



चौ० चरण सिंह विश्वविद्यालय, मेरठ
Ch. Charan Singh University, Meerut

पत्रांक : परीक्षा / 8347
दिनांक : 14.12.2023

संशोधन

15

सेवा में,

समस्त विभागाध्यक्ष/निदेशक/समन्वयक,
चौधरी चरण सिंह विश्वविद्यालय परिसर,
मेरठ।

विषय: विश्वविद्यालय परिसर में NEP-2020 के अन्तर्गत संचालित स्नातक पाठ्यक्रमों (M.A./M.Sc.) की विषय कोड पुस्तिका के सम्बन्ध में।

महोदय/महोदया,

केवल विश्वविद्यालय परिसर में NEP-2020 के अन्तर्गत संचालित परास्नातक पाठ्यक्रमों (M.A./M.Sc.) के प्रथम सेमेस्टर से चतुर्थ सेमेस्टर तक मेजर, माईनर तथा रिसर्च प्रोजेक्ट विषय तथा उनके कोड इस पत्र के साथ संलग्न हैं।

यदि किसी स्तर पर कोई त्रुटि संज्ञान में आती है तो तत्काल अधोहस्ताक्षरी को सूचित करने का कष्ट करें।

अवगत कराना है कि महाविद्यालयों में वर्तमान में परास्नातक पाठ्यक्रम NEP-2020 के अन्तर्गत संचालित नहीं है।

संलग्नक : उपरोक्तानुसार।

भवदीय,

परीक्षा नियंत्रक

प्रतिलिपि निम्नलिखित को सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित -

1. सचिव कुलपति को मा० कुलपति जी के सूचनार्थ।
2. वैयक्तिक सहायक, निदेशक (अकादमिक) को निदेशक (अकादमिक) जी के सूचनार्थ।
3. वैयक्तिक सहायक, कुलसचिव को कुलसचिव जी के सूचनार्थ।
4. वैयक्तिक सहायक, परीक्षा नियंत्रक को परीक्षा नियंत्रक जी के सूचनार्थ।
5. उप कुलसचिव/सहा० कुलसचिव (गोपनीय/परीक्षा)।
6. सहा० कुलसचिव (सामान्य) को सूचनार्थ एवं आवश्यक कार्यवाही हेतु।
7. प्रभारी-अति गोपनीय विभाग/कमैटी सैल/परीक्षा।
8. प्रभारी-कम्प्यूटर सेन्टर/वेबसाइट को सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित।
9. समस्त पटल प्रभारी, परीक्षा विभाग।
10. विश्वविद्यालय पूछताछ केन्द्र।
11. विश्वविद्यालय प्रेस प्रवक्ता।
12. रिकार्ड प्रभारी (परीक्षा) को संरक्षित किये जाने एवं आवश्यक कार्यवाही हेतु प्रेषित।
13. विश्वविद्यालय द्वारा अधिकृत एजेन्सी को सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित।
14. समस्त समन्वयक-पाठ्य समिति, चौ० चरण सिंह विश्वविद्यालय, मेरठ।

सहा० कुलसचिव (परीक्षा)

Table - Year-wise Structure of UG/PG Programs

Blue Colour: No. of papers

Red colour: Credits Purple colour: Non-Credit Qualifying Courses

Year	Sem.	Subject I	Subject II	Subject III	Subject IV	Vocational	Co-Curricular	Industrial Training/ Survey / Research Project	{ Minimum Credits } For the year	{Cumulative Minimum Credits} Required for Award of Certificate/ Diploma/ Degree
		Major	Major	Major	Minor Elective	Minor	Minor	Major		
		4/5/6 Credits	4/5/6 Credits	4/5/6 Credits	4/5/6 Credits	3 Credits	2 Credits	4 Credits		
		Own Faculty	Own Faculty	Own/ Other Faculty	Other Faculty	Vocational/ Skill Development Course	Co-Curricular Course (Qualifying)	Inter/Intra Faculty related to main Subject		
1	I	Th-1(6) or Th-1(4)+ Pract-1(2)	Th-1(6) or Th-1(4)+ Pract-1(2)	Th-1(6) or Th-1(4)+ Pract-1(2)	1 (4/5/6)	1	1		46	{46} Certificate in Faculty
	II	Th-1(6) or Th-1(4)+ Pract-1(2)	Th-1(6) or Th-1(4)+ Pract-1(2)	Th-1(6) or Th-1(4)+ Pract-1(2)		1	1			
2	III	Th-1(6) or Th-1(4)+ Pract-1(2)	Th-1(6) or Th-1(4)+ Pract-1(2)	Th-1(6) or Th-1(4)+ Pract-1(2)	1 (4/5/6)	1	1		46	{92} Diploma in Faculty
	IV	Th-1(6) or Th-1(4)+ Pract-1(2)	Th-1(6) or Th-1(4)+ Pract-1(2)	Th-1(6) or Th-1(4)+ Pract-1(2)		1	1			
3	V	Th-2(5) or Th-2(4)+ Pract-1(2)	Th-2(5) or Th-2(4)+ Pract-1(2)				1	1 (Qualifying)	40	{132} Bachelor in Faculty
	VI	Th-2(5) or Th-2(4)+ Pract-1(2)	Th-2(5) or Th-2(4)+ Pract-1(2)				1	1 (Qualifying)		
4	VII	Th-4(5) or Th-4(4)+ Pract-1(4)			1 (4/5/6)			1 (4)	52	{184} Bachelor (Research) in Faculty
	VIII	Th-4(5) or Th-4(4)+ Pract-1(4)						1 (4)		
5	IX	Th-4(5) or Th-4(4)+ Pract-1(4)						1 (4)	48	{232} Master in Faculty
	X	Th-4(5) or Th-4(4)+ Pract-1(4)						1 (4)		
6	XI	2 (6)	1 Research (4) Methodology					1 (Qualifying)	16	{248} PGDR in Subject Ph.D. in Subject
6,7,8	XII-XVI							Ph. D. Thesis		

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C.C.S. University, Meerut

Campus PG NEP Exam Code List – (2023-24)

(COURSE START 2022-23)

Tables for Subject codes in Each Faculty

Arts	Science	Commerce	Agriculture	Education	Management	Law	Co-curricular	Vocational
A	B	C	D	E	F	G	Z	V

Faculty Code: A

Faculty: Arts

Sr. No.	Subject/Program	Program	Subject Code
1	Hindi (w.e.f. 2022-23 in NEP)	M.A.	01
2	Sanskrit (SF) (w.e.f. 2022-23 in NEP)	M.A.	02
3	Urdu (w.e.f. 2022-23 in NEP)	M.A.	03
4	English (w.e.f. 2022-23 in NEP)	M.A.	04
5	History / Ancient History(SF) (w.e.f. 2022-23 in NEP)	M.A.	05/ 05A
6	Political Science (w.e.f. 2022-23 in NEP)	M.A.	06
7	Sociology (w.e.f. 2022-23 in NEP)	M.A.	07
8	Economics (w.e.f. 2022-23 in NEP)	M.A.	08
9	Psychology (w.e.f. 2022-23 in NEP)	M.A.	09
10			
11	Geography (SF) (w.e.f. 2022-23 in NEP)	M.A.	11
12			
13			
14	Social Work(SF) (w.e.f. 2022-23 in NEP)	M.A.	16
15			
16	Public Administration(SF)	M.A.	27

Faculty: Science			Faculty Code: B
Sr. No.	Subject/Program	Program	Subject Code
1	Physics	M. Sc.	01
2	Chemistry	M. Sc.	02
3	Mathematics	M. Sc.	03
4	Botany	M. Sc.	04
5	Zoology	M. Sc.	05
6	Statistics	M. Sc.	06
7	Microbiology	M. Sc.	08
8	Toxicology	M. Sc.	30

Faculty: Commerce			Faculty Code: C
Sr. No.	Subject/Program	Program	Subject Code
1			

Sr. No.	Subject/Program	Program	Subject Code
1	MINOR ELECTIVE	M.A.+M. Sc. +M. Com.	01

NEP MAJOR COURSES FOR M.A./M.SC./M.COM.

(Start Course w.e.f. 2022-23)

A1. HINDI					
Paper Name	Code	Credit	Paper Name	Code	Credit
<u>VII Semester</u>			<u>IX Semester</u>		
I(Th) Hindi Sahitya ka Itihas	A010701T	5	I(Th) Adhunik Kavya (Chhayavad Paryant)	A010901T	5
II(Th) Prachin Evam Poorv Madhyakaleen Kavya	A010702T	5	II(Th) Bhartiya Kavyashastra Evam Pashchatya Kavyashastra	A010902T	5
III(Th) Shod Pravidhi aur Prakriya	A010703T	5	III(Th)a: Kabirdas Or	A010903T	5
IV(Th) Paryojanmulak Hindi	A010704T	5	III(Th)b: Surdas Or	A010904T	5
I(PR) Research Project	A010706R	4	III(Th)c: Goswami Tulsidas Or	A010905T	5
<u>VIII Semester</u>			III(Th)d: Jaishankar Prasad Or	A010906T	5
I(Th) Uttar Madyakaleen Kavya	A010801T	5	III(Th)e: Premchand Or	A010907T	5
II(Th) Katha-Sahitya	A010802T	5	III(Th)f: Sacchinand Hiranand Vatsyayan 'Ageya'	A010908T	5
III(Th) Kathetar Gadh Sahitya	A010803T	5	ELECTIVE: ANY ONE OF A010903T, A010904T, A010905T,		
IV(Th) Bhasha Vigyan Evam Hindi Bhasha	A010804T	5	A010906T, A010907T, A010908T		
I(PR) Research Project	A010806R	4	IV(Th) Patrakarita Parshikshan	A010909T	5
			I(PR) Research Project	A010911R	4
			<u>X Semester</u>		
			I(Th) Chhayavadotar Kavya	A011001T	5
			II(Th) Natak Aur Rungmunch	A011002T	5
			III(Th)a: Bhartiya Sahitya Or	A011003T	5
			III(Th)b: Korvi Lok Sahitya Or	A011004T	5
			III(Th)c: Parvasi Hindi Sahitya Or	A011005T	5
			III(Th)d: (Pracheen Bhasha-Sahitya) Sanskrit Or	A011006T	5
			III(Th)e: (Pracheen Bhasha-Sahitya) Prakrut-apbhransh	A011007T	5
			ELECTIVE: ANY ONE OF A011003T, A011004T, A011005T,		
			A011006T, A011007T		
			IV(Th) Hindi Aalochana	A011008T	5
			I(PR) Research Project	A011010R	4

A2. SANSKRIT

Paper Name	Code	Credit	Paper Name	Code	Credit
<u>VII Semester</u>			<u>IX Semester</u>		
I(Th) Ved, Upnishad Evam Nirukt	A020701T	5	I(Th) Bhartiya Darsan (Vedant Mimansa evam Yog)	A020901T	5
II(Th) Gadh Kavya, Giti kavya Evam Champu Kavya	A020702T	5	II(Th) Vyakaran Evam Bhasha Vigyan	A020902T	5
III(Th) Bhartiya darshan (Nyay-Vashashik Evam Shankhya)	A020703T	5	III(Th) Dhvani Evam Kavya Shastriya Shat Parsathan	A020903T	5
IV(Th) Shod Pravidhi	A020704T	5	IV(Th)a: Vedic Shatiya ka Vishisth Adhyaan Or	A020904T	5
I(PR) Research Project	A020705R	4	IV(Th)b: Vyakaran Evam Bhasha Vigyan ka Vishisth Adhyaan Or	A020905T	5
<u>VIII Semester</u>			IV(Th)c: Pracheen Evam Avarcheen Sanskrit Sahitya ka Vishisth Adhyaan Or	A020906T	5
I(Th) Sanskrit Mahakavya	A020801T	5	IV(Th)d: Darshanshastra ka Vishisth Adhyaan Or	A020907T	5
II(Th) Sanskrit Kavyashastra	A020802T	5	IV(Th)e: Kavyashastra ka Vishisth Adhyaan Or	A020908T	5
III(Th) Vyakaran, Anuwad Evam Nibhandh	A020803T	5	IV(Th)f: Bhartiya Jyotirvigyan ka Vishisth Adhyaan Or	A020909T	5
IV(Th)a: Adunik Sanskrit Sahitya Or	A020804T	5	IV(Th)g: Bhartiya Vastushastra ka Vishisth Adhyaan Or	A020910T	5
IV(Th)b: Yog Evam Prakritik Chikitsa Or	A020805T	5	IV(Th)h: Porohitya Karmkand ka Vishisth Adhyaan Or	A020911T	5
IV(Th)c: Aurved Evam Swasthya Vigyan Or	A020806T	5	ELECTIVE (Part One): ANY ONE OF A020904T, A020905T, A020906T, A020907T, A020908T, A020909T, A020910T, A020911T		
IV(Th)d: Bhartiya Vastu Shastra Or	A020807T	5			
IV(Th)e: Porohitya Karmkand Or	A020808T	5	I(PR) Research Project	A020912R	4
IV(Th)f: Bhartiya Jyotirvigyan Or	A020809T	5	<u>X Semester</u>		
ELECTIVE: ANY ONE OF A020804T, A020805T, A020806T, A020807T, A020808T, A020809T			I(Th) Roopak Evam Natya Shastra	A021001T	5
I(PR) Research Project	A020810R	4	II(Th) Dharm Shastra Arthshastra Evam Aasharkavya	A021002T	5
			III(Th) Brahmin Partishastra Evam Nirukt	A021003T	5
			IV(Th)a: Vedic Shatiya ka Vishisth Adhyaan Or	A021004T	5
			IV(Th)b: Vyakaran Evam Bhasha Vigyan ka Vishisth Adhyaan Or	A021005T	5
			IV(Th)c: Pracheen Evam Avarcheen Sanskrit Sahitya ka Vishisth Adhyaan Or	A021006T	5
			IV(Th)d: Darshanshastra ka Vishisth Adhyaan Or	A021007T	5
			IV(Th)e: Kavyashastra ka Vishisth Adhyaan Or	A021008T	5
			IV(Th)f: Bhartiya Jyotirvigyan ka Vishisth Adhyaan Or	A021009T	5
			IV(Th)g: Bhartiya Vastushastra ka Vishisth Adhyaan Or	A021010T	5
			IV(Th)h: Porohitya Karmkand ka Vishisth Adhyaan Or	A021011T	5
			ELECTIVE (Part Two): ANY ONE OF A021004T, A021005T, A021006T, A021007T, A021008T, A021009T, A021010T, A021011T		
			I(PR) Research Project	A021012R	4

A3. URDU

Paper Name	Code	Credit	Paper Name	Code	Credit
<u>VII Semester</u>			<u>IX Semester</u>		
I(Th) Origin and Development of Urdu Language	A030701T	5	I(Th) Urdu Nazam	A030901T	5
II(Th) Literary Tradition of Urdu	A030702T	5	II(Th) Mass Media	A030902T	5
III(Th) Research & Criticism	A030703T	5	III(Th) A: Sir Syed ahmad Khan Or	A030903T	5
IV(Th)a: Information Technology Or	A030704T	5	III(Th) B: Prem Chand Or	A030904T	5
IV(Th)b: Urdu Drama	A030705T	5	III(Th) C: Maulana Abul Kalam Azad	A030905T	5
ELECTIVE: ANY ONE OF A030704T, A030705T			ELECTIVE: ANY ONE OF A030903T, A030904T, A030905T		
I(PR) Research Project	A030706R	4	IV(Th) A: Meer taqi Meer Or	A030906T	5
<u>VIII Semester</u>			IV(Th) B: Ghalib Or	A030907T	5
I(Th) Urdu Ghazal	A030801T	5	IV(Th) C: Iqbal Or	A030908T	5
II(Th) Urdu Fiction	A030802T	5	ELECTIVE: ANY ONE OF A030906T, A030907T, A030908T		
III(Th) Non-Fictional Prose	A030803T	5	I(PR) Research Project	A030909R	4
IV(Th) Folk Literature	A030804T	5	<u>X Semester</u>		
I(PR) Research Project	A030805R	4	I(Th) Composite Tradions of Urdu & Hindi Literature	A031001T	5
			II(Th) Modern Literature	A031002T	5
			III(Th) A: script Writing and Translation Or	A031003T	5
			III(Th) B: Essay and Translation	A031004T	5
			ELECTIVE: ANY ONE OF A031003T, A031004T		
			IV(Th) Classical Literature	A031005T	5
			I(PR) Research Project	A031006R	4

A4. ENGLISH

Paper Name	Code	Credit	Paper Name	Code	Credit
<u>VII Semester</u>			<u>IX Semester</u>		
I(Th) Chaucer to Milton	A040701T	5	I(Th) Victorian Fiction and Prose	A040901T	5
II(Th) Restoration to 1978	A040702T	5	II(Th) Twentieth Century British Poetry	A040902T	5
III(Th) Research Methodology	A040703T	5	III(Th) Twentieth Century British Fiction and Prose	A040903T	5
IV(Th) Fundamentals of Literary Criticism	A040704T	5	IV(Th)a: Campus Fiction Or	A040904T	5
I(PR) Research Project	A040705R	4	IV(Th)b: Translation Studies	A040905T	5
<u>VIII Semester</u>			ELECTIVE: ANY ONE OF A040904T, A040905T	A040906R	4
I(Th) Romantic Literature	A040801T	5	I(PR) Research Project		
II(Th) Victorian Poetry	A040802T	5	<u>X Semester</u>		
III(Th) Research Methodology & Dissertation	A040803T	5	I(Th) Indian Literature in English (Poetry and Drama)	A041001T	5
IV(Th)a: American Literature Or	A040804T	5	II(Th) Indian Literature in English (Fiction and Prose)	A041002T	5
IV(Th)b: Australian Literature	A040805T	5	III(Th)a: New Literatures in English Or	A041003T	5
ELECTIVE: ANY ONE OF A040804T, A040805T			III(Th)b: Campus Fiction Or	A041004T	5
I(PR) Research Project	A040806R	4	III(Th)c: Women Studies Or	A041005T	5
			III(Th)d: Partition and Diaphoric Literature	A041006T	5
			ELECTIVE: ANY ONE OF A041003T, A041004T, A041005T, A041006T		
			IV(Th)a: Modern Literary Theories Or	A041007T	5
			IV(Th)b: Literary Theories (Application) Or	A041008T	5
			IV(Th)c: Literature and Theatre	A041009T	5
			ELECTIVE: ANY ONE OF A041007T, A041008T, A041009T		
			I(PR) Research Project	A041010R	4

A5. HISTORY

Paper Name	Code	Credit	Paper Name	Code	Credit
<u>VII Semester</u>			<u>IX Semester</u>		
I(Th) Historiography: Concepts, Methods, Approaches and Tools	A050701T	5	I(Th)a: History of South India (From Sangam Age to Vijay Nagr Empire) Or	A050901T	5
II(Th) Research Methodology	A050702T	5	I(Th)b: Bhakti Movement in India	A050902T	5
III(Th) History of Modern Europe (1789-1919)	A050703T	5	ELECTIVE: ANY ONE OF A050901T, A050902T		
IV(Th)a: Historical Tourism in India Or	A050704T	5	II(Th) History of Medieval India (1206-1526 A.D.)	A050903T	5
V(Th)b: Legendary and Religious sites of Uttar Pradesh Or	A050705T	5	III(Th) History of Medieval India (1526-1707 A.D.)	A050904T	5
VI(Th)c: Socio-Economic and Cultural History of Ancient India (From Earliest Times to 1200 A.D.)	A050706T	5	IV(Th) Political and Cultural History of Western Uttar Pradesh	A050906T	5
ELECTIVE: ANY ONE OF A050704T, A050705T, A050706T			I(PR) Research Project	A050905R	4
I(PR) Research Project	A050707R	4	<u>X Semester</u>		
<u>VIII Semester</u>			I(Th)a: History of Modern India (1707-1885 A.D.) Or	A051001T	5
I(Th)a: History of Ancient India (From Earliest Times to Post Harappan Settlement) or	A050801T	5	I(Th)b: Economic History of British India (1757-1950 A.D.)	A051002T	5
I(Th)b: Ancient Indian Epigraphy and Numismatics	A050802T	5	ELECTIVE: ANY ONE OF A051001T, A051002T		
ELECTIVE: ANY ONE OF A050801T, A050802T			II(Th)a: History of Modern India (1885-1950 A.D.) Or	A051003T	5
II(Th) History of Ancient India (From Vedic Age to Mauryan Empire)	A050803T	5	II(Th)b: Heritage and Tourism	A051004T	5
III(Th)a: History of Ancient India (From Shunga Dynasty to Rajput Era) Or	A050804T	5	ELECTIVE: ANY ONE OF A051003T, A051004T		
III(Th)b: History of Journalism in India	A050806T	5	III(Th)a: Socio-Cultural History of Modern India (1757-1947) Or	A051005T	5
ELECTIVE: ANY ONE OF A050804T, A050806T			III(Th)b: Women through Ages	A051006T	5
I(PR) Project:	A050807R	5	ELECTIVE: ANY ONE OF A051005T, A051006T		
II(PR) Research Project	A050805R	4	IV(Th)a: History of Modern India (1920-1960 A.D.) Or	A051007T	5
			IV(Th)b: Important Personalities of India	A051008T	5
			ELECTIVE: ANY ONE OF A051006T, A051007T		
			I(PR) Research Project	A051009R	4

A5A. ANCIENT HISTORY, CULTURE AND ARCHAEOLOGY

Paper Name	Code	Credit	Paper Name	Code	Credit
<u>VII Semester</u>			<u>IX Semester</u>		
I(Th) History and Culture of Ancient India (Upto 600 B.C.)	A05A0701T	5	I(Th) History of Ancient Indian Numismatics	A05A0901T	5
II(Th) History of Ancient India and the Greco-Roman World (C.600 B.C.-78 A.D.)	A05A0702T	5	II(Th) History of Ancient Indian Art and Architecture	A05A0902T	5
III(Th) History of Archaeology of Ancient India (78 A.D.-650 A.D.)	A05A0703T	5	III(Th) Ancient Indian Art and Architecture	A05A0903T	5
I(PR) Project:	A05A0704R	5	I(PR) Project:	A05A0904R	5
II(PR) Research Project	A05A0705R	4	II(PR) Research Project	A05A0905R	4
<u>VIII Semester</u>			<u>X Semester</u>		
I(Th) History of Ancient India and Cultural Contacts with South-East Asia (650 A.D.-1200 A.D.)	A05A0801T	5	I(Th) Socio-Economic and Cultural History of Ancient India (Till 1200 A.D.)	A05A1001T	5
II(Th) Archaeological Theories and Methods	A05A0802T	5	II(Th) Ancient Indian Epigraphy and Numismatics	A05A1002T	5
III(Th) Elements of epigraphical Studies	A05A0803T	5	III(Th) History of South India (From Sangam Age to Vijay Nagar Empire)	A05A1003T	5
I(PR) Project: Field Survey	A05A0804R	5	I(PR) Project: Field Survey	A05A1004R	5
II(PR) Research Project	A05A0805R	4	II(PR) Research Project	A05A1005R	4

A6. POLITICAL SCIENCE

Paper Name	Code	Credit	Paper Name	Code	Credit
<u>VII Semester</u>			<u>IX Semester</u>		
I(Th) Traditions of Political Thinking	A060701T	4	I(Th) Western Political Thought	A060901T	4
II(Th) Comparative Politics	A060702T	4	II(Th) Indian Administration	A060902T	4
III(Th) Indian Political System	A060703T	4	III(Th)a: Modern Indian Political Thought Or	A060903T	4
IV(Th) International Relations	A060704T	4	III(Th)b: Modern Western Political Thought	A060904T	4
I(PR) Practical:	A060705P	4	ELECTIVE: ANY ONE OF A060903T, A060904T		
II(PR) Research Project	A060706R	4	IV(Th)a: Indian Tradition of Political Thinking	A060905T	4
			IV(Th)b: Indian Public Governance	A060906T	4
<u>VIII Semester</u>			ELECTIVE: ANY ONE OF A060905T, A060906T		
	A060801T	4	I(PR) Practical:	A060907P	4
I(Th) Administrative Theory	A060802T	4	II(PR) Research Project	A060908R	4
II(Th) Ancient Indian Political Thought	A060803T	4			
III(Th) Contemporary Political Theory	A060804T	4	<u>X Semester</u>		
IV(Th)a: Research Methodology Or	A060805T	4	I(Th) State Politics in India	A061001T	4
IV(Th)b: Indian Political Economy			II(Th)a: Foundations of Indian Political Theory Or	A061002T	4
ELECTIVE: ANY ONE OF A060804T, A060805T			II(Th)b: Political Sociology	A061003T	4
I(PR) Practical:	A060806P	4	ELECTIVE: ANY ONE OF A061002T, A061003T		
II(PR) Research Project	A060807R	4	III(Th)a: Political Leadership in India Or	A061004T	4
			III(Th)b: Contemporary Political Issues	A061005T	4
			ELECTIVE: ANY ONE OF A061004T, A061005T		
			IV(Th)a: Indian Democracy	A061006T	4
			IV(Th)b: Local Governance in India	A061007T	4
			ELECTIVE: ANY ONE OF A061006T, A061007T		
			I(PR) Practical:	A061008P	4
			II(PR) Research Project	A061009R	4

A7. SOCIOLOGY (For Students Admitted till 2022-23 Session Only)

Paper Name	Code	Credit	Paper Name	Code	Credit
<u>VII Semester</u>			<u>IX Semester</u>		
I(Th) Sociological Concepts			I(Th) Modern Sociological Theories		
II(Th) Classical Sociological Theories	A070701T	5	II(Th) Explanation in Social Science	A070901T	5
III(Th) Methodology of Social Research	A070702T	5	III(Th) Environment and Society	A070902T	5
IV(Th) Rural Sociology Or	A070703T	5	IV(Th)a: Medical Sociology Or	A070903T	5
V(Th) Community Development and Participatory Management	A070704T	5	IV(Th)b: Rural Industries and Entrepreneurship Or	A070904T	5
ELECTIVE: ANY ONE OF A070704T, A070705T	A070705T	5	IV(Th)c: Social Change in Globalized India	A070905T	5
I(PR) Research Project	A070707R	4	ELECTIVE: ANY ONE OF A070904T, A070905T, A070906T	A070906T	5
<u>VIII Semester</u>			<u>X Semester</u>		
I(Th) Neo-Classical Theories	A070801T	5	I(Th) Political Sociology	A071001T	5
II(Th) Basic Statistics and Computer Applications in Social Research	A070802T	5	II(Th) Perspectives on Indian Society	A071002T	5
III(Th) Social change, Concepts & Theories	A070803T	5	III(Th) Sociology of Marginalized Groups	A071003T	5
IV(Th) Rural Studies Or	A070804T	5	IV(Th) Classifications in Sociology Or	A071004T	5
V(Th) Potential of Human Resource Development	A070805T	5	IV(Th) Sociology of Social Movement Or	A071005T	5
ELECTIVE: ANY ONE OF A070804T, A070805T			IV(Th) Social Stratification Or	A071006T	5
I(PR) Research Project	A070807R	4	IV(Th) Sociological Aspects of Disasters and Disaster Planning	A071007T	5
			ELECTIVE: ANY ONE OF A071007T, A071004T, A071005T, A071006T		
			I(PR) Research Project	A071008R	4

A7. SOCIOLOGY (For Students Admitted w.e.f. 2023-24 Session)

Paper Name	Code	Credit	Paper Name	Code	Credit
<u>VII Semester</u>			<u>IX Semester</u>		
I(Th) Sociological Concepts	A070708T	5	I(Th) Modern Sociological Theories	A070908T	5
II(Th) Classical Sociological Thinkers	A070709T	5	II(Th) Rural Studies	A070909T	5
III(Th) Methodology of Social Research	A070710T	5	III(Th) Social Change: Concepts and Theories	A070910T	5
IV(Th) Rural Sociology	A070711T	5	IV(Th)a: Environmental Sociology Or	A070911T	5
I(PR) Research Project	A070712R	4	IV(Th)b: Political Sociology	A070912T	5
<u>VIII Semester</u>			<u>X Semester</u>		
I(Th) Neo-Classical Theories	A070808T	5	ELECTIVE: ANY ONE OF A070911T, A070912T		
II(Th) Basic Statistics in Social Research	A070809T	5	I(PR) Research Project	A070913R	4
III(Th) Society in India	A070810T	5	<u>X Semester</u>		
IV(Th) Explanation in Social Science	A070811T	5	I(Th) Social Change in India	A071009T	5
I(PR) Research Project	A070812R	4	II(Th) Perspectives on Indian Society	A071010T	5
			III(Th) Classification in Sociology	A071011T	5
			IV(Th) Sociology of Marginalized Groups	A071012T	5
			I(PR) Research Project	A071013R	4

A8. ECONOMICS					
Paper Name	Code	Credit	Paper Name	Code	Credit
<u>VII Semester</u>			<u>IX Semester</u>		
I(Th) Micro Economics	A080701T	5	I(Th) Public Finance	A080901T	5
II(Th) Macro Economics	A080702T	5	II(Th) Research Methodology	A080902T	5
III(Th) Indian Economy	A080703T	5	III(Th)a: Economics of Infrastructure	A080903T	5
IV(Th)a: Mathematical Economics Or	A080704T	5	III(Th)b: Econometrics	A080904T	5
IV(Th)b: Labour Economics Or	A080705T	5	III(Th)c: Agricultural Economics	A080905T	5
IV(Th)c: History of Economic Thought	A080706T	5	ELECTIVE: ANY ONE OF A080903T, A080904T, A080905T		
ELECTIVE: ANY ONE OF A080704T, A080705T, A080706T			IV(Th)a: Rural Development	A080906T	5
I(PR) Research Project	A080708R	4	IV(Th)b: Demography	A080907T	5
			IV(Th)c: Industrial Economics	A080908T	5
<u>VIII Semester</u>			ELECTIVE: ANY ONE OF A080906T, A080907T, A080908T		
I(Th) Advance Economic Theory	A080801T	5	I(PR) Research Project	A080909R	4
II(Th) Statistical Methods for Economic Analysis	A080802T	5			
III(Th) Development Economics	A080803T	5	<u>X Semester</u>		
IV(Th)a: Computer Application in Economics Or	A080804P	5	I(Th) International Economics	A081001T	5
IV(Th)b: Indian Economic Thoughts Or	A080805T	5	II(Th)a: Indian Public Finance	A081002T	5
IV(Th)c: Economy of Uttar Pradesh	A080806T	5	II(Th)b: Institutional Economics	A081003T	5
ELECTIVE: ANY ONE OF A080804T, A080805T, A080806T			II(Th)c: Public Policy	A081004T	5
I(PR) Research Project	A080808R	4	ELECTIVE: ANY ONE OF A081002T, A081003T, A081004T		
			III(Th)a: Economics of Education	A081005T	5
			III(Th)b: Applied Econometrics	A081006T	5
			III(Th)c: Economics of Health	A081007T	5
			ELECTIVE: ANY ONE OF A081005T, A081006T, A081007T		
			IV(Th)a: Environmental Economics	A081008T	5
			IV(Th)b: Gender Economics	A081009T	5
			IV(Th)c: Economics of Insurance	A081010T	5
			ELECTIVE: ANY ONE OF A081008T, A081009T, A081010T		
			I(PR) Research Project	A081012R	4

A9. PSYCHOLOGY

Paper Name	Code	Credit	Paper Name	Code	Credit
<u>VII Semester</u>			<u>IX Semester</u>		
I(Th) Psychology as a Science	A090701T	4	I(Th) Advance Quantitive Methods	A090901T	4
II(Th) Learning, Motivation and Emotion	A090702T	4	II(Th) Higher Cognitive Processes	A090902T	4
III(Th) Psychology of Individual Differences	A090703T	4	III(Th) Psychopathology Or	A090903T	4
IV(Th) Biopsychology	A090704T	4	IV(Th) Clinical Psychology Or	A090904T	4
I(PR) Practical:	A090705P	4	V(Th) Neuropsychology Or	A090905T	4
II(PR) Research Project	A090706R	4	VI(Th) Educational Psychology Or	A090906T	4
<u>VIII Semester</u>			VII(Th) Human Development till Adulthood Or	A090907T	4
I(Th) Systems of Psychology	A090801T	4	VIII(Th) Organizational Psychology Or	A090908T	4
II(Th) Social Psychology	A090802T	4	IX(Th) Managing Behaviour in Organizations Or	A090909T	4
III(Th) Congnitive Psychology	A090803T	4	X(Th) Human Resource Development and Consulting Or	A090910T	4
IV(Th) Inferential Statistics	A090804T	4	XI(Th) Counselling Psychology Or	A090911T	4
I(PR) Practical:	A090805P	4	XII(Th) Health psychology	A090912T	4
II(PR) Research Project	A090806R	4	ELECTIVE: Any Two optional		
			I(PR) Practical:	A090913P	4
			II(PR) Research Project	A090914R	4
			<u>X Semester</u>		
			I(Th) Psychometry	A091001T	4
			II(Th) Clinical Assessment Diagnoses and Planning Treatment Or	A091002T	4
			III(Th) Techniques of Counselling and Psychotherapy Or	A091003T	4
			IV(Th) Forensic and Criminal Psychology Or	A091004T	4
			V(Th) Rehabilitation Psychology Or	A091005T	4
			VI(Th) Sports Psychology Or	A091006T	4
			VII(Th) The Psychology of Aging Or	A091007T	4
			VIII(Th) Human Resource Metrics and Analytics Or	A091008T	4
			IX(Th) Decision Making in Organizations Or	A091009T	4
			X(Th) Environmental Psychology Or	A091010T	4
			XI(Th) Psychology for Natural development Or	A091011T	4
			XII(Th) Social Cognitive Neuroscience Or	A091012T	4
			XIII(Th) Qualitative Research Methods Or	A091013T	4
			XIV(Th) Positive Psychology Or	A091014T	4
			XV(Th) Media Psychology Or	A091015T	4
			XVI(Th) Cyber Psychology Or	A091016T	4
			XVII(Th) Military Psyychology Or	A091017T	4
			XVIII(Th) Economic Psycholgy	A091018T	4
			ELECTIVE: Any Three optional		
			I(PR) Practical:	A091019P	4
			II(PR) Research Project	A091020R	4

A11. GEOGRAPHY

Paper Name	Code	Credit	Paper Name	Code	Credit
<u>VII Semester</u>			<u>IX Semester</u>		
I(Th) Geomorphology	A110701T	4	I(Th) Geographical Thoughts	A110901T	4
II(Th) Geography of India	A110702T	4	II(Th) Interdisciplinary Research Methods and Techniques in Geography	A110902T	4
III(Th) Ecology and Environment	A110703T	4	III(Th) Population Geography	A110903T	4
IV(Th) Statistical Methods in Geography	A110704T	4	IV(Th)a: Gender Geography Or	A110904T	4
I(PR) Practical: Statistical Techniques and Cartography or Computer Aided Statistical Diagrams and Graphs	A110705P	4	IV(Th)b: Agricultural Geography Or	A110905T	4
II(PR) Research Project	A110707P	4	IV(Th)c: Social Geography Or	A110906T	4
<u>VIII Semester</u>			IV(Th)d: Techniques and Methods of Regional Analysis Or	A110907T	4
I(Th) Climatology and Oceanography	A110801T	4	IV(Th)e: Cultural Geography Or	A110908T	4
II(Th) Laws, Models & Theories in Geography	A110802T	4	IV(Th)f: Multi-Variety Statically Analysis Or	A110909T	4
III(Th) Regional Planning and Development	A110803T	4	IV(Th)g: Remote Sensing G.I.S.&G.P.S. Or	A110910T	4
IV(Th)a: Geography of World Economies Or	A110804T	4	ELECTIVE: ANY ONE OF A110904T, A110905T, A110906T, A110907T, A110908T, A110909T, A110910T		
IV(Th)b: Geography of Water Resource Or	A110805T	4	I(PR) Practical: Remote Sensing & G.I.S or Advance Surveying	A110911P	4
IV(Th)c: Resource Geogrphy Or	A110806T	4	II(PR) Research Project	A110912P	4
IV(Th)d: Advance Geography of Uttar Pradesh Or	A110807T	4		A110913R	4
IV(Th)e" Political Geography Or	A110808T	4	<u>X Semester</u>		
ELECTIVE: ANY ONE OF A110804T, A110805T, A110806T, A110807T, A110808T			I(Th) Urban Geography	A111001T	4
I(PR) Practical: Advance Cartography (Traditional/Computer)	A110809P	4	II(Th) Recent Issues in Geography	A111002T	4
II(PR) Research Project	A110810R	4	III(Th) Rural Geography Or	A111003T	4
			IV(Th) Media Geography Or	A111004T	4
			V(Th) Historical Geography Or	A111005T	4
			VI(Th) Geography of Tourism Or	A111006T	4
			VII(Th) Heritage Conservation Or	A111007T	4
			VIII(Th) Geography of Health Or	A111008T	4
			IX(Th) Geography of Cryosphere Or	A111009T	4
			ELECTIVE: ANY TWO OF A111003T, A111004T, A111005T, A111006T, A111007T, A111008T, A111009T		
			I(PR) Practical: Arial Photographs and their Interpretations	A111010P	4
			II(PR) Research Project	A111011R	4

A16. SOCIAL WORK

Paper Name	Code	Credit	Paper Name	Code	Credit
<u>VII Semester</u>			<u>IX Semester</u>		
I(Th) History & Philosophy of Social Work	A160701T	5	I(Th) Rural Urban Community Development	A160901T	5
II(Th) Dynamics of Human Growth and Social Psychology	A160702T	5	II(Th) Research Methods, Statistics and Computer Application	A160902T	5
II(Th) Social Case Work (Working with Individuals)	A160703T	5	II(Th) Environment, Sustainable Development and Social Work	A160903T	5
IV(Th) Social Group Work (Working with Groups)	A160704T	5	IV(Th) Mental Health Care & Services, Medical & Psychiatric Social Work	A160904T	5
I(PR) Research Project	A160706R	4	I(PR) Research Project	A160905R	4
<u>VIII Semester</u>			<u>X Semester</u>		
I(Th) Social Policy, Planning & Development	A160801T	5	I(Th) Counseling, Theory and Practice	A161001T	5
II(Th) Community Organization & Community Work	A160802T	5	II(Th) Human Resources Management & Organizational Behaviour	A161002T	5
II(Th) Social Welfare Administration and Social Justice	A160803T	5	II(Th) Labour Welfare, Industrial Relations & Labour Laws	A161003T	5
IV(Th) Social Legislation, Social Movements and Social action	A160804T	5	IV(Th) Gender & Development and Population Studies	A161004T	5
I(PR) Research Project	A160806R	4	I(PR) Research Project	A161005R	4

A27. Public Administration

Paper Name	Code	Credit	Paper Name	Code	Credit
<u>VII Semester</u>			<u>IX Semester</u>		
I(Th) Foundations of administrative System	A270701T	4	I(Th) Western Administrative Thinkers	A270901T	4
II(Th) Introduction to Public Administration	A270702T	4	II(Th) Ancient Indian Administration	A270902T	4
III(Th) Administrative Theory	A270703T	4	III(Th)a: Financial Administration	A270903T	4
IV(Th) Indian Administration	A270704T	4	III(Th)b: Personnel Administration	A270904T	4
I(PR) Practical:	A270705P	4	ELECTIVE: ANY ONE OF A270903T , A270904T		
IV(PR) Research Project	A270706R	4	IV(Th)a: Social Welfare Administration	A270905T	4
			IV(Th)b: Public Policy Process in India	A270906T	4
<u>VIII Semester</u>			IV(Th)c: Public Policy	A270907T	4
I(Th) Theory and Practice of Local Government	A270801T	4	ELECTIVE: ANY ONE OF A2709035, A270906T, A270907T		
II(Th) Indian Administrative Thinkers	A270802T	4	I(PR) Practical:	A270908P	4
III(Th) Constitutional Frame Work of Indian administration	A270803T	4	II(PR) Research Project	A270909R	4
IV(Th) a: Research Methodology Or	A270804T	4			
IV(Th) b: Comparative Public Administration	A270805T	4	<u>X Semester</u>		
ELECTIVE: ANY ONE OF A270804T, A270805T			I(Th) Contemporary Issues in Indian Administration	A271001T	4
I(PR) Practical:	A270806P	4	II(TH) Rural Local Government in India	A271002T	4
II(PR) Research Project	A270807R	4	III(TH) Urban Local Government in India	A271003T	4
			IV(TH) Management of Public Enterprises	A271004T	4
			V(TH) Organisational Behaviour	A271005T	4
			VI(TH) Indian Civil Services	A271006T	4
			VII(TH) Human Resource Management	A271007T	4
			VIII(TH) E-Governance	A271008T	4
			IX(TH) Good Governance and Administration	A271009T	4
			ELECTIVE: Any Three of A271002T to A271009T		
			I(PR) Practical:	A271010P	4
			II(PR) Research Project	A271011R	4

B1. PHYSICS

Paper Name	Code	Credit	Paper Name	Code	Credit
<u>VII Semester</u>			<u>IX Semester</u>		
I(Th) Mathematical Methods in Physics	B010701T	4	I(Th) Condensed Matter Physics	B010901T	4
II(Th) Classical Mechanics	B010702T	4	II(Th) Nuclear and Particle Physics	B010902T	4
III(Th) Quantum Mechanics	B010703T	4	III(Th) a: Operational Amplifier and Digital Circuits	B010903T	4
IV(Th) Electronic Devices	B010704T	4	III(Th) b: Nanomaterials and Synthesis Techniques	B010904T	4
I(PR) Practical: Practical Course	B010705P	4	ELECTIVE: ANY ONE OF B010903T, B010904T		
II(PR) Research Project	B010706R	4	IV(Th)a: Electronic Communication Systems	B010905T	4
			IV(Th) b: Advance Tools for Nanocharacterization	B010906T	4
			ELECTIVE: ANY ONE OF B010905T, B010906T		
			I(PR) Practical: Practical Course	B010907P	4
			II(PR) Research Project	B010908R	4
<u>VIII Semester</u>			<u>X Semester</u>		
I(Th) Advanced Quantum Mechanics	B010801T	4	I(Th) Numerical Methods and Programming	B011001T	4
II(Th) Statistical Mechanics	B010802T	4	II(Th)a: Physics of Nanometrials	B011002T	4
III(Th) Electrodynamics and Plasma Physics	B010803T	4	II(Th)b: Materials Science & Energy Devices	B011003T	4
IV(Th) Atomic and Molecular Physics	B010804T	4	ELECTIVE: ANY ONE OF B011002T, B011003T		
I(PR) Practical: Practical Course	B010805P	4	III(Th)a: Microwave Electronics, Digital and Satellite Communication	B011004T	4
II(PR) Research Project	B010806R	4	III(Th)b: Quantum Physics for Nanostructures	B011005T	4
			ELECTIVE: ANY ONE OF B011004T, B011005T		
			IV(Th)a: Design and fabrication of Integrated Circuits	B011006T	4
			IV(Th)b: Nanofabrication and Devices	B011007T	4
			ELECTIVE: ANY ONE OF B011006T, B011007T		
			I(PR) Practical: Practical Course	B011008P	4
			II(PR) Research Project	B011009R	4

B2. CHEMISTRY

Paper Name	Code	Credit	Paper Name	Code	Credit
<u>VII Semester</u>			<u>IX Semester</u>		
I(Th) Inorganic Chemistry I	B020701T	4	I(Th) Photochemistry	B020901T	4
II(Th) Organic Chemistry I	B020702T	4	II(Th) Spectroscopy	B020902T	4
III(Th) Physical Chemistry I	B020703T	4	III(Th) Analytical Chemistry	B020903T	4
IV(Th) Computer for Chemists	B020704T	4	IV(Th)a: Bio-Inorganic Chemistry Or	B020904T	4
I(PR) Practical: Practical Course	B020707P	4	IV(Th)b: Bio-Organic Chemistry Or	B020905T	4
II(PR) Research Project	B020708R	4	IV(Th)c: Bio-Physical Chemistry Or	B020906T	4
ELECTIVE: ANY ONE OF B020705T, B020706T (Only Qualifying)	B020705T		ELECTIVE: ANY ONE OF B020904T, B020905T, B020906T	B020907P	4
I(Th) Biology for Chemist	B020706T		I(PR) Practical: Practical Course	B020908R	4
II(Th) Mathematics for Chemist			II(PR) Research Project		
<u>VIII Semester</u>			<u>X Semester</u>		
I(Th) Inorganic Chemistry II	B020801T	4	I(Th) Environmental Chemistry	B021001T	4
II(Th) Organic Chemistry II	B020802T	4	ELECTIVE: ANY Three OF Inorganic Specialization	B021002T	4
III(Th) Physical Chemistry II	B020803T	4	II(Th) Inorganic Chemistry Special I	B021003T	4
IV(Th) Group Theory, Spectroscopy & Diffraction Methods & Solid State	B020804T	4	III(Th) Inorganic Chemistry Special II	B021004T	4
I(PR) Practical: Inorganic Practical	B020805P	4	IV(Th) Inorganic Chemistry Special III(Advanced Inorganic Chemistry)	B021005T	4
II(PR) Research Project	B020808R	4	V(Th) Inorganic Chemistry Special IV(Advanced Spectral Technique)	B021006T	4
			VI(Th) Inorganic Chemistry Special V (Chemistry of Materials)		
			ELECTIVE: ANY Three OF Organic Specialization	B021007T	4
			II(Th) Organic Chemistry Special I (Organic Synthesis)	B021008T	4
			III(Th) Organic Chemistry Special II (Medicinal Chemistry)	B021009T	4
			IV(Th) Organic Chemistry Special III (Polymer Chemistry)	B021010T	4
			V(Th) Organic Chemistry Special IV (Chemistry of Natural Products)	B021011T	4
			VI(Th) Organic Chemistry Special V (Heterocyclic Chemistry)		
			ELECTIVE: ANY Three OF Physical Specialization	B021012T	4
			II(Th) Physical Chemistry Special I (Solid State Chemistry)	B021013T	4
			III(Th) Physical Chemistry Special II (Advanced Quantum Chemistry)		
			IV(Th) Physical Chemistry Special III (Liquid State)	B021014T	4
			V(Th) Physical Chemistry Special IV (Physical Chemistry of Inorganic Reaction)	B021015T	4
			VI(Th) Physical Chemistry Special V (Computational Chemistry)	B021016T	4
			I(PR) Practical: Organic Practical	B021017P	4
			II(PR) Research Project	B021018R	4

B3. MATHEMATICS

Paper Name	Code	Credit	Paper Name	Code	Credit
<u>VII Semester</u>			<u>IX Semester</u>		
I(Th) Abstract Algebra	B030701T	5	I(Th)a: Fluid Dynamics	B030901T	5
II(Th) Real Analysis	B030702T	5	I(Th)b: Functional Analysis	B030902T	5
III(Th) Advanced Differential Equations	B030703T	5	I(Th)c: Introduction to Soft Computing	B030903T	5
IV(Th) Topology	B030704T	5	I(Th)d: Mathematical Robotics	B030904T	5
I(PR) Research Project	B030705R	4	I(Th)e: Information Theory	B030905T	5
<u>VIII Semester</u>			ELECTIVE: ANY TWO		
I(Th)a: Advanced Complex Analysis	B030801T	5	II(Th)a: Advanced Numerical Analysis	B030906T	5
I(Th)b: Research Methodology & Computer Application	B030802T	5	II(Th)b: Measure and Integration	B030907T	5
I(Th)c: Dynamical System	B030803T	5	II(Th)c: Algebraic Coding Theory	B030908T	5
ELECTIVE: ANY ONE B030801T, B030802T, B030803T			II(Th)d: Object Oriented Programming C++	B030909T	5
II(Th)a: Mechanics	B030804T	5	II(Th)e: Partial Differential Equation	B030910T	5
II(Th)b: Linear Algebra	B030805T	5	ELECTIVE: ANY TWO		
II(Th)c: Mathematical Statistics	B030806T	5	I(PR) Research Project	B030911R	4
ELECTIVE: ANY ONE B030804T, B030805T, B030806T			<u>X Semester</u>		
III(Th)a: Advanced Operations Research	B030807T	5	I(Th)a: Mathematical Method	B031001T	5
III(Th)b: Programming Language	B030808T	5	I(Th)b: Number Theory	B031002T	5
III(Th)c: Financial Mathematics	B030809T	5	I(Th)c: Mathematical Cryptography	B031003T	5
ELECTIVE: ANY ONE B030807T, B030808T, B030809T			I(Th)d: Mathematical Biology	B031004T	5
IV(Th)a: Advanced Discrete Mathematics	B030810T	5	I(Th)e: Mathematical Programming	B031005T	5
IV(Th)b: Data Structure	B030811T	5	ELECTIVE: ANY TWO		
IV(Th)c: Differential Geometry	B030812T	5	II(Th)a: Advanced Topology	B031006T	5
ELECTIVE: ANY ONE B030810T, B030811T, B030812T			II(Th)b: Fuzzy Sets and its Applications	B031007T	5
I(PR) Research Project	B030813R	4	II(Th)c: Mathematical Modeling and Simulation	B031008T	5
			II(Th)d: File Structure and Database Management System	B031009T	5
			II(Th)e: Algebraic Topology	B031010T	5
			ELECTIVE: ANY TWO		
			I(PR) Research Project	B031011R	4

B4. BOTANY

Paper Name	Code	Credit	Paper Name	Code	Credit
<u>VII Semester</u>			<u>IX Semester</u>		
I(Th) Microbiology	B040701T	4	I(Th) Medicinal Botany and Ayurvedic System of Medicine	B040901T	4
II(Th) Algae, Bryophytes, Pteridophytes and Gymnosperms	B040702T	4	II(Th) Plant Biochemistry and Molecular Biology	B040902T	4
III(Th) Plant Systematics	B040703T	4	III(Th) Environmental Chemistry	B040903T	4
IV(Th)a: Applied Mycology	B040704T	4	IV(Th)a: Genetic Engineering	B040904T	4
IV(Th)b: Biostatistics	B040705T	4	IV(Th)b: Evolutionary Biology	B040905T	4
ELECTIVE: ANY ONE OF B040704T, B040705T			IV(Th)c: Plant Nomenclature	B040906T	4
I(PR) Practical: Lab I	B040706P	4	ELECTIVE: ANY ONE OF B040904T, B040905T, B040906T		
II(PR) Research Project	B040707R	4	I(PR) Practical: Lab 3	B040907P	4
			II(PR) Research Project	B040908R	4
<u>VIII Semester</u>			<u>X Semester</u>		
		4			
		4			
I(Th) Genetics	B040801T	4	I(Th) Environmental Issues & Challenges	B041001T	4
II(Th) Cell Biology	B040802T	4	II(Th) Ethnobotany and Intellectual Property Rights	B041002T	4
III(Th) Development Botany	B040803T	4	III(Th)a: Biophysical Chemistry	B041003T	4
IV(Th)a: Elementary Biotechnology	B040804T	4	III(Th)b: Bioentrepreneurship and Innovation	B041004T	4
IV(Th)b: Pharmacognosy	B040805T	4	III(Th)c: Molecular Systematics and Phylogenomics	B041005T	4
IV(Th)c: Applied Phycology	B040806T	4	III(Th)d: Nanobiotechnology	B041006T	4
IV(Th)d: Stress Physiology of Plants	B040807T	4	ELECTIVE: ANY ONE OF B041004T, B041005T, B041006T		
ELECTIVE: ANY ONE OF B040804T, B040805T, B040806T, B040807T		4	IV(Th)a: Glycobiology	B041007T	4
I(PR) Practical: Lab 2	B040808P		IV(Th)b: Plant Tissue Culture	B041008T	4
II(PR) Research Project	B040809R		IV(Th)c: Microbial Biotechnology	B041009T	4
			IV(Th)d: Herbal Products	B041010T	4
			ELECTIVE: ANY ONE OF B041007T, B041008T, B041009T, B041010T		
			I(PR) Practical: Lab 4	B041011P	4
			II(PR) Research Project	B041012R	4

B5. ZOOLOGY

Paper Name	Code	Credit	Paper Name	Code	Credit
VII Semester			IX Semester		
I(Th) Animal Diversity: Evolutionary and Taxonomic Approaches	B050701T	4	I(Th) Genetics, Biostatistics & Computational Biology	B050901T	4
II(Th) Animal Diversity- Non-Chordata	B050702T	4	II(Th) Developmental Biology	B050902T	4
III(Th) Biochemistry	B050703T	4	Any One of the following groups		
IV(Th) Cell and Molecular Biology	B050704T	4	A- Parasitology: (i) Biology of Parasites-I (Protozoa, Termatodes, Cestoda)	B050903T	4
II(PR) Practical:	B050705P	4	(ii) Biology of Parasites-II (Nematoda and Arthropoda)	B050904T	4
I(PR) Research Project	B050706R	4	B- Fish and Fisheries: (i) General Fish Biology	B050905T	4
			(ii) Morphology and Physiology	B050906T	4
VIII Semester			C-Endrocrinology: (i) General Endrocrinology	B050907T	4
I(Th) Environmental Biology & Wildlife Biology	B050801T	4	(ii) Neuro Endrocrinology	B050908T	4
II(Th) Animal Diversity- Chordata	B050802T	4	D-Cell Biology: (i) Advanced Cell Biology	B050909T	4
III(Th) Animal Physiology and Immunology	B050803T	4	(ii) Chromosome and Genomic Organization	B050910T	4
IV(Th) Animal Behavior and Chronobiology	B050804T	4	E-Entomology: (i) General Insect Biology	B050911T	4
I(PR) Practical:	B050805P	4	(ii) Anatomy and physiology of Insects	B050912T	4
II(PR) Research Project	B050806R	4	F-Chronobiology: (i) Chronobiology	B050913T	4
			(ii) Photoperiodism and Seasonal Breeding	B050914T	4
			I(PR) Practical:	B050915P	4
			II(PR) Research Project	B050916R	4
			X Semester		
			(Th) Trends in Economic & Applied Zoology	B051001T	4
			II(Th) Biological Techniques & Biotechnology	B051002T	4
			Any One of the following groups		
			A- Parasitology: (i) Physiology and Biochemistry of Parasites	B051003T	4
			(ii) Immunoparasitology	B051004T	4
			B- Fish and Fisheries: (i) Fish Culture and Limnology	B051005T	4
			(ii) Applied Fisheries	B051006T	4
			C-Endrocrinology: (i) Vertebrate Endrocrinology	B051007T	4
			(ii) Reproductive Physiology	B051008T	4
			D-Cell Biology: (i) Genomic Analysis and Immune Genetics	B051009T	4
			(ii) Human and Microbial Cytogenetics and Molecular Biology	B051010T	4
			E-Entomology: (i) Applied Entomology-I	B051011T	4
			(ii) Applied Entomology-II	B051012T	4
			F-Chronobiology: (i) Neuroendocrine Control of Behavior	B051013T	4
			(ii) Applied Chronobiology	B051014T	4
			I(PR) Practical:	B051015P	4
			II(PR) Research Project	B051016R	4

B6. STATISTICS

Paper Name	Code	Credit	Paper Name	Code	Credit
<u>VII Semester</u>			<u>IX Semester</u>		
I(Th) Probability Theory	B060701T	4	I(Th) Quality Control & Realiability Engineering	B060901T	4
II(Th) Distribution Theory	B060702T	4	II(Th) Statistical Inference-II	B060902T	4
III(Th) Sampling Techniques	B060703T	4	III(Th) Operations Research	B060903T	4
IV(Th)a: Statistical Programming with R-language	B060704T	4	IV(Th)a: Advanced Bayesian Statistics	B060904T	4
IV(Th)b: Statistical Programming with C-language	B060705T	4	IV(Th)b: Acruarial Science & Official Statistics	B060905T	4
ELECTIVE: ANY ONE OF B060704T,B060705T			IV(Th)c: Advanced Designs of Experiments	B060906T	4
I(PR) Practical: Practical Lab	B060706P	4	ELECTIVE: ANY ONE OF B060904T, B060905T, B060906T		
II(PR) Research Project	B060707R	4	I(PR) Practical: Practical Lab	B060907P	4
			II(PR) Research Project	B060908R	4
<u>VIII Semester</u>			<u>X Semester</u>		
I(Th) Matrix Algebra & Lnear Difference Equations	B060801T	4	I(Th) Multivariate Analysis	B061001T	4
II(Th) Theory of Experimental designs	B060802T	4	II(Th) Time Series & Vital Statistics	B061002T	4
III(Th) Statistical Inference-I	B060803T	4	III(Th)a: Data Analytic & Python	B061003T	4
IV(Th)a: Real & Complex Analysis	B060804T	4	III(Th)b: Advanced Operations Research	B061004T	4
IV(Th)b: Information Theory	B060805T	4	III(Th)c: Bio-Statistics	B061005T	4
ELECTIVE: ANY ONE OF B060804T,B060805T			ELECTIVE: ANY ONE OF B061003T, B061004T, B061005T		
I(PR) Practical: Practical Lab	B060806P	4	IV(Th)a: Stochastic Process & Survival Analysis	B061006T	4
II(PR) Research Project	B060807R	4	IV(Th)b: Econometrics	B061007T	4
			IV(Th)c: Research Methodology & computer Application	B061008T	4
			ELECTIVE: ANY ONE OF B061006T, B061007T, B061008T		
			I(PR) Practical: Practical Lab	B061009P	4
			II(PR) Research Project	B061010R	4

B8. MICROBIOLOGY

Paper Name	Code	Credit	Paper Name	Code	Credit
<u>VII Semester</u>			<u>IX Semester</u>		
I(Th) Microbial Tools and Techniques	B080701T	4	I(Th) Immunology	B080901T	4
II(Th) Microbial Genetics	B080702T	4	II(Th) Microbial Biotechnology and Industrial Microbiology	B080902T	4
III(Th) Microbial Diversity	B080703T	4	III(Th) Computer Applications, Bioinformatics, statistics and Research Methodology	B080903T	4
IV(Th)a: Nutritional Therapy	B080704T	4	IV(Th)a: Food Chemistry	B080904T	4
IV(Th)b: Natural Resources and Conservation	B080705T	4	IV(Th)b: Food and Water Borne Disease	B080905T	4
ELECTIVE: ANY ONE OF B080704T, B080705T			ELECTIVE: ANY ONE OF B080904T, B080905T		
I(PR) Practical: Practical Lab	B080706P	4	I(PR) Practical: Practical Lab	B080906P	4
II(PR) Research Project	B080707R	4	II(PR) Research Project	B080907R	4
<u>VIII Semester</u>			<u>X Semester</u>		
I(Th) Microbial Growth and Physiological Diversity			I(Th) Medical Microbiology	B081001T	4
II(Th) Molecular Biology and Genetic Engineering	B080801T	4	II(Th) Human, Animal and Plant Virology	B081002T	4
III(Th) Agriculture and Environmental Microbiology	B080802T	4	III(Th) a: Food Processing, Preservation and Packaging	B081003T	4
IV(Th)a: Lab Diagnostic	B080803T	4	III(Th) b: Food Safety	B081004T	4
IV(Th)b: Food Microbiology	B080804T	4	ELECTIVE: ANY ONE OF B081003T, B081004T		
ELECTIVE: ANY ONE OF B080804T, B080805T	B080805T	4	IV(Th)a: Epidemiology	B081005T	4
I(PR) Practical: Practical Lab			IV(Th)b: Pharmaceutical Microbiology	B081006T	4
II(PR) Research Project	B080806P	4	ELECTIVE: ANY ONE OF B081005T, B081006T		
	B080807R	4	I(PR) Practical: Practical Lab	B081007P	4
			II(PR) Research Project	B081008R	4

B30. TOXICOLOGY

Paper Name	Code	Credit	Paper Name	Code	Credit
<u>VII Semester</u>			<u>IX Semester</u>		
I(Th) Principles of Toxicology	B300701T	4	I(Th) Toxicology of Heavy Metals	B300901T	4
II(Th) Environmental Toxicology	B300702T	4	II(Th) Toxicology of Pesticides	B300902T	4
III(Th) Systemic Toxicology	B300703T	4	III(Th) Toxicology of Organic Solvents	B300903T	4
IV(Th) Cellular and Molecular Toxicology	B300704T	4	IV(Th) Regulatory Toxicology	B300904T	4
II(PR) Practical :	B300705P	4	I(PR) Practical :	B300905P	4
I(PR) Research Project	B300706R	4	I(PR) Research Project -	B300906R	4
<u>VIII Semester</u>			<u>X Semester</u>		
I(Th) Immunotoxicology	B300801T	4	I(Th) Tools & Techniques in Toxicology	B301001T	4
II(Th) Biochemical Toxicology	B300802T	4	II(Th) Applied Toxicology	B301002T	4
III(Th) Chemical Carcinogenesis	B300803T	4	III(Th) Forensic Toxicology	B301003T	4
IV(Th) Occupational and Industrial Toxicology	B300804T	4	IV(Th) Experimental Design & Biostatistics	B301004T	4
I(PR) Practical :	B300805P	4	I(PR) Practical :	B301005P	4
I(PR) Research Project	B300806R	4	I(PR) Research Project	B301006R	4

MINOR ELECTIVE for VII Semester			
Sr. No.	Subject	Minor Elective: Paper Name	Subject Code
1	SOCIOLOGY	Fundamentals of Sociology (For Students Admitted till 2022-23 Session Only)	QA070701T
2	SOCIOLOGY	Social Problems in India(For Students Admitted w.e.f. 2023-24 Session)	QA070708T
3	ECONOMICS	Basic Economics	QA080701T
4	PSYCHOLOGY	Value Education and Life Skills	QA090701T
5	PHILOSOPHY	Indian Philosophical Systems	QA100701T
6	SOCIAL WORK	Foundations of Social Work	QA160701T
7	PHYSICS	Basic Science	QB010701T
8	MATHEMATICS	Vedic Mathematics	QB030701T
9	BOTANY	Disaster Management	QB040701T
10	STATISTICS	Essential Statistics	QB060701T
11	MICROBIOLOGY	Food Quality Testing	QB080701T
12	M.Com.	Elementary Commerce & Accounts	QB010701T
13	HINDI	Samanya Hindi	QA010701T
14	SANSKRIT	Applied Sanskrit	QA020701T
15	URDU	Assan Urdu	QA030701T
16	Political Science	Constitution of India	QA060701T
17	History	Indian Culture and Heritage	QA050701T
18	Public Administration	Development Administration	QA270701T
19	Chemistry	Chemistry in Life I	QB020701T
20	TOXICOLOGY	Forensic Science	QB300701T

MINOR ELECTIVE for VIII Semester			
1	History core elective course	Indian Rituals and Karma	QA050801T
2	Chemistry	Chemistry in Life II	QB020801T
3	HINDI	Kosh Vigyan	QA010801T
4	M.Com.	Principles of Management	QC010801T
5	TOXICOLOGY	Health and Hygiene	QB300801T
6	STATISTICS	Applied Statistics	QB060801T
7	PHYSICS	Nanoscience and Nanotechnology	QB010801T
8	MATHEMATICS	Quantative Aptitude	QB030801T
9	Poltical Science	Democracy in India	QA060801T
10	URDU	Urdu Aur Mass Media	QA030801T
11	SOCIOLOGY	Society and Culture India	QA070801T
12	SANSKRIT	Sanskrit Vangmaya mai Rajnetik Sidhant	QA020801T
13	BOTANY	Fascinating Plants	QB040801T
14	Public Administration	Administrative Law	QA270801T
15	PSYCHOLOGY	Value Education and Life Skills	QA090701T (Same Syllabus as VII Sem)

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सहा० कुलसचिव (परीक्षा)