	3	30 .	70	d
2	1.D205(C)	परगणगढन नार्य्याल- नियन जांश-अध्यापन योषय वरु यो	10.50-3	30	70	al a
T ÉRE		ચેર, સ્પારત કરતે, તેને 33 મીટન સ્પાણપ, પર, મંદરવ	hict		and and	新設
3	C.C301	भय साहित्य- किरातार्जुनीय (प्रथम सगी) - ९ थी २भ व्य्येक जिल्हुपालयध (प्रथम सगी) - १ थी २भ व्य्योक नैषधीयचरित (प्रथम सगी) - १ थी २५ व्य्योक	5	30	70	24.
3	C.C302	देहित साग्रित्स- बुहदारण्यक उपनिषद (अध्याय 1 थी 3)	5	-30	70	4
3	C.C303	(1) वाक्यपदीय (ब्रह्मकांड) (2) पाणिनीयज्ञिक्षा	5	30	70	4
3	C.C304	तर्कभाषा- केशवमिश्र	5	30	70	4
3	I.D305(A)	अलंकारशास्त्र-ध्वन्दालोक (प्रभम उद्योत) वक्रोत्तिजीवितम् (प्रथम उन्मेष)	S	30	70	4
3	1.D305(8)	दर्शनशास्त्र-त्याप-वैशेषिकः त्यायसिद्धांतमुक्तावली (अनुमानखण्ड)	5	30	70	4
3	1.D305(C)	પુરાળવાજ્યઃ મન્સ્પપુરાણ નિયત અંશ અધ્યાયન્યથી૧૦,૧૮૬ થી ૧૯૪	S	30	70	4
利用	CC 401	तपत्र साहित्यः हणचरितम् ('५ न मोडल्ड्यासःः)	5	30	70,	4
4	00'C-402	अनुबम्बरी (शुक्तनाशोभदेश) चेतिः आधि-प्यानीन्धतः सुप्तो अत्त्रण्याना, प्र⊒्याह	5	30	70	4
4	C.C403	ADDA THANKING AND ADDRESS IN A 11	5	30	70	4
4	€.C404	आदण्यनु नवयादयः - अपिस्यम् - १ मुरासिपिः, अभिलेखः, सिलासेम्य	s	30	70	4
			5	30	70	4
4	1.D.=405(A)	अलंगतरआक्षमात्मामीमांसा (1 स 5 अध्याम)	18	1.5.3	1	12.00
4	1,DI-405(B)	वर्शनशास्त्र-गर्वदर्शनसंग्रहः शीमण्माधवानारणकः-जैनमत, जीव्यमत	5	30	70	-4
4	1.D405(C)	पुरागणास्त्र अन्तिप्रथम् अत् भी न प	5	30	-70	4

<u>નોંધ:</u> (૧) રેગ્યુલર અને એક્સટર્નલ વિદ્યાર્થીઓ માટે આ જ અલ્માસક્રમ સમાન રહેશે.

(૨) રેગ્યુલર વિદ્યાર્થી માટે કૉલેજમાંથી લેવાની પરીક્ષાના દરેક પેપરની આંતરિક પરીક્ષાના ૩૦ ગુણમાંથી, આંતરિક પરીક્ષાના ૧૫ ગુણ રહેશે

(૩) સેમિનારના ૧૦ ગુણ ગણાઈ, વિષય અંતર્ગત દસ મિનિટ વક્તવ્ય આપવાનું સોઈ.

(૪) અસાઇન્મેન્ટના ૫ બુણ રહેશે. વિદ્યાર્થીએ ફાળવેલા વિષય પર પંદર પૂકનું લખાણ આપવાનું રહેશે.



3:

Hemchandracharya North Gujarat University

Accredited by NAAC with "A" Grade (CGPA 3.02)

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The Proposed New Structure for M.Sc. Course is based on choice Based Credit System (CBCS) which is in force from June – 2018

CBCS Course Pattern

- This programme is divided into four Semesters (Two Years). The duration of an academic year consists of two semesters, each of 15 weeks for teaching. The academic session in each semester will provide 90 teaching days. 24 credit each year X 4 semester= 96 credits master level.
- There will be three categories of courses / papers in this programme :
 - A. Four Compulsory Core theory courses with 4 credits each in each semester.
 - One Choice Based Elective Course (disciplinary / interdisciplinary) with 2 credits in each semester.
 - C. Two Practical's each of Three credits in each semesters .
 - D. In the IV Semester as above a,b,c or instead of above A,B, C ; a student can undertake Three core theory courses (12 - credits) and project / field work (12 - credits), OR Major Dissertation (24 - credits) OR as per decided by BOS.
 - Detailed Course Pattern for each Semester is given bellow.

M.Sc. : Semester – I PROGRAM : HNGU 2063

Course	Name of the Course	Exam. Duration (Hours)	Ext. Marks	Int. Marks	Total Marks	Teach, Hours Per week	Credit point
Paper - I	Core-I	2:30	70	30	100	4	4
Paper – II	Core-II	2:30	70	30	100	4	4
Paper – III	Core-III	2:30	70	30	100	4	4
Paper – IV	Core-IV	2:30	70	30	100	4	4
Practical : Paper – I	Pract-I	3/4	75	-	75	6	3
Practical : Paper – II	Pract-II	3/4	75		75	6	3
Elective Course (Any One) Disciplinary / Interdisciplinary		2:00	50	120 	50	2	2
TOTAL			480	120	600	30	Z4



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M.Sc. : Semester – II

Course	Name of the Course	Exam. Duration (Hours)	Ext. Marks	Int. Marks	Total Marks	Teach, Hours Per week	Credit point
Paper – V	Core-V	2:30	70	30	100	4	4
Paper - VI	Core-VI	2:30	70	30	100	4	:4
Paper – VII	Core-VII	2:30	70	30	100	4	4
Paper – VIII	Core-VIII	2:30	70	30	100	4	4
Practical : Paper – III	Pract-III	3/4	75	44	75	6	3
Practical : Paper – IV	Pract-IV	3/4	75	++	75	б	3
Elective Course (Any One) Disciplinary / Interdisciplinary		2:00	50	222 10	50	2	2
TOTAL			480	120	600	30	24

M.Sc. : Semester - III

Course	Name of the Course	Exam. Duration (Hours)	Ext. Marks	int. Marks	Total Marks	Teach, Hours Per week	Credit point
Paper ~ IX	Core-IX	2:30	70	30	100	4	4
Paper – X	Core-X	2:30	70	30	100	4	4
Paper – XI	Core-XI	2:30	70	30	100	4	4
Paper – XII	Core-XII	2:30	70	30	100	4	4
Practical : Paper – V	Pract-V	3/4	75	-	75	6	3
Practical : Paper – VI	Pract-VI	3/4	75		75	6	3
Elective Course (Any One) Disciplinary / Interdisciplinary	-	2 ; 00	50	**	50	2	2
TOTAL			480	120	600	30	24

M.Sc. : Semester - IV

Course	Name of the Course	Exam. Duration (Hours)	Ext. Marks	Int. Marks	Total Marks	Teach, Hours Per week	Credit point
Paper – XIII	Core-XIII	2:30	70	30	100	4	4
Paper – XIV	Core-XIV	2:30	70	30	100	4	4
Paper - XV	Core-XV	2:30	70	30	100	4	4
Paper – XVI	Core -XVI	2:30	70	30	100	4	4
Practical : Paper – VII	Pract-VII	3/4	75	**	75	6	3
Practical : Paper - VIII	Pract-VIII	3/4	75		75	6	3
Elective Course (Any One) Disciplinary / Interdisciplinary	13	2:00	50	4	50 2	2 mg	2
TOTAL	12/	TSS 1	480	120	600 I/c	F990istr.	a24
	lenni.	Partie	/		Hemch liorth Gu	andrad	harya

Course	Name of the Course	Exam. Duration (Hours)	Ext. Marks	Int. Marks	Total Marks	Teach, Hours Per week	Credit point
where we wanted	Core-XIII	2:30	70	30	100	4	4
Paper – XIII			70	30	100	4	4
Paper – XIV	Core-XIV	2:30	and the second s		100	4	4
Paper - XV	Core-XV	2:30	70	30	300	18	12
Major Dissertation			210	90			-
TOTAL			420	180	600	30	24

NOTE :

- 1. For 4 credit course: Each syllabus is of 4 Units having equal weightage.
- 2. For 2 credit course: Each syllabus is of 2 Units having equal weightage.
- There is no section in semester end examinations i.e. questions Paper is without sections.
- For question paper of 70 marks: Each Question paper contains 4 questions: Q-1 from unit-I of 18 marks, Q-2 from unit-II of 17 marks, Q-3 from unit-III of 18 marks and last Q-4 from unit-Iv of 17 marks from entire course.
- For question paper of 50 marks: Each Question paper contains 3 questions: Q-1 from unit-1 of 20 marks, Q-2 from unit-11 of 20 marks, and last Q-3 is of objective types having 10 marks from entire course.

[80S may add some specifications with reference to above structure.]



Time



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CBCS Course Pattern

- This programme is divided into four Semesters (Two Years). The duration of an academic year consists of two semesters, each of 15 weeks for teaching. The academic session in each semester will provide 90 teaching days. 24 credit each year X 4 semester= 96 credits master level.
- There will be three categories of courses / papers in this programme :
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 - C. Two Practical's each of Three credits in each semesters .
 - D. In the IV Semester as above a,b,c or instead of above A,B, C ; a student can undertake Three core theory courses (12 - credits) and project / field work (12 - credits), OR Major Dissertation (24 - credits) OR as per decided by BOS.

3.

Detailed Course Pattern for each Semester is given bellow.

M.Sc.	ş	Sem	ester -	I.
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Course	Name of the Course	Exam. Duration (Hours)	Ext. Marks	int. Marks	Total Marks	Teach, Hours Per week	Credit point
Paper - I	Core-1	2:30	70	30	100	4	4
Paper - II	Core-li	2:30	70	30	100	4	4
Paper – III	Core-III	2:30	70	30	100	4	4
Paper – IV	Core-IV	2:30	70	30	100	4	4
Practical : Paper – I	Pract-I	3/4	75	1	75	6	3
Practical : Paper – II	Pract-II	3/4	75	(ee)	75	6	3
Elective Course (Any One) Disciplinary / Interdisciplinary		2:00	50	100 - 100 -	50	2	2
TOTAL			480	120	600	30	24

M.Sc. : Semester – II

Course	Name of the Course	Exam. Duration (Hours)	Ext. Marks	Int. Marks	Total Marks	Teach, Hours Per week	Credit point
Paper – V	Core-V	2:30	70	30	100	4	4
Paper - VI	Core-VI	2:30	70	30	100	4	:4
Paper – VII	Core-VII	2:30	70	30	100	4	4
Paper – VIII	Core-VIII	2:30	70	30	100	4	4
Practical : Paper – III	Pract-III	3/4	75	44	75	6	3
Practical : Paper – IV	Pract-IV	3/4	75	++	75	б	3
Elective Course (Any One) Disciplinary / Interdisciplinary		2:00	50	222 10	50	2	2
TOTAL		T T T	480	120	600	30	24

M.Sc. : Semester - III

Course	Name of the Course	Exam. Duration (Hours)	Ext. Marks	int. Marks	Total Marks	Teach, Hours Per week	Credit point
Paper ~ IX	Core-IX	2:30	70	30	100	4	4
Paper – X	Core-X	2:30	70	30	100	4	4
Paper – XI	Core-XI	2:30	70	30	100	4	4
Paper – XII	Core-XII	2:30	70	30	100	4	4
Practical : Paper – V	Pract-V	3/4	75	-	75	6	3
Practical : Paper – VI	Pract-VI	3/4	75		75	6	3
Elective Course (Any One) Disciplinary / Interdisciplinary	-	2 ; 00	50	**	50	2	2
TOTAL			480	120	600	30	24

M.Sc. : Semester - IV

Course	Name of the Course	Exam. Duration (Hours)	Ext. Marks	int. Marks	Total Marks	Teach, Hours Per week	Credit point
Paper – XIII	Core-XIII	2:30	70	30	100	4	4
Paper – XIV	Core-XIV	2:30	70	30	100	4	4
Paper - XV	Core-XV	2:30	70	30	100	4	4
Paper – XVI	Core -XVI	2:30	70	30	100	4	4
Practical : Paper - VII	Pract-VII	3/4	75	**	75	6	3
Practical : Paper - VIII	Pract-VIII	3/4	75		75	6	3
Elective Course (Any One) Disciplinary / Interdisciplinary		2:00	50	4	50	2	2
TOTAL			480	120	600	30	24

Course	Name of the Course	Exam. Duration (Hours)	Ext. Marks	Int. Marks	Total Marks	Teach, Hours Per week	Credit point
	Core-XIII	2:30	70	30	100	4	4
Paper – XIII			70	30	100	4	4
Paper – XIV	Core-XIV	2:30	and the second s		100	4	4
Paper XV	Core-XV	2:30	70	30	300	18	12
Major Dissertation			210	90	and a section of		_
TOTAL			420	180	600	30	24

NOTE :

- 1. For 4 credit course: Each syllabus is of 4 Units having equal weightage.
- 2. For 2 credit course: Each syllabus is of 2 Units having equal weightage.
- There is no section in semester end examinations i.e. questions Paper is without sections.
- For question paper of 70 marks: Each Question paper contains 4 questions: Q-1 from unit-I of 18 marks, Q-2 from unit-II of 17 marks, Q-3 from unit-III of 18 marks and last Q-4 from unit-Iv of 17 marks from entire course.
- For question paper of 50 marks: Each Question paper contains 3 questions: Q-1 from unit-1 of 20 marks, Q-2 from unit-11 of 20 marks, and last Q-3 is of objective types having 10 marks from entire course.

[8OS may add some specifications with reference to above structure.]

Hemchandracharya North Gujarat University MBA Programme

Subjects for Semester: I, II, III & IV Effective From July: 2019.

	SEMESTER: I
Code	Subject
_	Core Subjects
CC101	Management Process & Organisationa Behaviour
CC102	Quantitative Techniques for Management
CC103	Macro & Micro Economics
CC104	Accounting for Managers
CC105	Managerial Communication
CC106	Computer Applications in Management
CC107	Yoga & Health
	· SEMESTER: II
Code	Subject
	Core Subjects
CC108	Business Environment
CC109	Cost & Management Accounting
CC110	Marketing Management
CC111	Financial Management
CC112	Production & Operations Management
CC113	Human Resource Management
CC114	Business Research Methodology

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	. SEMESTER: III			
Code	Subject			
	Core Subjects			
CC201	Strategic Management			
CC202	Legal Aspects of Business			
CC203	Management Research Project: I			
<u> </u>	Marketing Elective			
MM201	Advertising & Promotion Management			
MM202	02 Sales & Distribution Management			
MM203	Consumer Behavior			
MM204	Strategic Marketing & Brand Management			
2	Finance Elective			
FM201	Strategic Financial Management			
FM202	Indian Financial Systems			
FM203	Security Analysis & Portfolio Management			
FM204	Banking & Insurance			

SEMESTER: IV



Page 1 of 14 I/c. Registrar Hemchandracharya

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North Gujarat University PATAN

Code	Subject
Couc	Core Subjects
CC204	E-torpropertship & Management of innerta
CC205	Management Control Systems
CC206	Management Research Project: II
MM205	Marketing Elective International Marketing Management
MM206	Marketing of Services
	Finance Elective
FM205	International Financial Management
FM206	



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Hemchandracharya North Gujarat University MBA Programme

Subjects for Semester: I, II, III & IV Effective From July: 2019.

	SEMESTER: I
Code	Subject
_	Core Subjects
CC101	Management Process & Organisationa Behaviour
CC102	Quantitative Techniques for Management
CC103	Macro & Micro Economics
CC104	Accounting for Managers
CC105	Managerial Communication
CC106	Computer Applications in Management
CC107	Yoga & Health
	· SEMESTER: II
Code	Subject
	Core Subjects
CC108	Business Environment
CC109	Cost & Management Accounting
CC110	Marketing Management
CC111	Financial Management
CC112	Production & Operations Management
CC113	Human Resource Management
CC114	Business Research Methodology

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	. SEMESTER: III			
Code	Subject			
	Core Subjects			
CC201	Strategic Management			
CC202	Legal Aspects of Business			
CC203	Management Research Project: I			
<u> </u>	Marketing Elective			
MM201	Advertising & Promotion Management			
MM202	02 Sales & Distribution Management			
MM203	Consumer Behavior			
MM204	Strategic Marketing & Brand Management			
2	Finance Elective			
FM201	Strategic Financial Management			
FM202	Indian Financial Systems			
FM203	Security Analysis & Portfolio Management			
FM204	Banking & Insurance			

SEMESTER: IV



Page 1 of 14 I/c. Registrar Hemchandracharya

Jim

North Gujarat University PATAN

Code	Subject
Couc	Core Subjects
CC204	E-torpropertship & Management of innerta
CC205	Management Control Systems
CC206	Management Research Project: II
MM205	Marketing Elective International Marketing Management
MM206	Marketing of Services
	Finance Elective
FM205	International Financial Management
FM206	



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M.com Sem-I

No	Particular	Credit	Code	Practical Theory
1	Managerial Economics	4	CC-101	Theory
2	Marketing Management	4	CC-102	Theory
3	Business Research Methods	4	CC-103	Fractical +Theory
4	Financial Management	- 4	CC 104	Practical
5	E-Commerce	4	SS 105 E	Theory

M.com Sem-II

No	Particular	Credit	Code	Practical /Theory
1	Financial Market	4	CC-201	Theory
2	Business Environment	4	CC-202	Theory
3	Financial Accounting & Auditing	4	CE-203	Practical
4	Cost Accounting-I	-4	CE-204	Practical
5	Elements of Banking and Insurance	- 4	SS 205 0	Theory

M.com Sem-III

No	Particular	Credit	Code	Practical Theory
1	Taxation-I (Personal Tax Planning)	4	CC-301	Theory
2	Strategic Management	4	CC-302	Theory
3	Cost Accounting-II	4	CE-303	Practical
4	Financial Accounting & Auditing-II	4	CE-304	Practical
5	Computerized Accounting Tally - I		\$\$305C	Practical

M.com Sem-IV

No	Particular	Credit	Code	Practical Theory
1	Taxation-II (Corporate Tax Planning & GST	4	CC-401	Theory
2	International Accounting	4	CC-402	Theory
3	Management Accounting-I	4	CE-403.4	Practical
4	Management Accounting-II	4	CE-404	Practical
5	Computerized Accounting Tally - II	4	SS405C	Practical

<u>STRUCTURE</u> HEMCHANDRACHARYA NORTH GUJARAT UNIVERSITY PROGRAMME: BBA (GENERAL) (3 Years) Syllabus with effect from: June -2020 SEMESTER – I

Course		T/		Exam	Components of Marks			
Code	Name of Subject	P	Credit	Duratio n in Hrs	Internal	External	Total	
BBA101	Principles of Management	Т	4	2.5	30	70	100	
BBA102	Business Communication – I	Т	4	2.5	30	70	100	
BBA103	Fundamentals of Economics	Т	4	2.5	30	70	100	
BBA104	Fundamentals of Accounting	Т	4	2.5	30	70	100	
BBA105	Business Statistics	Т	4	2.5	30	70	100	
BBA106	Information Technology for Business	T/ P	2T,2P	2	30	70	100	
			24					

SEMESTER - II

Course		T/	Credit	Exam Duration in Hrs	Comp	onents of M	larks
Code	Name of Subject	P			Internal	External	Total
BBA201	Management in Business Organization	T	4	2.5	30	70	100
BBA202	Business Communication – II	Т	.4	2.5	30	70	100
BBA203	Business Economics	Т	4	2.5	30	70	100
BBA204	Corporate Accounting I	Т	4	2.5	30	70	100
BBA205	Business Mathematics	T	4	2.5	30	70	100
BBA206	Practical on Web Designing & Publishing	Р	4	3	30	70	100
			24				



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<u>STRUCTURE</u> HEMCHANDRACHARYA NORTH GUJARAT UNIVERSITY PROGRAMME: BBA (GENERAL) (3 Years) Syllabus with effect from: June -2021 SEMESTER – III

Course		\mathbf{T}		Exam	Components of Marks		
Code	Name of Subject	P	Credit	Duration in Hrs	Interna 1	Extern al	Total
BBA301	Integrated Personality Development	T/ P	2T. 2P	2.5	30	70	100
BBA302	Basics of Marketing	Т	4	2.5	30	70	100
BBA303	Financial Management-I	Ť	4	2.5	30	70	100
BBA304	Corporate Accounting I	Т	4	2.5	30	70	100
BBA305	Production and Material Management	Т	4	2.5	30	70	100
BBA306	Tally in Accounting	P	4	2	30	70	100
			24				

SEMESTER - IV

Course		T/		Exam	Comp	onents of N	larks
Code	Name of Subject	P P	Credit	Duration in Hrs	Interna 1	External	Total
BBA401	Human Resource Management	Т	ŧ.	2.5	30	70	100
BBA402	Business Research Methodology -I	Т	4	2.5	30	70	100
BBA403	Marketing Management	Т	4	2.5	30	70	100
BBA404	Financial Management-II	Т	4	2.5	30	70	100
BBA405	Management of Small Industries	Т	4	2.5	30	70	100
BBA406	Advance Excel in Business	P	4	2	30	70	100
			24				



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<u>STRUCTURE</u> PROGRAMME: BBA (GENERAL) (3 Years) Syllabus with effect from: June -2022 SEMESTER – V

Course		T/		Exam	Comp	onents of M	larks
Code	Name of Subject	P	Credit	Duration in Hrs	Internal	External	Total
BBA501	Business Research Methodology II	т	- 4	2.5	30	70	100
BBA502	Law Ethics and Management	Т	4	2.5	30	70	100
BBA503	Taxation I	T	4	2.5	30	70	100
BBA504	Cost Accounting	Т	4	2.5	30	70	100
BBA505	Project Management	T/ p	3T,1P	2.5	30	70	100
	(Elective – Any Two)	1					
BBA506	Advance Financial Management I	Т	4	2.5	30	70	100
BBA507	Advance Marketing Management I	T	4	2.5	30	70	100
BBA508	Advance Human Resource Management I	T	4	2.5	30	70	100
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PROGRAMME: BBA (GENERAL) (3 Years) Syllabus with effect from: June -2022

Course	8	T/		Exam	Compo	nents of M	arks
Code	Name of Subject	Р	Credit	Duration in Hrs	Intérnal	External	Total
BBA601	Business Environment	Т	4	2.5	30	70	100
BBA602	Management Research Project	Р	4	2.5	30	70	100
BBA603	Taxation II	T	4	2.5	30	70	100
BBA604	Management Accounting	T	4	2.5	30	70	100
BBA605	Strategic Management	Т	4	2.5	30	70	100
	(Elective - Any Two)						
BBA606	Advance Financial Management II	Т	4	2.5	30	70	100
BBA607	Advance Marketing Management II	Т	4	2.5	30	70	100
BBA608	Advance Human Resource Management II	т	4	2.5	30	70	100
			28				

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SEMESTER -VI

COURSI	COURSE TYPE	Title of Course	Credit		Exam Mar	ks
CC-306	Contra Co	-		Internal	Uni. Exam	Total
	Core	Money, Financial System and Indian Economy - II	3	30	70	100
CC-307	Core	Fundamentals of Financial Management	3	30	70	100
CC-308	Core	Insurance And Stock Exchange Communication	3	30	70	100
		Commercial Communication (Optional)-VI				1
CC-309	Core	Business Statistics – II	3	-30	70	100
CC-310	Core	Business Laws - II	3	30	70	100
	Any One Group fro	om the Following	L			
CE 303 A	Core Elective	Management Accounting - II		30	70	100
CE 304 A	Core Elective	Auditing – II		30	70	100
		OR				
CE 303 B	Core Elective	Fundamentals of Statistics -V		30	70	100
CE 304 B	Core Elective	Fundamentals of Statistics -VI	6	30	70	1.00
		OR	_			
CE 303 C	Core Elective	International Marketing	-	30	70	100
E 303 C	Core Elective	Management of Organized Market		30	70	100
	Any ONE Course fro	om the Following			_	
C 302 A	Foundation	General Knowledge-2 (India Level)	3	30	70	100
C 302 8	Foundation	Recent Trends in Management				
		Total Credits	24			

HEMCHANDRACHARYA NORTH GUJARAT UNIVERSITY, PATAN C B C S FOR B.COM PROGRAMME Semester - VI

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Registrar Hemohundracharya

HEMCHANDRACHARYA NORTH GUJARAT UNIVERSITY, PATAN CBCSFOR B.COM PROGRAMME Semester - V

COURSE	COURSE TYPE	Title of Course	Credit	Exam Marks			
CC-301		1 2		Internal	Uni. Exam	Total	
	Core	Money, Financial System and Indian Economy - I	3	30	70	100	
CC-302	Core	Marketing Management Practices	3	30	70	100	
CC-303	Core	Business Communication	3	30	70	100	
		Commercial Communication (Optional)-V					
CC-304	Core	Business Statistics – I	3	30	70	100	
CC-305	Core	Business Laws - II	3.	30	70	100	
	Any One Group fro	om the Following	I				
CE 301 A	Core Elective	Cost & Financial Accounting		30	70	100	
CE 302 A	Core Elective	Management Accounting ~ I		30	70	100	
		OR	-	_			
CE 301 B	Core Elective	Fundamentals of Statistics - III		30	70	100	
CE 302 B	Core Elective	Fundamentals of Statistics - IV	6	30	70	100	
		OR	- H		_		
2E 301 C	Core Elective	Advanced Finance Management	-	30	70	100	
E 302 C	Core Elective	Consumer Behavior And Market Segmentation		30	70	100	
	Any ONE Course fro	om the Following				_	
C 301 A	Foundation	General Knowledge – 1(Gujarat Level)	3	30	70	100	
C 301 B	Foundation	Total Quality Management					
		Total Credits	24				

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I/c. Registrar Hemchandracharya

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HEMCHANDRACHARYA NORTH GUJARAT UNIVERSITY, PATAN C B C S FOR B.COM PROGRAMME Semester - IV

CODE	COURSE TYPE	Title of Course	Credit				
				Internal	Exam Mar		
				unemai	Uni. Exam	Total	
CC-205	Core	Business Environment and Economics Policy - II	3	30	70	100	
CC-206	Core	Production Management	3	30	70	100	
CC-207	Core	Taxation-II	3	30	70	100	
CC-208	Core	Business Communication	3	30	70	100	
		Commercial Communication (Optional)-IV	1 V.				
	Any One Group	from the Following		_		-	
CE 203 A	Core Elective	Cost Accounting – II		30	70	100	
CE 204 A	Core Elective	Auditing -1		30	70	100	
		OR			_		
CE 203 B	Core Elective	Basic Statistics - IV	6	30	70	1.00	
CE 204 B	Core Elective	Fundamentals of Statistics ~ II		30	70	100	
		OR					
CE 203 C	Core Elective	Industrial Psychology And Management		30	70	100	
ТЕ 204 С	Core Elective	Distribution Management		30	70	100	
	Any ONE Course from Core Elect	From the Following other than the opted ive				<u> </u>	
E 202 A	Subject Elective	Cost Accounting - II		30	70	100	
E 202 B	Subject Elective	Basic Statistics - IV	di di	30	70	100	
E 202 C	Subject	Advance Personal Management	t,	30	70	100	
E 202 D	Subject Elective	Secretarial Practice - IV	3	30	70	100	
E 202 E	Subject Elective	Computer Application – IV		30	70	100	
202 F	Subject Elective	Co-operation - IV		30	70	100	
	Any ONE Course	from the Following					
202 A	Foundation	Disaster Management (Compulsory)	3	30	70	100	
C 202 B	Foundation	Advertising & Retailing					

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HEMCHANDRACHARYA NORTH GUJARAT UNIVERSITY, PATAN CBCSFOR 8.COM PROGRAMME Semester - III

COURS	CONTRACTOR AND AND AND	Title of Course	Credit	1		
				Internal	Exam Mar	11/1
CC-201	Calles			muernar	Uni, Exam	Total
1.0000000	Core	Business Environment and Economics Policy - I	3	30	70	100
CC-202	Core	Indian Financial System	3	30	70	100
CC-203	Core	Taxation-I	3	30	70	100
CC-204	Core	Commercial Communication	3	30	70	100
		Commercial Communication (Optional)-III				
_	Any One Group	from the Following				
CE 201 A	Core Elective	Cost Accounting - II				-
				30	70	100
CE 202 A	Core Elective	Corporate Accounting		30	70	100
		OR				
CE 201 B	Core Elective	Basic Statistics - III	6	30	70	100
CE 202 B	Core Elective	Fundamentals of Statistics – I		30	70	100
		OR				
CE 201 C	Core Elective	Advance Exercit March 15		1.55	_	
E 202 C	Care Flin of			30	70	100
	Core Elective	Product Innovation And Product Line		30	70	100
	Any ONE Course from Core Elect	From the Following other than the opted			-	
E 201 A	Subject	Cost Accounting - I		- 00 L		
E 201 0	Elective			30	70	100
	Subject Elective	Basic Statistics - III	T I	30	70	100
E 201 C	Subject Elective	Advance Marketing Management	-	30	70	100
E 201 D	Subject Elective	Secretarial Practice – III	3 -	30	70	100
E 201 E	Subject Elective	Computer Application – III	-	30	70	100
202 F	Subject Elective	Co-operation - III	-	30	70	100
	the second se	from the Following				2.2
201 A	Foundation	Environmental Studies(Compulsory)				
- 1		0	3	30	70	100
13	1 Branch	Total Credits	24			

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HEMCHANDRACHARYA NORTH GUJARAT UNIVERSITY, PATAN C B C S FOR B.COM PROGRAMME Semester - II

CODE	COURSE TY	PE Title of Course				
		THIN OF LOUISE	Cred	t	Exam Max	**
CC-105	Core	Fundamentals of Business Economics - II		Internal	Uni. Exam	Total
CC-106	Core		3	38	20	10
CC-107	Core	Fundamentals of Marketing Management Accountancy – II	3	30	70	100
CC-108	Core		-4	30	70	100
	1	Business Correspondence	3	30	70	100
CE-102 A	Core Elective	Commercial Communication (Optional)-ti			1 1.0	400
E-102 B		Financial Accounting - II	-			-
E-102 C	Core Elective	Operations Research-II		30		
	Core Elective	Stress Relief Management	4		70	100
E 102 A	Subject Elective	Financial Accounting - 11		30	70	100
E 102 B	Subject Elective	Operations Research		30	70	100
102 C	Subject Elective	Computer Application - II	_	30	70	100
102.0	Subject Elective	Secretarial Practice - II	÷ ÷	3.0	70	100
102 E	Subject Elective	Advance Sales Management		30	70	100
102 F	Subject Elective	Co-operation - II		30	70	100
102 A	Foundation	General Insurance		30	70	100
102 B	Foundation			00	50	50
02 A	Soft Skill	Sports & Practice	1 1	00	50	50
	Soft Skill	Indian Constitution – II	2	00	50	50
	Soft Skill	Fundamentals of Entrepreseurahip – II	-	00	50	-
	ALC SKILL	General English : Grammar. & Composition	-	00		50
		Total Credits	24		50	50



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I/c. Registrat Hemchandracharya North Gujarat University PATAN

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HEMCHANDRACHARYA NORTH GUJARAT UNIVERSITY, PATAN C B C S FOR B.COM PROGRAMME Semester - 1

COURSE	COURSE TYPE	Title of Course	Credit	Exam Marks			
				Internal	Uni. Exam	Total	
CC-101	Core	Fundamentals of Business Economics - 1	э	30	70	100	
CC-102	Core	Human Besource Management	3	30	70	100	
CC-103	Core	Accountancy -1	4	30	70	100	
CC-104	Core	Communication in Business	3	30	70	100	
		Commercial Communication (Optional)-F					
CE-101 A	Core Elective	Financial Accounting – I			-		
CE-101 8	Core Elective	Basic Statistics - i (Operation Research-I)		30	70	100	
CE-101 C	Core Elective	Basic Concept of Salesmanship		- 30	70	100	
SE 101 A	Subject Elective	Financial Accounting - F		30	70	100	
SE 101 B	Subject Elective	Basic Statistics - I		30	70	100	
SE 101 C	Subject Elective	Computer Application - I		30	70	100	
SE 101 D	Subject Elective	Secretarial Practice – I		30	70	100	
SE 101 E	Subject Elective	Advance Business Management		30	70	100	
SE 101 F	Subject Elective Co-Co- Co- operation	Co-operation - I		30	70	100	
FC 101 A	Foundation	Tally Accounting	3	00	50	50	
FC 101 8	Foundation	Yoga & Mediation		00	50	50	
FC 101 C	Foundation	Fundamentals of Banking I		00	50	50	
5 101 A	Soft Sidil	Indian Constitution - I		00	50	50	
\$5 101 8	Soft Skill	Fundamentals of Entrepreneurship - I		00	50	50	
SS 101 C	Soft Skill	General English : Text & Composition		00	50	50	
		Total Credits	24				

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Hemchandracharya North Gujarat University

Accredited by NAAC with "A" Grade (CGPA 3.02)

P.Box. No.21, University Road, Patan (N.G.), 384 265

Phone : (02766) 222745, 230529, 230743, 233648 Email : regi@ngu.ac.in Fax : (02766) 231917 Website : www.ngu.ac.in

The Proposed New Structure for M.Sc. Course is based on choice Based Credit System (CBCS) which is in force from June – 2018

CBCS Course Pattern

- This programme is divided into four Semesters (Two Years). The duration of an academic year consists of two semesters, each of 15 weeks for teaching. The academic session in each semester will provide 90 teaching days. 24 credit each year X 4 semester= 96 credits master level.
- There will be three categories of courses / papers in this programme :
 - Four Compulsory Core theory courses with 4 credits each in each semester.
 - B. One Choice Based Elective Course (disciplinary / interdisciplinary) with 2 credits in each semester.
 - C. Two Practical's each of Three credits in each semesters .
 - D. In the IV Semester as above a,b,c or instead of above A,B, C ; a student can undertake Three core theory courses (12 - credits) and project / field work (12 - credits), OR Major Dissertation (24 - credits) OR as per decided by BOS.

3.

Detailed Course Pattern for each Semester is given bellow.

M.Sc.	ş	Sem	ester -	I.
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Course	Name of the Course	Exam. Duration (Hours)	Ext. Marks	int. Marks	Total Marks	Teach, Hours Per week	Credit point
Paper - I	Core-1	2:30	70	30	100	4	4
Paper - II	Core-li	2:30	70	30	100	4	4
Paper – III	Core-III	2:30	70	30	100	4	4
Paper – IV	Core-IV	2:30	70	30	100	4	4
Practical : Paper – I	Pract-I	3/4	75	1	75	6	3
Practical : Paper – II	Pract-II	3/4	75	(ee)	75	6	3
Elective Course (Any One) Disciplinary / Interdisciplinary		2:00	50	.	50	2	2
TOTAL			480	120	600	30	24

M.Sc. : Semester – II

Course	Name of the Course	Exam. Duration (Hours)	Ext. Marks	Int. Marks	Total Marks	Teach, Hours Per week	Credit point
Paper – V	Core-V	2:30	70	30	100	4	4
Paper - VI	Core-VI	2:30	70	30	100	4	:4
Paper – VII	Core-VII	2:30	70	30	100	4	4
Paper – VIII	Core-VIII	2:30	70	30	100	4	4
Practical : Paper – III	Pract-III	3/4	75	44	75	6	3
Practical : Paper – IV	Pract-IV	3/4	75	++	75	б	3
Elective Course (Any One) Disciplinary / Interdisciplinary		2:00	50	222 10	50	2	2
TOTAL		T Y J	480	120	600	30	24

M.Sc. : Semester - III

Course	Name of the Course	Exam. Duration (Hours)	Ext. Marks	int. Marks	Total Marks	Teach, Hours Per week	Credit point
Paper ~ IX	Core-IX	2:30	70	30	100	4	4
Paper – X	Core-X	2:30	70	30	100	4	4
Paper – XI	Core-XI	2:30	70	30	100	4	4
Paper – XII	Core-XII	2:30	70	30	100	4	4
Practical : Paper – V	Pract-V	3/4	75	-	75	6	3
Practical : Paper – VI	Pract-VI	3/4	75		75	6	3
Elective Course (Any One) Disciplinary / Interdisciplinary	-	2 ; 00	50	**	50	2	2
TOTAL			480	120	600	30	24

M.Sc. : Semester - IV

Course	Name of the Course	Exam. Duration (Hours)	Ext. Marks	int. Marks	Total Marks	Teach, Hours Per week	Credit point
Paper – XIII	Core-XIII	2:30	70	30	100	4	4
Paper – XIV	Core-XIV	2:30	70	30	100	4	4
Paper - XV	Core-XV	2:30	70	30	100	4	4
Paper – XVI	Core -XVI	2:30	70	30	100	4	4
Practical : Paper - VII	Pract-VII	3/4	75	**	75	6	3
Practical : Paper - VIII	Pract-VIII	3/4	75		75	6	3
Elective Course (Any One) Disciplinary / Interdisciplinary		2:00	50	-	50	2	2
TOTAL			480	120	600	30	24

Course	Name of the Course	Exam. Duration (Hours)	Ext. Marks	Int. Marks	Total Marks	Teach, Hours Per week	Credit point
	Core-XIII	2:30	70	30	100	4	4
Paper – XIII			70	30	100	4	4
Paper – XIV	Core-XIV	2:30	and the second s		100	4	4
Paper XV	Core-XV	2:30	70	30	300	18	12
Major Dissertation			210	90	and a section of		_
TOTAL			420	180	600	30	24

NOTE :

- 1. For 4 credit course: Each syllabus is of 4 Units having equal weightage.
- 2. For 2 credit course: Each syllabus is of 2 Units having equal weightage.
- There is no section in semester end examinations i.e. questions Paper is without sections.
- For question paper of 70 marks: Each Question paper contains 4 questions: Q-1 from unit-I of 18 marks, Q-2 from unit-II of 17 marks, Q-3 from unit-III of 18 marks and last Q-4 from unit-Iv of 17 marks from entire course.
- For question paper of 50 marks: Each Question paper contains 3 questions: Q-1 from unit-1 of 20 marks, Q-2 from unit-11 of 20 marks, and last Q-3 is of objective types having 10 marks from entire course.

[8OS may add some specifications with reference to above structure.]

Hemchandracharya North Gujarat University, Patan. M.Sc. (Chemistry) (WEF June: 2019). <u>Semester End Examination</u>

Semester - I

Work Load	Paper No.	Subject	External Marks	Internal Marks	Credit
60 Hrs.	CHNN-401	Inorganic Chemistry	70	30	4
,60 Hrs.	CHNN-402	Organie Chemistry	70	30	4
60 Hrs.	CHNN-403	Physical Chemistry	70	30	4 -
60 Hrs.	CHNN-404	Symmetry, GroupTheory& Spectroscopy	70	30	4
_30 Hrs	CHNN-405 A	Computers for Chemists	35	15	2
-30 Hrs	CHNN-405 B	Computational Chemistry	35	15	2
_30 Hrs	CHNN-405 C	Organic Spectroscopy	35	15	2
90 Hrs.	CHNN-406	Practical I		4 = 1 = 0.	3
90 Hrs.	CHNN-407	Practical II	32877		3
	То	tal -	465	135	24

*EachCHNN-406andCHNN-407includes30marksofvivainthetotalof150marksof viva voceexamination. (Details as shown in 15.)

Working per semester minimum 90 days (15weeks)



I/c, Registrar Heinchandracharya North Gujarat University PATAN

a.

Hemchandracharya North Gujarat University, Patan. M.Sc. (Chemistry) (WEF June: 2019) <u>Semester End Examination</u>

Work Load	Paper No.	Subject	External Marks	Internal Marks	Credit
60 Hrs.	CHNN-501	Inorganie Chemistry	70	30	4
60 Hrs.	CHNN-502	Organic Chemistry	70	30	4
60 Hrs.	CHNN-503	Physical Chemistry	70	30	4
60 Hrs.	CHNN-504	Spectroscopy - part II	70	30	4
30 Hrs	CHNN-505 A	Organotransition MetalChemistry	35	15	2 0
30 Hrs	CHNN-505 B	Bioinorganic and SupramolecularChemistry.	35	15	2 .
90 Hrs.	CHNN-506	Practical 1			3
90 Hrs.	CHNN-507	Practical II		-	3
	- °T	otal	480	120	24

*EachCHNN-506andCHNN-507includes30marksofvivainthetotalof150marksof viva voceexamination (Details as shown in 15.) Working per semester minimum 90 days (15weeks)



Vc. Registrar Hemchandracharya North Gujarat University PATAN

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Hemchandrcharya North Gujarat University Patan M.Sc. (Chemistry) (WEF June: 2020) Semester-III

Work Load	Paper No.	Subject	External Marks	Internal Marks	Cre dit
60 Hrs.	CHNN-601-(I)	Inorganic Spectroscopy Paper-I	70	30	- 4
60 Hrs.	CHNN-602-(I)	Inorganic Chemistry Paper-II	70	30	4
60 Hrs	CHNN-603-(I)	Inorganic Chemistry Paper-III (Corrosion) or Coordination Chemistry	70	30	4
60 Hrs.	CHNN-604-(I)	Inorganic Pharmaceutical and Medicinal Chemistry	70	30	4
30 Hrs.	CHNN-605A-(I)	Environmental Chemistry	35	15	2
30 Hrs.	CHNN-605B-(I)	Smart & Nanomaterials	35	15	2
90 Hrs.	CHNN-606- (I)	Practical- I	75	-	3
90 Hrs.	CHNN-607- (I)	Practical- II	75		3
	To	tal	465	135	24

Working per semester minimum 90 days(15 weeks)



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Hemchandracharya North Gujarat University Patan M.Sc. (Organic Chemistry) (WEF June: 2020) M.Sc. Semester-III

Work Load	Paper No Course Code	Course Title Subject	External Marks	Internal Marks	Credits
60 Hrs.	CHNN-601-(O)	Natural Products	70	30	4
60 Hrs.	CHNN-602-(O)	Industrial Organic Chemistry	70	30	4
60 Hrs.	CHNN-603-(O)	Synthetic Drugs	70	30	4
60 Hrs.	CHNN-604-(O)	Selected Topics In Organic Chemistry	70	30	4
30 Hrs.	CHNN-605A- (O)	Green Chemistry	35	15	2
30 Hrs.	CHNN-605B- (O)	Photo Chemistry	35	15	2
90 Hrs.	CHNN-606-(O) Practicals	Organic Chemistry	75	(etcare)	3
90 Hrs.	CHNN-607-(O) Practicals	Organic Chemistry	75		3
		Total	465	135	24

Working per semester minimum 90 days (15 weeks)



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Hemchandracharya North Gujarat University, Patan M.Sc. (Physical Chemistry) (New Syllabus WEF June:2020) M.Sc. Semester-III

Work Load	Paper No Course Code	Course Title Subject	External Marks	Internal Marks	Credits
60 Hrs.	CHNN-601-(P)	Physical Chemistry	70	30	4
60 Hrs.	CHNN-602-(P)	Physical Chemistry	70	30	(4)
60 Hrs.	CHNN-603-(P)	Physical Chemistry	70	30	4
60 Hrs.	CHNN-604-(P)	Physical Chemistry	70	30	4
30 Hrs.	CHNN-605A-(P) (SE)	Physical Chemistry	35	15	2
30 Hrs.	CHINN-605B-(P) (SE)	Physical Chemistry	35	15	2
90 Hrs.	CHINN-606-(P) Practicals	Physical Chemistry	75	1 *******	3
90 Hrs.	CHNN-607-(P) Practical	Physical Chemistry	75	5 selles (i	З
		Total	465	135	24

> Working per semester minimum 90 days (15 weeks).



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Work Load	Paper No.	Subject	External Marks	Internal Marks	Credit
60 Hrs.	CHNN-701-(I)	Inorganic Chemistry Paper-I	70	30	4
60 Hrs.	CHNN-702- (I)	Inorganic Chemistry Paper-II	70	30	4
60 Hrs.	CHNN-703- (I)	Corrosion Or Co-ordination Chemistry	70	30	4
60 Hrs.	CHNN-704- (I)	Applications of Inorganic Chemistry in Industries	70	30	4
30 Hrs.	CHNN+705A- (I)	Fundamentals and Safety in Chemistry Lab	35	15	2
30 Hrs.	CHNN-705B- (I)	Bioinorganic Chemistry	35	15	2
90 Hrs.	CHNN-706- (I)	Practical- I	75		3
90 Hrs.	CHNN-707-(I)	Practical- II	75	(and the second se	3
		Total	465	135	24

Hemchandrcharya North Gujarat University Patan M.Sc. (Inorganic Chemistry) (WEF June:2020)

> Working per semester minimum 90 days (15 weeks).



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Hemchandracharya North Gujarat University Patan M.Sc. (Organic Chemistry) (WEF June: 2020) M.Sc. Semester-IV

Work Load	Paper No Course Code	Subject Course Title	External Marks	Internal Marks	Credits
60 Hrs.	CHNN-701-(O)	Natural & Stereo Chemistry	70	30	4
60 Hrs.	CHNN-702-(O)	Industrial Organic Chemistry	70	30	4
60 Hrs.	CHNN-703-(O)	Synthetic Drugs	70	30	4
60 Hrs.	CHNN-704-(O)	Selected Topic In Chemistry	70	30	4
30 Hrs.	CHNN-705A- (O)	Disconnection Approach	35	15	2
30 Hrs.	CHNN-705B-(O)	Chemical Toxicology & Solid Waste	35	15	2
90 Hrs.	CHNN-706(O) A Practicals	Organic Chemistry	75		3
90 Hrs.	CHNN-706(O) B Practicals	Organic Chemistry	75	1. 7.7 1.9.7 7. 1	3
		Total	465	135	24

> Working per semester minimum 90 days (15 weeks).



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Hemchandracharya North Gujarat University Patan M.Sc. (Physical Chemistry) (New Syllabus WEF June: 2020) M.Sc Semester-IV

Work Load	Paper No	Subject	External Marks	Internal Marks	Credits
60 Hrs.	CHNN-701-(P)	Physical Chemistry	70	30	4
60 Hrs.	CHNN-702-(P)	Physical Chemistry	70	30	4
60 Hrs.	CHNN-703-(P)	Physical Chemistry	70	30	4
60 Hrs.	CHNN-704-(P)	Physical Chemistry	70	30	4
30 Hrs.	CHNN-705A-(P)	Physical Chemistry	35	15	2
30 Hrs.	CHNN-705B-(P)	Physical Chemistry	35	15	2
90 Hrs.	CHNN-706-(P) Practicals	Physical Chemistry	75) 	3
90 Hrs	CHNN-707-(P) Practicals	Physical Chemistry	75		3
		Total	465	135	24

> Working per semester minimum 90 days (15 weeks).



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Hemchandracharya North Gujarat University, Patan. M.Sc. (Chemistry) (WEF June: 2019). <u>Semester End Examination</u>

Semester - I

Work Load	Paper No.	Subject	External Marks	Internal Marks	Credit
60 Hrs.	CHNN-401	Inorganic Chemistry	70	30	4
,60 Hrs.	CHNN-402	Organie Chemistry	70	30	4
60 Hrs.	CHNN-403	Physical Chemistry	70	30	4 -
60 Hrs.	CHNN-404	Symmetry, GroupTheory& Spectroscopy	70	30	4
_30 Hrs	CHNN-405 A	Computers for Chemists	35	15	2
-30 Hrs	CHNN-405 B	Computational Chemistry	35	15	2
_30 Hrs	CHNN-405 C	Organic Spectroscopy	35	15	2
90 Hrs.	CHNN-406	Practical I		4 = 1 = 0.	3
90 Hrs.	CHNN-407	Practical II	32877		3
	То	tal -	465	135	24

*EachCHNN-406andCHNN-407includes30marksofvivainthetotalof150marksof viva voceexamination. (Details as shown in 15.)

Working per semester minimum 90 days (15weeks)



I/c, Registrar Heinchandracharya North Gujarat University PATAN

a.

Hemchandracharya North Gujarat University, Patan. M.Sc. (Chemistry) (WEF June: 2019) <u>Semester End Examination</u>

Work Load	Paper No.	Subject	External Marks	Internal Marks	Credit
60 Hrs.	CHNN-501	Inorganie Chemistry	70	30	4
60 Hrs.	CHNN-502	Organic Chemistry	70	30	4
60 Hrs.	CHNN-503	Physical Chemistry	70	30	4
60 Hrs.	CHNN-504	Spectroscopy - part II	70	30	4
30 Hrs	CHNN-505 A	Organotransition MetalChemistry	35	15	2 0
30 Hrs	CHNN-505 B	Bioinorganic and SupramolecularChemistry.	35	15	2 .
90 Hrs.	CHNN-506	Practical 1			3
90 Hrs.	CHNN-507	Practical II		-	3
	- °T	otal	480	120	24

*EachCHNN-506andCHNN-507includes30marksofvivainthetotalof150marksof viva voceexamination (Details as shown in 15.) Working per semester minimum 90 days (15weeks)



Vc. Registrar Hemchandracharya North Gujarat University PATAN

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Hemchandrcharya North Gujarat University Patan M.Sc. (Chemistry) (WEF June: 2020) Semester-III

Work Load	Paper No.	Subject	External Marks	Internal Marks	Cre dit
60 Hrs.	CHNN-601-(I)	Inorganic Spectroscopy Paper-I	70	30	- 4
60 Hrs.	CHNN-602-(I)	Inorganic Chemistry Paper-II	70	30	4
60 Hrs	CHNN-603-(I)	Inorganic Chemistry Paper-III (Corrosion) or Coordination Chemistry	70	30	4
60 Hrs.	CHNN-604-(I)	Inorganic Pharmaceutical and Medicinal Chemistry	70	30	4
30 Hrs.	CHNN-605A-(I)	Environmental Chemistry	35	15	2
30 Hrs.	CHNN-605B-(I)	Smart & Nanomaterials	35	15	2
90 Hrs.	CHNN-606- (I)	Practical- I	75	-	3
90 Hrs.	CHNN-607- (I)	Practical- II	75		3
	To	tal	465	135	24

Working per semester minimum 90 days(15 weeks)



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Hemchandracharya North Gujarat University Patan M.Sc. (Organic Chemistry) (WEF June: 2020) M.Sc. Semester-III

Work Load	Paper No Course Code	Course Title Subject	External Marks	Internal Marks	Credits
60 Hrs.	CHNN-601-(O)	Natural Products	70	30	4
60 Hrs.	CHNN-602-(O)	Industrial Organic Chemistry	70	30	4
60 Hrs.	CHNN-603-(O)	Synthetic Drugs	70	30	4
60 Hrs.	CHNN-604-(O)	Selected Topics In Organic Chemistry	70	30	4
30 Hrs.	CHNN-605A- (O)	Green Chemistry	35	15	2
30 Hrs.	CHNN-605B- (O)	Photo Chemistry	35	15	2
90 Hrs.	CHNN-606-(O) Practicals	Organic Chemistry	75	(etcare)	3
90 Hrs.	CHNN-607-(O) Practicals	Organic Chemistry	75		3
		Total	465	135	24

Working per semester minimum 90 days (15 weeks)



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Hemchandracharya North Gujarat University, Patan M.Sc. (Physical Chemistry) (New Syllabus WEF June:2020) M.Sc. Semester-III

Work Load	Paper No Course Code	Course Title Subject	External Marks	Internal Marks	Credits
60 Hrs.	CHNN-601-(P)	Physical Chemistry	70	30	4
60 Hrs.	CHNN-602-(P)	Physical Chemistry	70	30	(4)
60 Hrs.	CHNN-603-(P)	Physical Chemistry	70	30	4
60 Hrs.	CHNN-604-(P)	Physical Chemistry	70	30	4
30 Hrs.	CHNN-605A-(P) (SE)	Physical Chemistry	35	15	2
30 Hrs.	CHINN-605B-(P) (SE)	Physical Chemistry	35	15	2
90 Hrs.	CHINN-606-(P) Practicals	Physical Chemistry	75	1 *******	3
90 Hrs.	CHNN-607-(P) Practical	Physical Chemistry	75	5 selles (i	3
		Total	465	135	24

> Working per semester minimum 90 days (15 weeks).



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Work Load	Paper No.	Subject	External Marks	Internal Marks	Credit
60 Hrs.	CHNN-701-(I)	Inorganic Chemistry Paper-I	70	30	4
60 Hrs.	CHNN-702- (I)	Inorganic Chemistry Paper-II	70	30	4
60 Hrs.	CHNN-703- (I)	Corrosion Or Co-ordination Chemistry	70	30	4
60 Hrs.	CHNN-704- (I)	Applications of Inorganic Chemistry in Industries	70	30	4
30 Hrs.	CHNN+705A- (I)	Fundamentals and Safety in Chemistry Lab	35	15	2
30 Hrs.	CHNN-705B- (I)	Bioinorganic Chemistry	35	15	2
90 Hrs.	CHNN-706- (I)	Practical- I	75		3
90 Hrs.	CHNN-707-(I)	Practical- II	75	(and the second se	3
		Total	465	135	24

Hemchandrcharya North Gujarat University Patan M.Sc. (Inorganic Chemistry) (WEF June:2020)

> Working per semester minimum 90 days (15 weeks).



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Hemchandracharya North Gujarat University Patan M.Sc. (Organic Chemistry) (WEF June: 2020) M.Sc. Semester-IV

Work Load	Paper No Course Code	Subject Course Title	External Marks	Internal Marks	Credits
60 Hrs.	CHNN-701-(O)	Natural & Stereo Chemistry	70	30	4
60 Hrs.	CHNN-702-(O)	Industrial Organic Chemistry	70	30	4
60 Hrs.	CHNN-703-(O)	Synthetic Drugs	70	30	4
60 Hrs.	CHNN-704-(O)	Selected Topic In Chemistry	70	30	4
30 Hrs.	CHNN-705A- (O)	Disconnection Approach	35	15	2
30 Hrs.	CHNN-705B-(O)	Chemical Toxicology & Solid Waste	35	15	2
90 Hrs.	CHNN-706(O) A Practicals	Organic Chemistry	75		3
90 Hrs.	CHNN-706(O) B Practicals	Organic Chemistry	75	1. 7.7 1.9.7 7. 1	3
		Total	465	135	24

> Working per semester minimum 90 days (15 weeks).



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Hemchandracharya North Gujarat University Patan M.Sc. (Physical Chemistry) (New Syllabus WEF June: 2020) M.Sc Semester-IV

Work Load	Paper No	Subject	External Marks	Internal Marks	Credits
60 Hrs.	CHNN-701-(P)	Physical Chemistry	70	30	4
60 Hrs.	CHNN-702-(P)	Physical Chemistry			4
60 Hrs.	CHNN-703-(P)	Physical Chemistry	70	30	4
60 Hrs.	CHNN-704-(P)	Physical Chemistry	70	30	4
30 Hrs.	CHNN-705A-(P)	Physical Chemistry	35	15	2
30 Hrs.	CHNN-705B-(P)	Physical Chemistry	35	15	2
90 Hrs.	CHNN-706-(P) Practicals	Physical Chemistry	75) 	3
90 Hrs	CHNN-707-(P) Practicals	Physical Chemistry	75		3
		Total	465	135	24

> Working per semester minimum 90 days (15 weeks).



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Course	Course code	Paper title	Exam duration (Hours)	External marks	Internal marks	Total marks	Teaching hours per week	Credit points
Paper-I	MBCC-101	Cell Biology	2.30	70	30	100	4	4
Paper-II	MBCC-102	Molecular Biology and Genetics	2.30	70	30	100	4	4
Paper-III	MBCC-103	Biodiversity and Ecology	2.30	70	30	100	4	4
Paper-IV	MBCC-104	Microbial Taxonomy	2.30	70	30	100	4	4
Practical Paper-I	MBPR-101	Cell Biology, Molecular Biology and Genetics	More than 4 hours	75		75	6	3
Practical Paper-II	MBPR-102	Biodiversity, Ecology and Microbial Taxonomy	More than 4 hours	75		75	6	3
Elective Course	MBEC-101 OR MBEC-102 OR MBEC-103	Bioinformatics - 1 Agriculture Microbiology -1 Soil and Water Microbiology-1	2.00	35	15	50	2	2
Total	1			465	135	600	30	24

M. Sc. Semester I



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Course	Course code	Paper title	Exam duration (Hours)	External marks	Internal marks	Total marks	Teaching hours per week	Credit points
Paper-I	MBCC -201	Biochemistry	2.30	70	30	100	4	4
Paper-II	MBCC-202	Instrumentation and Analytical Techniques	2.30	70	30	100	- 4	4
Paper-III	MBCC-203	Biostatistics and Research Methodology	2.30	70	30	100	4	4
Paper-IV	MBCC-204	Bioprocess and Biochemical Engineering	2.30	70	30	100	- 4	4
Practical Paper-I	MBPR-201	Biochemistry, Instrumentation and Analytical Techniques	More than 4 hours	75		75	6	3
Practical Paper-II	MBPR -202	Biostatistics, Research Methodology and Bioprocess and Biochemical Engineering	More than 4 hours	75		75	6	3
Elective Course	MBEC-201 OR MBEC -202 OR MBEC -203	Bioinformatics - 2 Bio-Fertilizer Technology-2 Soil and Water Microbiology-2	2.00	35	15	50	2	2
Total				465	135	600	30	24

M. Sc. Semester II



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Course	Paper code	Paper title	Exam duration (Hours)	External marks	Internal marks	Total marks	Teaching hours per week	Credit points
Paper-I	MBCC-301	Bacteriology and Virology	2.30	70	30	100	4	4
Paper-II	MBCC-302	Genetics of Bacteria and Bacteriophages	2.30	70	30	100	4	4
Paper-III	MBCC-303	Microbial Physiology and Development	2.30	70	30	100	· 4	.4
Paper-IV	MBCC-304	Fundamental of Infection and Immunity	2.30	70	30	100	4	4
Practical Paper-I	MB-PR-301	Bacteriology and Virology & Genetics of Bacteria and Bacteriophages	3/4	75		75	6	- 3
Practical Paper-II	MB-PR-302	Microbial Physiology and Development & Fundamental of Infection and Immunity	3/4	75		75	6	3
Elective Course	MBEC-301 OR MSEC-302 OR MSEC-303	Microbial Diversity and Extremophiles Microbial Genomics and Proteomics Enzyme Technology	2.00	35	15	50	2	- 2
Total				480	135	600	30	24

M. Sc. Semester III



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M. Sc. Semester IV

Course	Paper code	Paper title	Exam duration (Hours)	External marks	Internal marks	Total marks	Teaching hours per week	Credit points
Paper-I	MBCC-401	Recombinant DNA Technology	2.30	70	30	100	4	4
Paper-II	MBCC-402	Medical Microbiology	2.30	70	30	100	- 4	4
Paper-III	MBCC-403	Food Microbiology	2.30	70	30	100	4	4
Paper-IV	MBCC-404	Environmental Microbiology	2.30	70	30	100	4	4
Practical Paper-I	MBPR-401	Recombinant DNA Technology & Medical Microbiology	3/4	75		75	6	3
Practical Paper-II	MBPR-402	Food Microbiology & Environmental Microbiology	3/4	75		75	6	3
Elective Course	MBEC-401 OR MSEC-402 OR MSEC-403	Drug Discovery and Clinical Research Dairy Microbiology Microbial Ecology	2.00	35	15	50	2	.2
Total				480	135	600	30	24

OR

Course	code	Internal evaluation (200 marks)		External evaluation (400 marks)					
		Mid-term presentation	Mid-term progress report	Attendance	Thesis	presentation	Viva-voce	Soft skill paper	Total
Dissertation	MSMB-DI- 401	50	100	50	200	50	100	50	600

*Mid- term progress report: mid-term progress report should contain introduction, review of literature, methodology of dissertation work and obtained results till date.



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Course	Course code	Paper title	Exam duration (Hours)	External marks	Internal marks	Total marks	Teaching hours per week	Credit points
Paper-I	ENVCC-101	Cell Biology	2.30	70	30	100	4	4
Paper-II	ENVCC -102	Molecular Biology and Genetics	2.30	70	30	100	4	4
Paper-III	ENVCC -103	Biodiversity and Ecology	2.30	70	30	100	4	4
Paper- IV	ENVCC -104	Fundamentals of Environmental Science	2.30	70	30	100	4	4
Practical Paper-I	ENVPR-101	Cell Biology, Molecular Biology and Genetics	More than 4 hours	75		75	6	ст,
Practical Paper-II	ENVPR-102	Biodiversity, Ecology and Fundamentals of Environmental Science	More than 4 hours	75		75	6	ст.
Elective Course	ENVEC-101 OR ENVEC-102 OR ENVEC-103	Wildlife and Conservation Biology - 1 Fisheries and Aquaculture -1 Environmentally Sound Technologies-1	2.00	35	15	50	2	2
Total				465	135	600	30	24

M. Sc. Semester I



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M.	Sc.	Semester	П

Course	Course code	Paper title	Exam duration (Hours)	External marks	Internal marks	Total marks	Teaching hours per week	Credit points
Paper-I	ENVCC -201	Biochemistry	2.30	70	30	100	4	4
Paper-II	ENVCC -202	Instrumentation and Analytical Techniques	2.30	70	30	100	- 4	4
Paper-III	ENVCC -203	Biostatistics and Research Methodology	2.30	70	30	100	4	4
Paper-IV	ENVCC -204	Environmental Chemistry	2.30	70	30	100	-4	4
Practical Paper-I	ENVPR-201	Biochemistry, Instrumentation and Analytical Techniques	More than 4 hours	75		75	6	3
Practical Paper-II	ENVPR-202	Biostatistics, Research Methodology and Environmental Chemistry	More than 4 hours	75		75	6	3
Elective Course	ENVEC-201 OR ENVEC-202 OR ENVEC-203	Wildlife and Conservation Biology - 2 Fisheries and Aquaculture -2 Environmentally sound technologies-2	2.00	35	15	50	2	2
Total				465	135	600	30	24



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PROGRAM : HNGU 2069

M. Sc. Semester III

Course	Paper code	Paper title	Exam duration (Hours)	External marks	Internal marks	Total marks	Teaching hours per week	Credit points
Paper-I	ENVCC-301	Environmental Health and Disaster Management	2.30	70	30	100	4	4
Paper-Ⅱ	ENVCC-302	Environmental Monitoring and Management System	2.30	70	30	100	4	4
Paper-III	ENVCC-303	Ecological Assessment Techniques, RS & GIS	2.30	70	30	100	-4	4
Paper-IV	ENVCC-304	Environmental Law, Impact Assessment & Audit	2.30	70	30	100	.4	4
Practical Paper-I	ENVPR-301	Lab -3 based on 301 and 302	3/4	75		75	6	3
Practical Paper-II	ENVPR-302	Lab -4 based on 303 and 304	3/4	75		75	6	3
Elective Course	ENVEC -301 OR ENVEC -302 OR ENVEC -303	Wildlife and Conservation Biology- 3 Fisheries and Aquaculture -3 Environmentally Sound Technologies-3	2.00	35	15	50	2	2
Total				480	120	600	30	24



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PROGRAM : HNGU 2069

Course	Paper code	Paper title	Exam duration (Hours)	External marks	Internal marks	Total marks	Teaching hours per week	Credit points
Paper-I	ENVCC-401	Environmental Biotechnology	2.30	70	30	100	4	4
Paper-II	ENVCC-402	Industrial safety and Toxicology	2.30	70	30	100	:4	4
Paper-III	ENVCC-403	Natural Resource Management	2.30	70	30	100	- 24)	- 4
Paper-IV	ENVCC-404	Renewable energy and Carbon offset management	2.30	70	30	100	4	4
Practical Paper-I	ENVPR-401	Lab 5- based on 401 and 402	3/4	75		75	6	3
Practical Paper-II	ENVPR-402	Lab 6 based on 403 and 404	3/4	75		75	6	3
Elective Course	ENVEC-401 OR ENVEC-402 OR ENVEC-403	Wildlife and Conservation Biology - 4 Fisheries and Aquaculture-4 Environmentally Sound Technologies-4	2.00	35	15	50	2	2
Total				480	120	600	30	24

M. Sc. Semester IV

Code Internal evaluation (200 marks) External evaluation (400 marks) Course Mid-term Thesis Soft skill Total Mid-term Attendance Presentation Viva-voce presentation progress paper report ENV-50 50 200 50 100 50 Dissertation 100 600 DI-401

*Mid- term Progress Report Mid-term progress report should contain introduction, review of literature, methodology of dissertation work and obtained results till date.



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Course	Course code	Paper title	Exam duration (Hours)	External marks	Internal marks	Total marks	Teaching hours per week	Credit points
Paper-I	ZOOCC-101	Cell Biology	2.30	70	30	100	4	4
Paper-II	ZOOCC -102	Molecular Biology and Genetics	2.30	70	30	100	4	4
Paper-III	ZOOCC -103	Biodiversity and Ecology	2.30	70	30	100	4	4
Paper- IV	ZOOCC -104	Animal Taxonomy-1	2.30	70	30	100	4	4
Practical Paper-I	ZOOPR-101	Cell Biology, Molecular Biology and Genetics	More than 4 hours	75		75	6	3
Practical Paper-II	ZOOPR-102	Biodiversity, Ecology and Animal Taxonomy-1	More than 4 hours	75		75	6	3
Elective Course	ZOOEC-101 OR ZOOEC-102 OR ZOOEC-103	Wildlife and Conservation Biology - 1 Fisheries and Aquaculture -1 Environmentally Sound Technologies-1	2.00	35	15	50	2	2
Total				465	135	600	30	- 24

M. Sc. Semester I



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M.	Sc.	Semester	П
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Course	Course code	Paper title	Exam duration (Hours)	External marks	Internal marks	Total marks	Teaching hours per week	Credit points
Paper-I	ZOOCC-201	Biochemistry	2.30	70	30	100	4	4
Paper-II	ZOOCC-202	Instrumentation and Analytical Techniques	2.30	70	30	100	- 4	4
Paper-III	ZOOCC-203	Biostatistics and Research Methodology	2.30	70	30	100	4	4
Paper-IV	ZOOCC-204	Animal Taxonomy -2	2.30	70	30	100	-4	4
Practical Paper-I	ZOOPR-201	Biochemistry, Instrumentation and Analytical Techniques	More than 4 hours	75		75	6	3
Practical Paper-II	ZOOPR-202	Biostatistics, Research Methodology and Animal taxonomy -2	More than 4 hours	75		75	6	3
Elective Course	ZOOEC-201 OR ZOOEC-202 OR ZOOEC-203	Wildlife and Conservation Biology - 2 Fisheries and Aquaculture -2 Environmentally Sound Technologies-2	2.00	35	15	50	2	2
Total			Ţ.	465	135	600	30	24



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M. Sc. Semester III

Course	Paper code	Paper title	Exam duration (Hours)	External marks	Internal marks	Total marks	Teaching hours per week	Credit points
Paper-I	ZOOCC-301	Animal Physiology	2.30	70	30	100	4	4
Paper-II	ZOOCC-302	Immunology and Endocrinology	2.30	70	30	100	4	4
Paper-III	ZOOCC-303	Advance Techniques in Zoology	2.30	70	30	100	4	4
Paper-IV	ZOOCC-304	Developmental Biology and Evolution	2.30	70	30	100	4	4
Practical Paper-I	ZOOPR-301	Animal Physiology, Immunology and Endocrinology	3/4	75		75	6	3
Practical Paper-II	ZOOPR-302	Advance Techniques in Zoology, Developmental Biology and Evolution	3/4	75		75	6	3
Elective Course	ZOOEC -301 OR ZOOEC -302 OR ZOOEC -303	Wildlife and Conservation Biology- 3 Fisheries and Aquaculture -3 Environmentally Sound Technologies-3	2.00	35	15	50	2	2
Total				480	120	600	30	24

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Course	Paper code	Paper title	Exam duration (Hours)	External marks	Internal marks	Total marks	Teaching hours per week	Credit points
Paper-I	ZOOCC-401	Animal Behaviour	2.30	70	30	100	4	4
Paper-II	ZOOCC-402	Histology, Histochemistry and Parasitology	2.30	70	30	100	4	4
Paper-III	ZOOCC-403	Entomology	2.30	70	30	100	4	4
Paper-IV	ZOOCC-404	Toxicology and Environmental Biology	2.30	70	30	100	4	- 4
Practical Paper-I	ZOOPR-401	Animal Behaviour, Histology, Histochemistry and Parasitology	3/4	75		75	6	3
Practical Paper-II	ZOOPR-402	Entomology, Toxicology and Environmental Biology	3/4	75		75	6	3
Elective Course	ZOOEC-401 OR ZOOEC-402 OR ZOOEC-403	Wildlife and Conservation Biology - 4 Fisheries and Aquaculture-4 Environmentally Sound Technologies-4	2.00	35	15	50	2	2
Total				480	120	600	30	24

M. Sc. Semester IV

OR

Course	code	Internal	Internal evaluation (200 marks)		External evaluation (400 marks)				
		Mid-term presentation	Mid-term progress report	Attendance	Thesis	presentation	Viva-voce	Soft skill paper	Total
Dissertation	MSZOO- DI-401	50	100	50	200	50	100	50	600

*Mid- term progress report mid-term progress report should contain introduction, review of literature, methodology of dissertation work and obtained results till date.





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Sein.	Costse	Interaction	Dutation		Marks	ē	Credi
		(hm/week)	of Hum(brs)	Internal	External	Total	
SemI	Cont Paper-1	A :	7.30	30	70	100	4
	Core Paper-II	- 4	2.30	30	70	100	- 4
	Core Paper-III	(4)	2.30	-30	70	100	- 4
	Core papers IV	4	2.30	30	70	100	4
	Elective disciplining/Interdisciplinary Paper-I	2	2.00	15	35	50	- 2
	Practical (Based on core paper 1 & II, III & IV)		1035X2 dryn)	1.2	150	150	6
	Total	24		135	465	600	-24
SemII	Com Paper-V	.4	2.30	30	70	300	-4
	Core paper-VI	4	7.30	-30	70	100	- 4
	Core paper-VII	- 4	2.30	- 30	10	100	- 4
	Core Paper-VIII	(4)	2.30	30	79	100	- :4
	Elective disciplinary/Interdisciplinary Paper-II	2	2.00	15	25	50	2
	Practical (Based on con pager- V&VI.VII&VIII)	6	10 (5X2 days)		150	150	6
	Total	24		135	465	600	24
SemIII	Core Paper-IX	4	2.30	-30	70	100	.4
	Core paper-X	4	2.30	30	70	100	- (4
	Core paper-XI	4	2.30	-30;	.70	100	- 4
	Core paper-Xii	4	1.30	30	70	100	-4
	Elective disciplinary/Intentiveiplinary Paper-III	2	2.00	15	15	50	2
	Practical (Based on core paper- IX & X, XI & XII)	6	10(5X2daya)	12	150	150	6
	Total	24		135	465	600	24
Sem. IV	Core Paper-XIII	4	2.30	30	70	100	- 4
	Core Paper-XIV		2.30	-30;	.70	100	- 4
	Core Paper-XV	4	2.30	30	70	100	-4
	Com Paper-XVI	4	2.30	-30	76	100	.4
	Elective disciplinary/bitentisciplinary Puper-IV	2	2.00	15	35	30	2
	Practical (Based on core paper-)	6	10 (5X2 days)	1	150	150	6
	Total	24	- 10 - 1401	135	465.	600	24
		OR				-	
Sem-IV	Core Paper-XIII	4	2.30	30	70	100	- 4
	Core Paper-XIV	-4	2.30	-30	:70	100	- 4
	Core Paper-XV	4	2.30	30	70	100	-4
	Miner Disortation	12	10 (5X2 days)		200	310	12
	Total		24	90	510	600	24
		OR	E1				
Sem-IV	Major Dimentation	24	15 (5X3 days)		600	600	-24
S. 5010.075	Total	24	Contraction of the second second		600	600	24

Proposed Details of Course pattern and scheme of examination



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Vc. Registrar Hemchandracharya North Gujarat University PATAN

SYLLABUS OF M.Sc. SEM I BOTANY SUBJECT (effect from June 2021)

programme Outline

Introduction: The Post Graduate Diploma in medical laboratory technology is professional programme with opportunities in Various Government & Private Health sector, Pharm Industry, Clinical Research organization.

Eligibility : Graduate in any Life sciences subject and chemistry

Admission : Strictly on merit basis(95% seats reserved for students of H. N. G. University & 05% seats for Universities other than H. N. G. University)

Terms : June to Nov. & Dec. to April (Semester and CBCS System)

Examination Pattern

		Paper	Paper Name Exte		ing sch	eme			
Sem	Paper Code	Type			nal	Internal		Credit	Tota
				The	Pra	The	Pra		1
1	PGDMT101CC	cc	Introduction to Profession and Hematology	70		30		4	100
1	PGDMT102CC	сс	Introduction to Human body and Clinical Pathology	70		30		4	100
1	PGDMT103CC	cc	Clinical Biochemistry	70		30		4	100
1	PGDMT101PR	PR	Lab I (Practicals based upon 101 to 103 paper)		150			6	150
1	PGDMT101ES	ES	Advances in TB, HIV and Malaria diagnostic	50				2	50
2	PGDMT201CC	cc	Serology and histopathology	70		30		4	100
2	PGDMT202CC	cc	Advance diagnostic techniques	70		30		4	100
2	PGDMT203CC	cc	Clinical Microbiology	70		30	_	4	100
2	PGDMT201PR	PR	Practicals based upon 201 to 203 paper		150			6	150
2	PGDMT201ES	ES		50				2 ed on the	50 honic

Internal exam: Marks for internal assessment only for core theory papers shall be award attendance/regularity/punctuality, seminars, Poster presentations, viva-voce, field work/library work/academic tour, MCQ's teste

MCQ's tests, quiz competitions, assignments etc.

Passing Standard: 40 %

Class and Grade: Class and Grade as per the HNGU university common rules and regulation

હેમચંન્દ્રાચાર્ય ઉત્તર ગુજરાત યુનિવર્સિટી,પાટણ

પી.જી.ડીપ્લોમા ઈન યોગ એજયુકેશન– P.G.D.Y.ED સેમેસ્ટર–૧

(અ) <u>સૈધ્ધાંતિક (થીયરી) વિભાગ</u> :

ક્રમ	વિષય કોડ	વિષય નામ	કરિર્દ્ધ	અધ્યાપન કલાક/અઠવાડીયું	આંતરિક ગુણ	બાહ્ય ગુણ	કુલ ગુણ
۹.	P.G.D.Y.ED 101	યોગ વિજ્ઞાન–૧	8	3 +9 =8	30	90	100
ર.	P.G.D.Y.ED 102	યોગ અને શરીર રચના ક્રિયા વિજ્ઞાન	8	3 + f = S	30	90	100
З.	P.G.D.Y.ED 103	યોગ માનસિક સ્વાસ્થય અને માનસોપચાર	8	3 +8 =X	30	90	100
х.	P.G.D.Y.ED 104	યોગ અને આયુર્વેદોપચાર	8	3 +૧ =૪	30	90	100
		ઈલેકટીવ (ગ	ામે તે એ	s)	0		-
ч,	P.G.D.Y.ED 105	૧.વ્યકિતત્વ વિકાસ અથવા	8	3 +૧ =૪	30	90	100
		ર.રમત વિજ્ઞાન	8	3 +9 =8	30	90	100
	6	લ	20	૧૫ +૫ =૨૦	140	340	400

(બ) <u>પ્રાયોગિક-કૌશલ્ય વિભાગ</u> :

ક્રમ	વિષય કોડ	કૌશલ્ય જૂથ	ક્રોફિટ	અધ્યાપન કલાક/અઠવાડીયું	આંતરિક ગુણ	બાહ્ય ગુણ	કુલ ગુણ
٩	P.G.D.Y.ED 106	૧.સૂર્યનમસ્કાર અને આસનો	8	3+4 =X	50	60	100
		૨. પ્રાણાયામ, બંધ મુદ્રા ષટકર્મ	ર	3	૧૦	80	40
		૩.કર્મયોગ	ર	્યુ	10	80	40
	કુલ	U	6	0+9 =C	80	950	200



Time

હેમચંન્દ્રાચાર્ય ઉત્તર ગુજરાત યુનિવર્સિટી,પાટણ

ડિપ્લોમા ઈન યોગ એજયુકેશન− P.G.D.Y.ED સેમેસ્ટર−૨

(અ) <u>સૈધ્ધાંતિક (થીયરી) વિભાગ :</u>

ક્રમ	વિષય કોડ	વિષય નામ	કરિક્ર	અધ્યાપન કલાક/અઠવાડીયું	આંતરિક ગુણ	બાહ્ય ગુણ	કુલ ગુણ
۹.	P.G.D.Y.ED 201	યોગ વિજ્ઞાન-૨	8	ડ +૧ =૪	30	90	100
ર.	P.G.D.Y.ED 202	યોગ અને આરોગ્ય વિજ્ઞાન	8	3 +૧ =૪	30	90	100
З.	P.G.D.Y.ED 203	નિરાગોંપચાર એક્યુપ્રેશર અને પ્રાથમિક સારવાર	8	3+1 =8	30	90	100
γ,	P.G.D.Y.ED 204	યોગ શિક્ષણમાં પધ્ધતિઓ અને મેનેજમેન્ટ	8	3+1 =2	30	90	100
		ઈલેકટીવ	ંગમે તે ર	નેક)	· · · · ·		
પ,	P.G.D.Y.ED 205	૧.યુવા અને સામાજીક કલ્યાણ અથવા	8	3 +૧ =૪	30	90	100
		ર.પર્યાવરણ અને આપત્તિ વ્યવસ્થાપન	8	3 +૧ =૪	30	90	100
		કુલ	50	૧૫ +૫ =૨૦	૧૫૦	૩૫૦	400

(બ) <u>પ્રાયોગિક- પાઠ આયોજન</u>ઃ

ક્રમ	વિષય કોડ	પાઠ આયોજન જૂથ	કર્શિક	અધ્યાપન કલાક/અઠવાડીયું	આંતરિક ગુણ	બાહ્ય ગુણ	કુલ ગુણ
٩	P.G.D.Y.ED 206	૧.આસન	8	ડ +૧ =૪	30	૭૫	104
		૨. ષ્ટકર્મ, પ્રાણાયામ,બંધમુદા	8	ર	20	૭૫	૯૫
		કુલ	6		40	૧૫૦	200

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M.Sc. Electronics - SEMESTER - I Syllabus (CBCS Pattern)

(Effective from June 2018)

	Paper Code	Paper	Paper Name	M	arking	scher	ne			
Sem		Туре		Exte	rnal	Internal		Credit	Total	Remarks
		0.00		The	Pra	The	Pra			
1	MSELE101CC	сс	MATHEMATICAL PHYSICS- 1 AND "C" PROGRAMMING-1	70		30		4	100	
1	MSELE102CC	сс	SOLID STATE PHYSICS-1 AND ELECTRODYNAMICS-1	70		30		4	100	
1	MSELE103CC	сс	DIGITAL ELECTRONICS CONCEPT	70		30		4	100	
1	MSELE104CC	cc	BASIC ELECTRONICS -1	70		30		4	100	
1		PRACT			50			2	50	
1		PRACT			50			2	50	
1		Project			50			2	50	
1	MSELE101ES	ES	SPACE PHYSICS	50				2	50	Any one
1	MSELE102ES	ES	ENERGY TECHNOLOGY AND STORAGE SYSTEMS (ETS)	50				2	50	from Two ES PAPER



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M.Sc. Electronics - SEMESTER - II Syllabus (CBCS Pattern) (Effective from June 2018)

Sem	Paper Code	Paper Type	Paper Name	м	Marking scheme				Total	Remarks
		11110-00-00-00		External		Internal		Credit		
				The	Pra	The	Pra	Í		
2	MSELE201CC	сс	COMMUNICATION-I AND "C" PROGRAMMING-2	70		30		4	100	
2	MSELE202CC	CC	TRANSDUCER, POWER SUPPLY AND COMPUTER-1	70		30		4	100	
2	MSELE203CC	cc	OPAMP, ACTIVE FILTERS, PLL AND ADVANCE DIGITAL ELECTRONICS	70		30		4	100	
2	MSELE204CC	CC	MICROPROCESSOR-8085	70		30		4	100	
2		PRACT			50			2	50	
2		PRACT			50			2	50	
2		Project			50			2	50	
2	MSELE201ES	ES	APPLICATION OF COMPUTER	50				2	50	Any one from
2	MSELE202ES	ES	SYNTHESIS OF MATERIALS	50				2	50	Two ES PAPER

MSELE201CC: COMMUNICATION-I AND "C" PROGRAMMING-2

Unit-1:

Modulation:

Amplitude modulation, Frequency modulation and Phase modulation

Methods of Amplitude Modulation

Transistor modulators- (Collector modulation, Base modulation, push-pull modulation and class C stage, FET drain modulator) FET square modulation, Balanced modulator, single side

band (S.S.B.) generation

Demodulation



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M.Sc. Electronics - SEMESTER - III Syllabus (CBCS Pattern) (Effective from June 2018)

Sem	Paper Code	Paper Type	Paper Name	Marking scheme						
		1.545		External		Internal		Credit	Total	Remarks
				The	Pra	The	Pra			
3	MSELE301CC	20	COMPUTER-2 AND INSTRUMENTS	70		30		4	100	
3	MSELE302CC	00	MICROPROCESSOR PERIPHERALS AND ADVANCE MICROPROCESSORS	70		30		4	100	
3	MSELE303CC	20	COMMUNICATION- II	70		30		4	100	
3	MSELE304CC	œ	DIGITAL COMMUNICATION, REMOTE SENSING AND POWER ELECTRONICS	70		30		4	100	
3		PRACT			50			2	50	
3		PRACT			50			2	50	
3		Project			50			2	50	
3	MSELE301ES	ES	RESEARCH METHODOLOGY	50				2	50	Any one from
3	MSELE302ES	ES	PROGRAMMING IN C++	50				2	50	Two ES PAPER

MSELE301CC : COMPUTER-2 AND INSTRUMENTS

UNIT-I

MICRO-SOFT EXCEL :

Introduction to spreadsheets, Use of spreadsheets, spreadsheets basics, Labels, Values and Functions, Formula, Functions, What-if analysis, Automatic recordination formatting spreadsheet, graphs.

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M.Sc. Electronics - SEMESTER - IV Syllabus (CBCS Pattern)

(Effective from June 2018)

Sem	Paper Code	Paper	Paper Name	Ma	rking s	chem	e			
		Туре		External		Internal		Credit	Total	Remarks
		120405-1711		The	Pra	The	Pra	1		
4	MSELE401CC	CC	BIOPHYSICS AND BIOMEDICAL INSTRUMENTATION	70		30		4	100	
4	MSELE402CC	сс	Microwave Electronics	70		30		4	100	
4	MSELE403CC	CC	Microcontroller	70		30		4	100	
4		PROJECT	Major Project/Dissertation	210		90		12	300	

MSELE401CC: BIOPHYSICS AND BIOMEDICAL INSTRUMENTATION

UNIT-1:

Physiological Instrumentation:

Introduction to Anatomy and Physiology of human body; Measurement systems; Transducers; Biopotentials; Blood pressure measurement; Bioelectric signals measurements : ECG, EMG, EOG & ERG

Bioelectronics and Biosensors :

Principles and application of Bioelectronics and Biosensors ; Impact of Electronics on Man and Biosphere

UNIT-2:

Imaging Technology:

Imaging Fundamentals and Mathematics; Projection X radiography; Computerized tomography; Gamma camera; Nuclear magnetic resonance imaging; Ultrasound imaging; Doppler ultrasound, CT Scan

Medical Laboratory Instruments :

Blood - blood tests - colorimeter - flame photometer- blood cell counter pH/ blood gas; analyzer - chromatography - hem dialysis and machine

UNIT-3

Separation Techniques:

Introduction, Chromatography, Column chromatography, Thin layer chromatography, Paper chromatography, Adsorption chromatography, Partition chromatography Gas liquid chromatography (GLC), Ion exchange chromatography, Molecular exclusion chromatography, I/C Registrar

Affinity chromatography

POTES

Hemchandracharya North Gujarat University PATAN

Hemchandracharya North Gujarat University, Patan. M.Sc. (Chemistry) (WEF June: 2019). <u>Semester End Examination</u>

Semester - I

Work Load	Paper No.	Subject	External Marks	Internal Marks	Credit
60 Hrs.	CHNN-401	Inorganic Chemistry	70	30	4
,60 Hrs.	CHNN-402	Organie Chemistry	70	30	4
60 Hrs.	CHNN-403	Physical Chemistry	70	30	4 -
60 Hrs.	CHNN-404	Symmetry, GroupTheory& Spectroscopy	70	30	4
_30 Hrs	CHNN-405 A	Computers for Chemists	35	15	2
-30 Hrs	CHNN-405 B	Computational Chemistry	35	15	2
_30 Hrs	CHNN-405 C	Organic Spectroscopy	35	15	2
90 Hrs.	CHNN-406	Practical I		4 = 1 = 0.	3
90 Hrs.	CHNN-407	Practical II	323274		3
	Total -			135	24

*EachCHNN-406andCHNN-407includes30marksofvivainthetotalof150marksof viva voceexamination. (Details as shown in 15.)

Working per semester minimum 90 days (15weeks)



I/c, Registrar Heinchandracharya North Gujarat University PATAN

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Hemchandracharya North Gujarat University, Patan. M.Sc. (Chemistry) (WEF June: 2019) <u>Semester End Examination</u>

Work Load	Paper No.	Subject	External Marks	Internal Marks	Credit
60 Hrs.	CHNN-501	Inorganie Chemistry	70	30	4
60 Hrs.	CHNN-502	Organic Chemistry	70	30	4
60 Hrs.	CHNN-503	Physical Chemistry	70	30	4
60 Hrs.	CHNN-504	Spectroscopy - part II	70	30	4
30 Hrs	CHNN-505 A	Organotransition MetalChemistry	35	15	2 0
30 Hrs	CHNN-505 B	Bioinorganic and SupramolecularChemistry.	35	15	2 .
90 Hrs.	CHNN-506	Practical 1			3
90 Hrs.	CHNN-507	Practical II		-	3
- Total			480	120	24

*EachCHNN-506andCHNN-507includes30marksofvivainthetotalof150marksof viva voceexamination (Details as shown in 15.) Working per semester minimum 90 days (15weeks)



Vc. Registrar Hemchandracharya North Gujarat University PATAN

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Hemchandrcharya North Gujarat University Patan M.Sc. (Chemistry) (WEF June: 2020) Semester-III

Work Load	Paper No.	Subject	External Marks	Internal Marks	Cre dit
60 Hrs.	CHNN-601-(I)	Inorganic Spectroscopy Paper-I	70	30	- 4
60 Hrs.	CHNN-602-(I)	Inorganic Chemistry Paper-II	70	30	4
60 Hrs	CHNN-603-(I)	Inorganic Chemistry Paper-III (Corrosion) or Coordination Chemistry	70	30	4
60 Hrs.	CHNN-604-(I)	Inorganic Pharmaceutical and Medicinal Chemistry	70	30	4
30 Hrs.	CHNN-605A-(I)	Environmental Chemistry	35	15	2
30 Hrs.	CHNN-605B-(I)	Smart & Nanomaterials	35	15	2
90 Hrs.	CHNN-606- (I)	Practical- I	75	-	3
90 Hrs.	CHNN-607- (I)	Practical- II	75		3
	To	tal	465	135	24

Working per semester minimum 90 days(15 weeks)



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Hemchandracharya North Gujarat University Patan M.Sc. (Organic Chemistry) (WEF June: 2020) M.Sc. Semester-III

Work Load	Paper No Course Code	Course Title Subject	External Marks	Internal Marks	Credits
60 Hrs.	CHNN-601-(O)	Natural Products	70	30	4
60 Hrs. CHNN-602-(O)		Industrial Organic Chemistry	70	30	4
60 Hrs.	CHNN-603-(O)	Synthetic Drugs	70	30	4
60 Hrs.	CHNN-604-(O)	Selected Topics In Organic Chemistry	70	30	4
30 Hrs.	CHNN-605A- (O)	Green Chemistry	35	15	2
30 Hrs.	CHNN-605B- (O)	Photo Chemistry	35	15	2
90 Hrs.	CHNN-606-(O) Practicals	Organic Chemistry	75	(etc.)	3
90 Hrs.	CHNN-607-(O) Practicals	Organic Chemistry	75		3
		Total	465	135	24

Working per semester minimum 90 days (15 weeks)



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Hemchandracharya North Gujarat University, Patan M.Sc. (Physical Chemistry) (New Syllabus WEF June:2020) M.Sc. Semester-III

Work Load	Paper No Course Code	Course Title Subject	External Marks	Internal Marks	Credits
60 Hrs.	CHNN-601-(P)	Physical Chemistry	70	30	4
60 Hrs.	CHNN-602-(P)	Physical Chemistry	70	30	(4)
60 Hrs.	CHNN-603-(P)	Physical Chemistry	70	30	4
60 Hrs.	CHNN-604-(P)	Physical Chemistry	70	30	4
30 Hrs.	CHNN-605A-(P) (SE)	Physical Chemistry	35	15	2
30 Hrs.	CHINN-605B-(P) (SE)	Physical Chemistry	35	15	2
90 Hrs.	CHINN-606-(P) Practicals	Physical Chemistry	75	1 *******	3
90 Hrs.	CHNN-607-(P) Practical	Physical Chemistry	75	5 selles (i	3
		Total	465	135	24

> Working per semester minimum 90 days (15 weeks).



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Work Load	Paper No.	Subject	External Marks	Internal Marks	Credit
60 Hrs.	CHNN-701-(I)	Inorganic Chemistry Paper-I	70	30	4
60 Hrs.	CHNN-702- (I)	Inorganic Chemistry Paper-II	70	30	4
60 Hrs.	CHNN-703- (I)	Corrosion Or Co-ordination Chemistry	70	30	4
60 Hrs.	CHNN-704- (I)	Applications of Inorganic Chemistry in Industries	70	30	4
30 Hrs.	CHNN+705A- (I)	Fundamentals and Safety in Chemistry Lab	35	15	2
30 Hrs.	CHNN-705B- (I)	Bioinorganic Chemistry	35	15	2
90 Hrs.	CHNN-706- (I)	Practical- I	75		3
90 Hrs.	CHNN-707-(I)	Practical- II	75	(and the second se	3
		Total	465	135	24

Hemchandrcharya North Gujarat University Patan M.Sc. (Inorganic Chemistry) (WEF June:2020)

> Working per semester minimum 90 days (15 weeks).



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Hemchandracharya North Gujarat University Patan M.Sc. (Organic Chemistry) (WEF June: 2020) M.Sc. Semester-IV

Work Load	Paper No Course Code	Subject Course Title	External Marks	Internal Marks	Credits
60 Hrs.	CHNN-701-(O)	Natural & Stereo Chemistry	70	30	4
60 Hrs.	CHNN-702-(O)	Industrial Organic Chemistry	70	30	4
60 Hrs.	CHNN-703-(O)	Synthetic Drugs	70	30	4
60 Hrs.	CHNN-704-(O)	Selected Topic In Chemistry	70	30	4
30 Hrs.	CHNN-705A- (O)	Disconnection Approach	35	15	2
30 Hrs.	CHNN-705B-(O)	Chemical Toxicology & Solid Waste	35	15	2
90 Hrs.	CHNN-706(O) A Practicals	Organic Chemistry	75		3
90 Hrs.	CHNN-706(O) B Practicals	Organic Chemistry	75	1. 3.3 1.3.3 3.3 .	3
		Total	465	135	24

> Working per semester minimum 90 days (15 weeks).



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Hemchandracharya North Gujarat University Patan M.Sc. (Physical Chemistry) (New Syllabus WEF June: 2020) M.Sc Semester-IV

Work Load	Paper No	Subject	External Marks	Internal Marks	Credits
60 Hrs.	CHNN-701-(P)	Physical Chemistry	70	30	4
60 Hrs.	CHNN-702-(P)	Physical Chemistry	70	30	4
60 Hrs.	CHNN-703-(P)	Physical Chemistry	70	30	4
60 Hrs.	CHNN-704-(P)	Physical Chemistry	70	30	4
30 Hrs.	CHNN-705A-(P)	Physical Chemistry	35	15	2
30 Hrs.	CHNN-705B-(P)	Physical Chemistry	35	15	2
90 Hrs.	CHNN-706-(P) Practicals	Physical Chemistry	75) 	3
90 Hrs	CHNN-707-(P) Practicals	Physical Chemistry	75		3
		Total	465	135	24

> Working per semester minimum 90 days (15 weeks).



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ANNEXURE: I

PROGRAMME OF STUDIES LEADING TO THE DEGREE OF MASTER OF HOSPITAL MANAGMENT

FIRST YEAR		SEMESTER - I	
Sr.No.	Course Code	Course Title	Credits
1.	HM101	Healthcare Environment & Policies	3
2	HM102	Principles of Management	3
3.	HM103	Organizational Behavior	3
4.	HM104	Accounting for Hospitals	3
4. 5.	HM105	Health Economics: Managerial Aspects	3
Ó.	HM106	Communication Skills	3
7.	HM107	Computer Applications in Hospital Administration	3
8.	HM108	Epidemiology and Demography	3
8. 9.	HM109	Hospital Visits Orientation	3
		Total	27

*Hospital Visits: Students shall be taken on a visit to a minimum of 3 Hospitals of different category, Govt. Hospital, Trust Hospital, Single specialty Hospital, and Corporate Hospitals and spend around 50 hours which includes the visit time and the report writing time and presentations of the visits. Evaluation will be based on the attendance, reports and presentations by the students. At least two of the Hospital should have more than 100 beds. It will remain compulsory requirement to every students to visit hospitals as per above, otherwise the student would not be taken to 2nd Year.

FIRST YEAR ----- SEMESTER - II

Sr.No	. Course Code	Course Title	Credits
1.	HM110	Marketing of Hospital Services	3
2	HM111	Financial Management for Hospital Administration	3
3.	HM112	Human Resources Management in Hospitals	3
4	HM113	Statistics/Biostatistics for Hospital Management	3
5.	HM114	Purchase Management & Inventory control	3
б.	HM115	Research Methods for Hospital	3
7.	HM116	Quality Management, Accreditation & Legal Aspects	3
8.	HM117	Health Law and Ethics	3
9.	HM118	Know Your Hospital	3
		Total	27



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I/c. Registrar Hemchandracharya North Gujarat University

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SYLLABUS EFFECTIVE FROM JUNE-2018- MASTER OF HOSPITAL MANAGEMENT. H.N.G.UNIVERSITY, PATAN.

Amexum-1.2.11

ANNEXURE: I

PROGRAMME OF STUDIES LEADING TO THE DEGREE OF MASTER OF HOSPITAL MANAGMENT

FIRST YEAR		SEMESTER - I	
Sr.No.	Course Code	Course Title	Credits
1.	HM101	Healthcare Environment & Policies	3
2	HM102	Principles of Management	3
3.	HM103	Organizational Behavior	3
4.	HM104	Accounting for Hospitals	3
4. 5.	HM105	Health Economics: Managerial Aspects	3
Ó.	HM106	Communication Skills	3
7.	HM107	Computer Applications in Hospital Administration	3
8.	HM108	Epidemiology and Demography	3
8. 9.	HM109	Hospital Visits Orientation	3
		Total	27

*Hospital Visits: Students shall be taken on a visit to a minimum of 3 Hospitals of different category, Govt. Hospital, Trust Hospital, Single specialty Hospital, and Corporate Hospitals and spend around 50 hours which includes the visit time and the report writing time and presentations of the visits. Evaluation will be based on the attendance, reports and presentations by the students. At least two of the Hospital should have more than 100 beds. It will remain compulsory requirement to every students to visit hospitals as per above, otherwise the student would not be taken to 2nd Year.

FIRST YEAR ----- SEMESTER - II

Sr.No	. Course Code	Course Title	Credits
1.	HM110	Marketing of Hospital Services	3
2	HM111	Financial Management for Hospital Administration	3
3.	HM112	Human Resources Management in Hospitals	3
4	HM113	Statistics/Biostatistics for Hospital Management	3
5.	HM114	Purchase Management & Inventory control	3
б.	HM115	Research Methods for Hospital	3
7.	HM116	Quality Management, Accreditation & Legal Aspects	3
8.	HM117	Health Law and Ethics	3
9.	HM118	Know Your Hospital	3
		Total	27



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I/c. Registrar Hemchandracharya North Gujarat University

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SYLLABUS EFFECTIVE FROM JUNE-2018- MASTER OF HOSPITAL MANAGEMENT. H.N.G.UNIVERSITY, PATAN.

Amexum-1.2.11

SECOND YEAR ----- SEMESTER - III Sr.No. Course Code Course Title Credits Strategic Management for Hospitals 3 1. HM201:

 HM201
 Strategic Intalagement for Hospitals

 HM202:
 Strategic Cost Management for Hospitals

 HM203:
 Management of Clinical and Nursing Servi

 HM204:
 Hospital Support Services

 HM205:
 Risk & Disaster Management

 HM206:
 Health Insurance & Services

 2. 3 Management of Clinical and Nursing Services 3. 3 4. 3 3 5. HM206: Health Insurance & Services HM207: Hospital Information System HM208: Hospital Facilities Planning & Management HM209: Summer Project Report and Viva-Voce 3 5. 7. 3 8. 3

Total Credit 27

SECOND YEAR ----- SEMESTER - IV

Amexum-1 & 11

9

Sr.No. Course Code Course Title			Credits
1.	HM210:	Dissertation with Viva-Voce (Minor Project)	06
2.	HM211:	Dissertation with Viva-Voce (Major Project)	12

Total Credit 18

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SECOND YEAR ----- SEMESTER - III Sr.No. Course Code Course Title Credits Strategic Management for Hospitals 3 1. HM201:

 HM201
 Strategic Intalagement for Hospitals

 HM202:
 Strategic Cost Management for Hospitals

 HM203:
 Management of Clinical and Nursing Servi

 HM204:
 Hospital Support Services

 HM205:
 Risk & Disaster Management

 HM206:
 Health Insurance & Services

 2. 3 Management of Clinical and Nursing Services 3. 3 4. 3 3 5. HM206: Health Insurance & Services HM207: Hospital Information System HM208: Hospital Facilities Planning & Management HM209: Summer Project Report and Viva-Voce 3 5. 7. 3 8. 3

Total Credit 27

SECOND YEAR ----- SEMESTER - IV

Amexum-1 & 11

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Sr.No. Course Code Course Title			Credits
1.	HM210:	Dissertation with Viva-Voce (Minor Project)	06
2.	HM211:	Dissertation with Viva-Voce (Major Project)	12

Total Credit 18

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