2026-27 Arts (Humanities), Commerce & Science Sem I (Major/Core; Minor, Other Subjects & Papers Offered Based on NEP – 2020)

DEPT.	STREAM	MAJOR SUBJECT (Offered for Concerned Dept. Only)	MAJOR PAPER	MINOR SUBJECT (Offered for Other Department)	MINOR PAPER	MDC SUBJECT (Offered only for Other Departments except Commerce)	MDC PAPER	AEC (Odia/ Hindi/Sanskrit) Subject (Compulsory for All Students but select any one language only)	AEC PAPER	VAC SUBJECT (Compulsory for All Students)	VAC PAPER
ANT	ARTS	Introduction to Anthropology	Major (A)-1	Introduction to Anthropology	Minor (A)-1	Anthropology for Social Work (Only for any affiliated College)	MDC-1	Hindi - Prayojanmulak (Offered by Dept. of Hindi)	AEC-1	Environmental Studies & Disaster Management offered by Botany & Zoology	VAC-1
		Applications of Anthropology	Major (A)-2					Odia - Parisudha Bhasha 'O' Likhanadhara (Offered by Dept. of Odia)	AEC-1		
BOT	SCIENCE	Microbiology & Phycology	Major (A)-1	Microbiology & Phycology	Minor (A)-1	Bio-Fertilizers & Bio-Pesticides	MDC-1	Hindi - Prayojanmulak (Offered by Dept. of Hindi)	AEC-1	Environmental Studies & Disaster Management	VAC-1
		Analytical Techniques in Plant Science	Major (A)-2					Odia - Parisudha Bhasha 'O' Likhanadhara (Offered by Dept. of Odia)	AEC-1		
CHE	SCIENCE	Atomic Structure, Periodicity of Elements & Chemical Bonding	Major (A)-1	Atomic Structure, Periodicity of Elements & Chemical Bonding	Minor (A)-1	Biochemistry	MDC-1	Hindi - Prayojanmulak (Offered by Dept. of Hindi)	AEC-1	Environmental Studies & Disaster Management	VAC-1
		Fundamental Organic Chemistry	Major (A)-2					Odia - Parisudha Bhasha 'O' Likhanadhara (Offered by Dept. of Odia)	AEC-1		

DEPT.	STREAM	MAJOR SUBJECT (Offered for Concerned Dept. Only)	MAJOR PAPER	MINOR SUBJECT (Offered for Other Department)	MINOR PAPER	MDC SUBJECT (Offered only for Other Departments except Commerce)	MDC PAPER	AEC (Odia/ Hindi/Sanskrit) Subject (Compulsory for All Students but select any one language only)	AEC PAPER	VAC SUBJECT (Compulsory for All Students)	VAC PAPER
CSC	SCIENCE	Introduction to Computer Science & Python Programming	Major (A)-1	Introduction to Computer Science & Python Programming	Minor (A)-1	Computer Fundamentals	MDC-1	Hindi - Prayojanmulak (Offered by Dept. of Hindi)	AEC-1	Environmental Studies & Disaster Management	VAC-1
		Problem Solving with 'C' Program	Major (A)-2					Odia - Parisudha Bhasha 'O' Likhanadhara (Offered by Dept. of Odia)	AEC-1		
COM	COMMERCE	Financial Accounting	Major (A)-1	Business Organisation Management	Minor (A)-1	Economics	MDC-1	Hindi - Prayojanmulak (Offered by Dept. of Hindi)	AEC-1	Environmental Studies & Disaster Management	VAC-1
		Cost Accounting	Major (A)-2					Odia - Parisudha Bhasha 'O' Likhanadhara (Offered by Dept. of Odia)	AEC-1		
EDU	ARTS	Philosophical foundation of Education	Major (A)-1	Philosophical Foundation of Education	Minor (A)-1	Human Rights Education	MDC-1	Hindi - Prayojanmulak (Offered by Dept. of Hindi)	AEC-1	Environmental Studies & Disaster Management	VAC-1
		Psychological foundation of Education	Major (A)-2					Odia - Parisudha Bhasha 'O' Likhanadhara (Offered by Dept. of Odia)	AEC-1		

DEPT.	STREAM	MAJOR SUBJECT (Offered for Concerned Dept. Only)	MAJOR PAPER	MINOR SUBJECT (Offered for Other Department)	MINOR PAPER	MDC SUBJECT (Offered only for Other Departments except Commerce)	MDC PAPER	AEC (Odia/ Hindi/Sanskrit) Subject (Compulsory for All Students but select any one language only)	AEC PAPER	VAC SUBJECT (Compulsory for All Students)	VAC PAPER
ENG	ARTS	Introduction to Literary Studies	Major (A)-1	Introduction to Literary Studies	Minor (A)-1	Writings for Mass Media	MDC-1	Hindi - Prayojanmulak (Offered by Dept. of Hindi)	AEC-1	Environmental Studies & Disaster Management	VAC-1
		Introduction to Language & Linguistics	Major (A)-2					Odia - Parisudha Bhasha 'O' Likhanadhara (Offered by Dept. of Odia)	AEC-1		
ECO	ARTS	Basic Economics I	Major (A)-1	Basic Economics - I	Minor (A)-1	Indian Economy and Society	MDC-1	Hindi - Prayojanmulak (Offered by Dept. of Hindi)	AEC-1	Environmental Studies & Disaster Management	VAC-1
		Indian Economy I	Major (A)-2					Odia - Parisudha Bhasha 'O' Likhanadhara (Offered by Dept. of Odia)	AEC-1		
GEO	ARTS	Physical geography	Major (A)-1	Physical Geography	Minor (A)-1	Demography	MDC-1	Hindi - Prayojanmulak (Offered by Dept. of Hindi)	AEC-1	Environmental Studies & Disaster Management	VAC-1
		Human geography	Major (A)-2					Odia - Parisudha Bhasha 'O' Likhanadhara (Offered by Dept. of Odia)	AEC-1		

DEPT.	STREAM	MAJOR SUBJECT (Offered for Concerned Dept. Only)	MAJOR PAPER	MINOR SUBJECT (Offered for Other Department)	MINOR PAPER	MDC SUBJECT (Offered only for Other Departments except Commerce)	MDC PAPER	AEC (Odia/ Hindi/Sanskrit) Subject (Compulsory for All Students but select any one language only)	AEC PAPER	VAC SUBJECT (Compulsory for All Students)	VAC PAPER
HIN	ARTS	Hindi Sahitya Ka Itihas- I	Major (A)-1	Hindi Sahitya Ka Itihas- I	Minor (A)-1	Hindi Sahitya Aur Patrakarita	MDC-1	Hindi - Prayojanmulak (Offered by Dept. of Hindi)	AEC-1	Environmental Studies & Disaster Management	VAC-1
		Madhyakalin Hindi Kabita (Nirgun Evam Rambhakti Kabya Dhara)	Major (A)-2					Odia - Parisudha Bhasha 'O' Likhanadhara (Offered by Dept. of Odia)	AEC-1		
HIS	ARTS	History of India- I (From Prehistory to Vedic Age)	Major (A)-1	History of India - I (From Prehistory to Vedic Age)	Minor (A)-1	History of Science, Technology and Medicine in India	MDC-1	Hindi - Prayojanmulak (Offered by Dept. of Hindi)	AEC-1	Environmental Studies & Disaster Management	VAC-1
		Social Formations and Cultural Pattern of Ancient World	Major (A)-2					Odia - Parisudha Bhasha 'O' Likhanadhara (Offered by Dept. of Odia)	AEC-1		
HSC	ARTS	Human Physiology	Major (A)-1	Food and Nutrition	Minor (A)-1	Family Resource Management (Not for MMU in-campus students)	MDC-1	Hindi - Prayojanmulak (Offered by Dept. of Hindi)	AEC-1	Environmental Studies & Disaster Management	VAC-1
		Food and Nutrition	Major (A)-2					Odia - Parisudha Bhasha 'O' Likhanadhara (Offered by Dept. of Odia)	AEC-1		

DEPT.	STREAM	MAJOR SUBJECT (Offered for Concerned Dept. Only)	MAJOR PAPER	MINOR SUBJECT (Offered for Other Department)	MINOR PAPER	MDC SUBJECT (Offered only for Other Departments except Commerce)	MDC PAPER	AEC (Odia/ Hindi/Sanskrit) Subject (Compulsory for All Students but select any one language only)	AEC PAPER	VAC SUBJECT (Compulsory for All Students)	VAC PAPER
LSC	ARTS	Foundations of Library & Information Science	Major (A)-1	Information and Communication	Minor (A)-1	Library and Society	MDC-1	Hindi - Prayojanmulak (Offered by Dept. of Hindi)	AEC-1	Environmental Studies & Disaster Management	VAC-1
		Information and Communication	Major (A)-2					Odia - Parisudha Bhasha 'O' Likhanadhara (Offered by Dept. of Odia)	AEC-1		
MAT	SCIENCE	Calculus & Analytic Geometry	Major (A)-1	Introduction to Algebra & Number Theory	Minor (A)-1	Discrete Mathematics	MDC-1	Hindi - Prayojanmulak (Offered by Dept. of Hindi)	AEC-1	Environmental Studies & Disaster Management	VAC-1
		Introduction to Algebra & Number Theory	Major (A)-2					Odia - Parisudha Bhasha 'O' Likhanadhara (Offered by Dept. of Odia)	AEC-1		
ODI	ARTS	Bhsaha Vigyan	Major (A)-1	Sahityara Swarupa	Minor (A)-1	Tulanamakta Sahitya	MDC-1	Hindi - Prayojanmulak (Offered by Dept. of Hindi)	AEC-1	Environmental Studies & Disaster Management	VAC-1
		Sahityara Swarupa	Major (A)-2					Odia - Parisudha Bhasha 'O' Likhanadhara (Offered by Dept. of Odia)	AEC-1		

DEPT.	STREAM	MAJOR SUBJECT (Offered for Concerned Dept. Only)	MAJOR PAPER	MINOR SUBJECT (Offered for Other Department)	MINOR PAPER	MDC SUBJECT (Offered only for Other Departments except Commerce)	MDC PAPER	AEC (Odia/ Hindi/Sanskrit) Subject (Compulsory for All Students but select any one language only)	AEC PAPER	VAC SUBJECT (Compulsory for All Students)	VAC PAPER
PHI	ARTS	Introduction to Philosophy	Major (A)-1	Introduction to Philosophy	Minor (A)-1	Philosophy of Bhagavad Gita	MDC-1	Hindi - Prayojanmulak (Offered by Dept. of Hindi)	AEC-1	Environmental Studies & Disaster Management	VAC-1
		Introduction to Moral Philosophy	Major (A)-2					Odia - Parisudha Bhasha 'O' Likhanadhara (Offered by Dept. of Odia)	AEC-1		
PSC	ARTS	Fundamentals of Political Science	Major (A)-1	Introduction to the Constitution of India	Minor (A)-1	Human Rights	MDC-1	Hindi - Prayojanmulak (Offered by Dept. of Hindi)	AEC-1	Environmental Studies & Disaster Management	VAC-1
		Introduction to the Constitution of India	Major (A)-2					Odia - Parisudha Bhasha 'O' Likhanadhara (Offered by Dept. of Odia)	AEC-1		
PHY	SCIENCE	Mathematical Physics-1	Major (A)-1	Mechanics	Minor (A)-1	Biophysics	MDC-1	Hindi - Prayojanmulak (Offered by Dept. of Hindi)	AEC-1	Environmental Studies & Disaster Management	VAC-1
		Mechanics	Major (A)-2					Odia - Parisudha Bhasha 'O' Likhanadhara (Offered by Dept. of Odia)	AEC-1		

DEPT.	STREAM	MAJOR SUBJECT (Offered for Concerned Dept. Only)	MAJOR PAPER	MINOR SUBJECT (Offered for Other Department)	MINOR PAPER	MDC SUBJECT (Offered only for Other Departments except Commerce)	MDC PAPER	AEC (Odia/ Hindi/Sanskrit) Subject (Compulsory for All Students but select any one language only)	AEC PAPER	VAC SUBJECT (Compulsory for All Students)	VAC PAPER
PSY	ARTS	Introduction to Psychology	Major (A)-1	Introduction to Psychology	Minor (A)-1	Social Psychology	MDC-1	Hindi - Prayojanmulak (Offered by Dept. of Hindi)	AEC-1	Environmental Studies & Disaster Management	VAC-1
		Basic Psychological Process	Major (A)-2					Odia - Parisudha Bhasha 'O' Likhanadhara (Offered by Dept. of Odia)	AEC-1		
SAN	ARTS	Moral Teachings	Major (A)-1	Moral Teaching	Minor (A)-1	Fundamentals of Sanskrit Grammar	MDC-1	Hindi - Prayojanmulak (Offered by Dept. of Hindi)	AEC-1	Environmental Studies & Disaster Management	VAC-1
		Epics, Philosophy and History of Sanskrit Literature-1	Major (A)-2					Odia - Parisudha Bhasha 'O' Likhanadhara (Offered by Dept. of Odia)	AEC-1		
SOC	ARTS	Introduction to Sociology-I	Major (A)-1	Introduction to Sociology - I	Minor (A)-1	Population & Society	MDC-1	Hindi - Prayojanmulak (Offered by Dept. of Hindi)	AEC-1	Environmental Studies & Disaster Management	VAC-1
		Introduction to Sociology-II	Major (A)-2					Odia - Parisudha Bhasha 'O' Likhanadhara (Offered by Dept. of Odia)	AEC-1		

DEPT.	STREAM	MAJOR SUBJECT (Offered for Concerned Dept. Only)	MAJOR PAPER	MINOR SUBJECT (Offered for Other Department)	MINOR PAPER	MDC SUBJECT (Offered only for Other Departments except Commerce)	MDC PAPER	AEC (Odia/ Hindi/Sanskrit) Subject (Compulsory for All Students but select any one language only)	AEC PAPER	VAC SUBJECT (Compulsory for All Students)	VAC PAPER
ZOO	SCIENCE	Invertebrates (Protista to Echinodermata)	Major (A)-1	Invertebrates (Protista to Echinodermata)	Minor (A)-1	Vector Borne Disease & Epidemiology	MDC-1	Hindi - Prayojanmulak (Offered by Dept. of Hindi)	AEC-1	Environmental Studies & Disaster Management	VAC-1
		Diversity of Chordates (Protochordates to Mammalia)	Major (A)-2					Odia - Parisudha Bhasha 'O' Likhanadhara (Offered by Dept. of Odia)	AEC-1		

*NB: In case a student opts for NCC and clears 'C' certificate additional 16 Credits shall be awarded in the Degree Certificate.

LIST OF MINOR SUBJECTS OFFERED BY DIFFERENT DEPT. IN UG SEMESTER –I
(Students of other department shall opt only one Minor Subject offered by different departments. Students shouldn't opt the Minor subjects offered by their own department)

Sl. No.	DEPARTMENT	MINOR SUBJECT TITLE	MINOR PAPER
1	ANTHROPOLOGY (ANT)	Introduction to Anthropology	Minor (A)-1
2	BOTANY (BOT)	Microbiology & Phycology	Minor (A)-1
3	CHEMISTRY (CHE)	Atomic Structure, Periodicity of Elements & Chemical Bonding	Minor (A)-1
4	COMPUTER SCIENCE (CSC)	Introduction to Computer Science & Python Programming	Minor (A)-1
5	COMMERCE (COM)	Business Organisation Management	Minor (A)-1
6	EDUCATION (EDU)	Philosophical Foundation of Education	Minor (A)-1
7	ENGLISH (ENG)	Introduction to Literary Studies	Minor (A)-1
8	ECONOMICS (ECO)	Basic Economics – I	Minor (A)-1
9	GEOGRAPHY (GEO)	Physical Geography	Minor (A)-1
10	HINDI (HIN)	Hindi Sahitya Ka Itihas- I	Minor (A)-1
11	HISTORY (HIS)	History of India - I (From Prehistory to Vedic Age)	Minor (A)-1
12	HOME SCIENCE (HSC)	Food and Nutrition	Minor (A)-1
13	LIBRARY SCIENCE (LSC)	Information and Communication	Minor (A)-1
14	MATHEMATICS (MAT)	Introduction to Algebra & Number Theory	Minor (A)-1
15	ODIA (ODI)	Sahityara Swarupa	Minor (A)-1
16	PHILOSOPHY (PHI)	Introduction to Philosophy	Minor (A)-1
17	POLITICAL SCIENCE (PSC)	Introduction to the Constitution of India	Minor (A)-1
18	PHYSICS (PHY)	Mechanics	Minor (A)-1
19	PSYCHOLOGY (PSY)	Introduction to Psychology	Minor (A)-1
20	SANSKRIT (SAN)	Moral Teaching	Minor (A)-1
21	SOCIOLOGY (SOC)	Introduction to Sociology - I	Minor (A)-1
22	ZOOLOGY (ZOO)	Invertebrates (Protista to Echinodermata)	Minor (A)-1

* In Minor (A)-1, 'A' refers to Odd Semester

LIST OF MDC SUBJECTS OFFERED BY DIFFERENT DEPT. IN UG SEMESTER –I

(Students of other department shall opt only one MDC Subject offered by different departments. Students shouldn't opt the MDC subjects offered by their own department. Exception for Commerce students; they can opt subjects offered by their own department)

Sl. No.	DEPARTMENT	MDC SUBJECT TITLE	MDC PAPER
1	ANTHROPOLOGY (ANT)	Anthropology for Social Work (Not offered for MMU In-Campus but many be opted by any affiliated College)	MDC-1
2	BOTANY (BOT)	Bio-Fertilizers & Bio-Pesticides	MDC-1
3	CHEMISTRY (CHE)	Biochemistry	MDC-1
4	COMPUTER SCIENCE (CSC)	Computer Fundamentals	MDC-1
5	COMMERCE (COM)	Economics	MDC-1
6	EDUCATION (EDU)	Human Rights Education	MDC-1
7	ENGLISH (ENG)	Writings for Mass Media	MDC-1
8	ECONOMICS (ECO)	Indian Economy and Society	MDC-1
9	GEOGRAPHY (GEO)	Demography	MDC-1
10	HINDI (HIN)	Hindi Sahitya Aur Patrakarita	MDC-1
11	HISTORY (HIS)	History of Science, Technology and Medicine in India	MDC-1
12	HOME SCIENCE (HSC)	Family Resource Management (Not for MMU in-campus students)	MDC-1
13	LIBRARY SCIENCE (LSC)	Library and Society	MDC-1
14	MATHEMATICS (MAT)	Discrete Mathematics	MDC-1
15	ODIA (ODI)	Tulanamakta Sahitya	MDC-1
16	PHILOSOPHY (PHI)	Philosophy of Bhagavad Gita	MDC-1
17	POLITICAL SCIENCE (PSC)	Human Rights	MDC-1
18	PHYSICS (PHY)	Biophysics	MDC-1
19	PSYCHOLOGY (PSY)	Social Psychology	MDC-1
20	SANSKRIT (SAN)	Fundamentals of Sanskrit Grammar	MDC-1
21	SOCIOLOGY (SOC)	Population & Society	MDC-1
22	ZOOLOGY (ZOO)	Vector Borne Disease & Epidemiology	MDC-1

LIST OF AEC-1 SUBJECTS OFFERED BY DIFFERENT DEPT. IN UG SEMESTER –I

(Students shall opt any one Language AEC Subject offered by following two departments.)

1	HINDI (HIN)	Prayojanmulak	AEC-1
2	ODIA (ODI)	Parisudha Bhasha 'O' Likhanadhara	AEC-1

LIST OF VAC-1 SUBJECTS OFFERED BY DIFFERENT DEPT. IN UG SEMESTER –I

(The classes of VAC-I subject will be undertaken by three Departments for UG Sem-I Students in MMU)

***Affiliated colleges can adopt such scheme or any other mode as convenient & feasible for classes**

1	BOTANT (BOT)	Environmental Studies & Disaster Management (for Science and Commerce Stream in MMU)	VAC-1
2	ZOOLOGY (ZOO)		
3	GEOGRAPHY (GEO)	Environmental Studies & Disaster Management (for Arts Stream in MMU)	VAC-1

2026-27 Arts (Humanities), Commerce & Science Sem III (Major/Core; Minor, Other Subjects & Papers Offered Based on NEP – 2020)

DEPT.	STREAM	MAJOR SUBJECT (Offered for Concerned Dept. Only)	MAJOR PAPER	MINOR SUBJECT (Offered for Other Department)	MINOR PAPER	MDC SUBJECT (Offered only for Other Departments except Commerce)	MDC PAPER	VAC SUBJECT (Offered for Concern and Other Dept.)	VAC PAPER
ANT	ARTS	Introduction to Biological Anthropology	Major (A)-5	Application of Anthropology	Minor (A)-2	---	MDC-3	---	VAC-2
		Tribal and Indigenous Communities of India	Major (A)-6						
		Indian Anthropology	Major (A)-7						
BOT	SCIENCE	Archegoniate	Major (A)-5	Archegoniate	Minor (A)-2	Tissue Culture of Plants	MDC-3	---	VAC-2
		Anatomy of Angiosperms & Economic Botany	Major (A)-6						
		Genetics	Major (A)-7						
CHE	SCIENCE	Acids & Bases, Metallurgy, Chemistry of Main Group Elements	Major (A)-5	Fundamental Organic Chemistry	Minor (A)-2	Bio-Physical Chemistry	MDC-3	---	VAC-2
		Chemistry of Halogen, Oxygen & Sulfur Containing Organic Compounds	Major (A)-6						
		Phase Equilibrium, Chemical Dynamics, Catalysis and Surface Chemistry	Major (A)-7						
CSC	SCIENCE	Discrete Mathematical Structure	Major (A)-5	Computer Network	Minor (A)-2	Internet & Ethical Practices	MDC-3	---	VAC-2
		Computer Organisation	Major (A)-6						
		Operating Systems	Major (A)-7						

DEPT.	STREAM	MAJOR SUBJECT (Offered for Concerned Dept. Only)	MAJOR PAPER	MINOR SUBJECT (Offered for Other Department)	MINOR PAPER	MDC SUBJECT (Offered only for Other Departments except Commerce)	MDC PAPER	VAC SUBJECT (Offered for Concern and Other Dept.)	VAC PAPER
COM	COMMERCE	Financial Markets and Institutions	Major (A)-5	Financial Literacy	Minor (A)-2	Entrepreneurship Development and Start-up	MDC-3	Understanding India (*Opted from Open List)	VAC-2
		GST and other Indirect Taxes (Customs)	Major (A)-6	Fundamentals of Investment and Planning	Minor (A)-2	Business Model Innovation	MDC-3		
		Management Accounting	Major (A)-7						
EDU	ARTS	Assessment and Evaluation in Education	Major (A)-5	Psychological Foundation of Education	Minor (A)-2	Historical Bases of Indian Education	MDC-3	Ethical Practices and Education	VAC-2
		Historical bases of Indian Education	Major (A)-6						
		Educational thinkers of Modern India	Major (A)-7						
ENG	ARTS	Indian Classical Literature	Major (A)-5	Indian Classical Literature	Minor (A)-2	Professional Writing	MDC-3	Creative Writing (*Opted from basket of Journalism & Mass Communication)	VAC-2
		British Poetry and Drama (17th & 18th C)	Major (A)-6						
		British Prose (18th Century)	Major (A)-7						
ECO	ARTS	Microeconomics – I	Major (A)-5	Indian Economy - I	Minor (A)-2	---	MDC-3	---	VAC-2
		Macroeconomics – I	Major (A)-6						
		Mathematical Methods for Economics – I	Major (A)-7						
GEO	ARTS	Environmental Geography and Biogeography	Major (A)-5	Environmental Geography and Biogeography	Minor (A)-2	Agricultural Geography	MDC-3	---	VAC-2
		Quantitative Techniques in Geography	Major (A)-6						
		Economic Geography	Major (A)-7						

DEPT.	STREAM	MAJOR SUBJECT (Offered for Concerned Dept. Only)	MAJOR PAPER	MINOR SUBJECT (Offered for Other Department)	MINOR PAPER	MDC SUBJECT (Offered only for Other Departments except Commerce)	MDC PAPER	VAC SUBJECT (Offered for Concern and Other Dept.)	VAC PAPER
HIN	ARTS	Anubad Siddhant Aur Prayog	Major (A)-5	Madhyakalin Hindi Kabita	Minor (A)-2	Hindi Sahitya Aur Cinema	MDC-3	---	VAC-2
		Karyalayi Hindi	Major (A)-6						
		Hindi Katha Sahitya (Kahani)	Major (A)-7						
HIS	ARTS	History of India-III (circa 750 -1206)	Major (A)-5	History of India (c.1206 - 1526)	Minor (A)-2	History of Education in Modern India	MDC-3	---	VAC-2
		Rise of the Modern West – I	Major (A)-6						
		History of India (c.1206 - 1526)	Major (A)-7						
HSC	ARTS	Home Science Extension Education	Major (A)-5	Child Development (Not for MMU in-campus students)	Minor (A)-2	Food & Nutrition (Not for MMU in-campus students)	MDC-3	Food Preservation & Processing (Not for MMU in-campus students)	VAC-2
		Introduction to Textiles	Major (A)-6						
		Development in Late Childhood and Adolescence	Major (A)-7						
LSC	ARTS	Library Management – I	Major (A)-5	Information Sources	Minor (A)-2	Library Resources & Services	MDC-3	---	VAC-2
		Computer Fundamentals	Major (A)-6						
		Internet and Web Technologies	Major (A)-7						
MAT	SCIENCE / ARTS	Probability	Major (A)-5	Real Analysis – I	Minor (A)-2	Numerical Method	MDC-3	Operation Research	VAC-2
		Differential Equation – I	Major (A)-6						
		Linear Algebra	Major (A)-7						

DEPT.	STREAM	MAJOR SUBJECT (Offered for Concerned Dept. Only)	MAJOR PAPER	MINOR SUBJECT (Offered for Other Department)	MINOR PAPER	MDC SUBJECT (Offered only for Other Departments except Commerce)	MDC PAPER	VAC SUBJECT (Offered for Concern and Other Dept.)	VAC PAPER
ODI	ARTS	Adhunika Odia Sahityara Itihas: Nabajagarana Juga 'O' Satyabadi Dhara	Major (A)-5	Sahitya Addhyana	Minor (A)-3	Bigyana Bisaya 'O' Sahitya	MDC-3	Sri Jagannath Sanskruti	VAC-2
		Adhunik Odia Sahityara Itihas: Sabuja, Pragatibadi Dhara 'O' Swadhina Parabarti Kala	Major (A)-6						
		Prachina 'O' Madhyugia Odia Kabita	Major (A)-7						
PHI	ARTS	Greek Philosophy	Major (A)-5	Systems of Indian Philosophy – I	Minor (A)-3	Peace and Conflict Studies	MDC-3	Kautilya's Philosophy & Political Thought	VAC-2
		Modern European Philosophy – I	Major (A)-6						
		Systems of Indian Philosophy – I	Major (A)-7						
PSC	ARTS	Colonialism & Nationalism in India	Major (A)-5	International Relations	Minor (A)-3	Understanding Gandhi and Ambedkar	MDC-3	---	VAC-2
		International Relations	Major (A)-6						
		Western Political Thought – I	Major (A)-7						
PHY	SCIENCE	Wave and Optics	Major (A)-5	Thermal Physics	Minor (A)-3	Nano-materials and Applications	MDC-3	---	VAC-2
		Mathematical Physics – 3	Major (A)-6						
		Thermal Physics	Major (A)-7						
PSY	ARTS	Fundamentals of Social Psychology	Major (A)-5	Basic Psychological Process	Minor (A)-3	Health Psychology	MDC-3	Organisational Behaviour	VAC-2
		Psychological Statistics – I	Major (A)-6						
		Psychopathology – I	Major (A)-7						

DEPT.	STREAM	MAJOR SUBJECT (Offered for Concerned Dept. Only)	MAJOR PAPER	MINOR SUBJECT (Offered for Other Department)	MINOR PAPER	MDC SUBJECT (Offered only for Other Departments except Commerce)	MDC PAPER	VAC SUBJECT (Offered for Concern and Other Dept.)	VAC PAPER
SAN	ARTS	Introduction to the Techniques of Pāṇinian Grammar and Prosody	Major (A)-5	Epics, Philosophy and History of Sanskrit Literature – 1	Minor (A)-3	---	MDC-3	---	VAC-2
		Drama and Dramaturgy	Major (A)-6						
		Rules of Paninian Grammar, Poetics and Figures of Speech	Major (A)-7						
SOC	ARTS	Social Change and Development	Major (A)-5	Social Changes and Development	Minor (A)-3	Crime & Society	MDC-3	---	VAC-2
		Sociology of Gender	Major (A)-6						
		Sociology of Vulnerable Communities in India	Major (A)-7						
ZOO	SCIENCE	Principles of Ecology	Major (A)-5	Diversity of Chordates (Protochordates to Mammalia)	Minor (A)-3	Environmental Impact Assessment & Environmental Management Plan	MDC-3	---	VAC-2
		Physiology: Controlling & Coordinating System	Major (A)-6						
		Fundamentals of Biochemistry	Major (A)-7						

N.B: An additional VAC Subject - Ethics & Values (Paper: VAC-2) shall be offered only for 3rd Sem Student of 2025 -2026 Batch.

LIST OF MINOR SUBJECTS OFFERED BY DIFFERENT DEPT. IN UG SEMESTER – III
(Students of other department shall opt only one Minor Subject offered by different departments. Students shouldn't opt the Minor subjects offered by their own department)

Sl. No.	DEPARTMENT	MINOR SUBJECT TITLE	MINOR PAPER
1	ANTHROPOLOGY (ANT)	Application of Anthropology	Minor (A)-2
2	BOTANY (BOT)	Archegoniate	Minor (A)-2
3	CHEMISTRY (CHE)	Fundamental Organic Chemistry	Minor (A)-2
4	COMPUTER SCIENCE (CSC)	Computer Network	Minor (A)-2
5	COMMERCE (COM)	Financial Literacy Fundamentals of Investment and Planning	Minor (A)-2
6	EDUCATION (EDU)	Psychological Foundation of Education	Minor (A)-2
7	ENGLISH (ENG)	Indian Classical Literature	Minor (A)-2
8	ECONOMICS (ECO)	Indian Economy – I	Minor (A)-2
9	GEOGRAPHY (GEO)	Environmental Geography and Biogeography	Minor (A)-2
10	HINDI (HIN)	Madhyakalin Hindi Kabita	Minor (A)-2
11	HISTORY (HIS)	History of India (c.1206 - 1526)	Minor (A)-2
12	HOME SCIENCE (HSC)	Child Development	Minor (A)-2
13	LIBRARY SCIENCE (LSC)	Information Sources	Minor (A)-3
14	MATHEMATICS (MAT)	Real Analysis – I	Minor (A)-2
15	ODIA (ODI)	Sahitya Addhyana	Minor (A)-2
16	PHILOSOPHY (PHI)	Systems of Indian Philosophy – I	Minor (A)-2
17	POLITICAL SCIENCE (PSC)	International Relations	Minor (A)-2
18	PHYSICS (PHY)	Thermal Physics	Minor (A)-2
19	PSYCHOLOGY (PSY)	Basic Psychological Process	Minor (A)-2
20	SANSKRIT (SAN)	Epics, Philosophy and History of Sanskrit Literature – 1	Minor (A)-2
21	SOCIOLOGY (SOC)	Social Changes and Development	Minor (A)-2
22	ZOOLOGY (ZOO)	Diversity of Chordates (Protochordates to Mammalia)	Minor (A)-2

LIST OF MDC-3 SUBJECTS OFFERED BY DIFFERENT DEPT. IN UG SEMESTER – III
(Students of other department shall opt only one MDC Subject offered by different departments. Students shouldn't opt the MDC subjects offered by their own department. Exception for Commerce students; they can opt subjects offered by their own department)

Sl. No.	DEPARTMENT	MDC SUBJECT TITLE	MDC PAPER
1	ANTHROPOLOGY (ANT)	---	MDC-3
2	BOTANY (BOT)	Tissue Culture of Plants	MDC-3
3	CHEMISTRY (CHE)	Bio-Physical Chemistry	MDC-3
4	COMPUTER SCIENCE (CSC)	Internet & Ethical Practices	MDC-3
5	COMMERCE (COM)	Entrepreneurship Development and Start-up	MDC-3
		Business Model Innovation	MDC-3
6	EDUCATION (EDU)	Historical Bases of Indian Education	MDC-3
7	ENGLISH (ENG)	Professional Writing	MDC-3
8	ECONOMICS (ECO)	---	MDC-3
9	GEOGRAPHY (GEO)	Agricultural Geography	MDC-3
10	HINDI (HIN)	Hindi Sahitya Aur Cinema	MDC-3
11	HISTORY (HIS)	History of Education in Modern India	MDC-3
12	HOME SCIENCE (HSC)	Food & Nutrition (Not for MMU in-campus students)	MDC-3
13	LIBRARY SCIENCE (LSC)	Library Resources & Services	MDC-3
14	MATHEMATICS (MAT)	Numerical Method	MDC-3
15	ODIA (ODI)	Bigyana Bisaya 'O' Sahitya	MDC-3
16	PHILOSOPHY (PHI)	Peace and Conflict Studies	MDC-3
17	POLITICAL SCIENCE (PSC)	Understanding Gandhi and Ambedkar	MDC-3
18	PHYSICS (PHY)	Nano-materials and Applications	MDC-3
19	PSYCHOLOGY (PSY)	Health Psychology	MDC-3
20	SANSKRIT (SAN)	---	MDC-3
21	SOCIOLOGY (SOC)	Crime & Society	MDC-3
22	ZOOLOGY (ZOO)	Environmental Impact Assessment & Environmental Management Plan	MDC-3

LIST OF VAC-2 SUBJECTS OFFERED BY DIFFERENT DEPT. IN UG SEMESTER – III
(Student can Opt Only One VAC Subject irrespective of their departments. VAC subject can be from their own department or other departments)

Sl. No.	DEPARTMENT	VAC SUBJECT TITLE	VAC PAPER
1	ANTHROPOLOGY (ANT)	---	VAC-2
2	BOTANY (BOT)	---	VAC-2
3	CHEMISTRY (CHE)	---	VAC-2
4	COMPUTER SCIENCE (CSC)	---	VAC-2
5	COMMERCE (COM)	Understanding India (*Opted from Open List)	VAC-2
6	EDUCATION (EDU)	Ethical Practices and Education	VAC-2
7	ENGLISH (ENG)	Creative Writing (*Opted from basket of Journalism & Mass Communication)	VAC-2
8	ECONOMICS (ECO)	---	VAC-2
9	GEOGRAPHY (GEO)	---	VAC-2
10	HINDI (HIN)	---	VAC-2
11	HISTORY (HIS)	---	VAC-2
12	HOME SCIENCE (HSC)	Food Preservation & Processing (Not for MMU in-campus students)	VAC-2
13	LIBRARY SCIENCE (LSC)	---	VAC-2
14	MATHEMATICS (MAT)	Operation Research	VAC-2
15	ODIA (ODI)	Sri Jagannath Sanskruti	VAC-2
16	PHILOSOPHY (PHI)	Kautilya's Philosophy & Political Thought	VAC-2
17	POLITICAL SCIENCE (PSC)	---	VAC-2
18	PHYSICS (PHY)	---	VAC-2
19	PSYCHOLOGY (PSY)	Organisational Behaviour	VAC-2
20	SANSKRIT (SAN)	---	VAC-2
21	SOCIOLOGY (SOC)	---	VAC-2
22	ZOOLOGY (ZOO)	---	VAC-2

N.B: An additional VAC Subject - Ethics & Values (Paper: VAC-2) shall be offered only for 3rd Sem Student of 2025 -2026 Batch.

2026-27 Arts (Humanities), Commerce & Science Sem V (Major/Core; Minor, Other Subjects & Papers Offered Based on NEP – 2020)

DEPT.	STREAM	MAJOR SUBJECT (Offered for Concerned Dept. Only)	MAJOR PAPER	MINOR SUBJECT (Offered for Other Department)	MINOR PAPER	SEC SUBJECT (Offered for Concern and Other Departments)	SEC PAPER	VAC SUBJECT (Compulsory for All Students)	VAC PAPER
ANT	ARTS	Demographic Anthropology	Major (A)-11	Introduction to Socio-Cultural Anthropology	Minor (A)-3	Doing Ethnography (*Opted from Subject Basket of Sociology) (Not for MMU In-Campus)	SEC-2	AI	VAC-3
		Human Growth and Development	Major (A)-12						
		Anthropological Thoughts and Theories-I	Major (A)-13						
BOT	SCIENCE	Reproductive Biology of Angiosperms	Major (A)-11	Basic Plant Physiology	Minor (A)-3	Organic Farming	SEC-2	AI	VAC-3
		Basic Plant Physiology	Major (A)-12						
		Basic Plant Biotechnology	Major (A)-13						
CHE	SCIENCE	Organic Spectroscopy	Major (A)-11	States of Matter & Ionic Equilibrium	Minor (A)-3	Computational Chemistry & Molecular Modelling	SEC-2	AI	VAC-3
		Basic Quantum Chemistry, Molecular & Electronic Spectroscopy and Photochemistry	Major (A)-12						
		Chemistry of Organometallic Compounds	Major (A)-13						
CSC	SCIENCE	Software Engineering	Major (A)-11	Introduction to AI	Minor (A)-3	Principle of Management	SEC-2	AI	VAC-3
		Introduction to AI	Major (A)-12						
		Programming in JAVA	Major (A)-13						

DEPT.	STREAM	MAJOR SUBJECT (Offered for Concerned Dept. Only)	MAJOR PAPER	MINOR SUBJECT (Offered for Other Department)	MINOR PAPER	SEC SUBJECT (Offered for Concern and Other Departments)	SEC PAPER	VAC SUBJECT (Compulsory for All Students)	VAC PAPER
COM	COMMERCE	Financial Statement Analysis	Major (A)-11	Digital Marketing	Minor (A)-3	Fundamentals of Data Science and Data Management	SEC-2	AI	VAC-3
		Business Data Analytics	Major (A)-12						
		Fundamentals of IND-AS & IFRS	Major (A)-13	Insurance Theory and Practices	Minor (A)-3				
EDU	ARTS	Pedagogy of Odia / Pedagogy of English	Major (A)-11	Sociology of Education	Minor (A)-3	Peace Education	SEC-2	AI	VAC-3
		Pedagogy of Social Science	Major (A)-12						
		Development of Education in Odisha	Major (A)-13						
ENG	ARTS	Introduction to Indian Writing in English	Major (A)-11	Introduction to Indian Writing in English	Minor (A)-3	Personality Development (*Opted from Subject Basket of Public Administration)	SEC-2	AI	VAC-3
		Literature Criticism from Ploto to Leavis	Major (A)-12						
		Modern English Literature (20th Century)	Major (A)-13						
ECO	ARTS	Development Economics - I	Major (A)-11	Development Economics - I	Minor (A)-3	Data Analytics - I	SEC-2	AI	VAC-3
		Mathematical Methods for Economics II	Major (A)-12						
		Money and Banking (for MMU In-Campus) / History of Economic Thought / Economy of Odisha	Major (A)-13						
GEO	ARTS	Regional Planning and Development	Major (A)-11	Geography of Odisha	Minor (A)-3	---	SEC-2	AI	VAC-3
		Geography of Odisha	Major (A)-12						
		Climatology and Oceanography	Major (A)-13						

DEPT.	STREAM	MAJOR SUBJECT (Offered for Concerned Dept. Only)	MAJOR PAPER	MINOR SUBJECT (Offered for Other Department)	MINOR PAPER	SEC SUBJECT (Offered for Concern and Other Departments)	SEC PAPER	VAC SUBJECT (Compulsory for All Students)	VAC PAPER
HIN	ARTS	Hindi Bhasha Aur Bhasha Vigyan	Major (A)-11	Krushna Bhakti Evam Ritikalin Hindi Kavita	Minor (A)-3	---	SEC-2	AI	VAC-3
		Bharitya Kabya Sashtra	Major (A)-12						
		Adhunik Hindi Kabita (2)	Major (A)-13						
HIS	ARTS	History of Modern Europe- I (c. 1780-1880)	Major (A)-11	History of India (1857-1950)	Minor (A)-3	**Historian Craft** (MMU In-Campus & Other Colleges) / **Basics of Archives & Museum** (For any interested affiliated Colleges)	SEC-2	AI	VAC-3
		History of India (c. 1750 - 1857)	Major (A)-12						
		History of India (c. 1857 - 1950)	Major (A)-13						
HSC	ARTS	Marriage and Family Studies	Major (A)-11	Family Resource Management (Not for MMU in-campus students)	Minor (A)-3	---	SEC-2	AI	VAC-3
		Family Finance and Consumer Studies	Major (A)-12						
		Community Health and Nutrition	Major (A)-13						
LSC	ARTS	Web based Information Services	Major (A)-11	Fundamental of Computer	Minor (A)-3	Online Search Strategies & Techniques	SEC-2	AI	VAC-3
		Information Systems	Major (A)-12						
		Resource Description	Major (A)-13						
MAT	SCIENCE / ARTS	Real Analysis – III	Major (A)-11	Linear Algebra	Minor (A)-3	Analytical Ability & Logical Reasoning (*Opted from Subject Basket of Social Work)	SEC-2	AI	VAC-3
		Differential Equation – II	Major (A)-12						
		Numerical Analysis & Scientific Computing	Major (A)-13						

DEPT.	STREAM	MAJOR SUBJECT (Offered for Concerned Dept. Only)	MAJOR PAPER	MINOR SUBJECT (Offered for Other Department)	MINOR PAPER	SEC SUBJECT (Offered for Concern and Other Departments)	SEC PAPER	VAC SUBJECT (Compulsory for All Students)	VAC PAPER
ODI	ARTS	Adhinika Odia Gadya Sahitya	Major (A)-11	Prachina, Madhya Juga 'O' Adhunik Odia Sahitya	Minor (A)-3	Ganamdhyama 'O' Ganajogajoga	SEC-2	AI	VAC-3
		Odia Lokasahitya	Major (A)-12						
		Odia Bhasha 'O' Lipira Aeitihasika Bibartana	Major (A)-13						
PHI	ARTS	Modern European Philosophy – II	Major (A)-11	Symbolic Logic	Minor (A)-3	---	SEC-2	AI	VAC-3
		Applied Ethics	Major (A)-12						
		Philosophy of Language	Major (A)-13						
PSC	ARTS	Global Politics	Major (A)-11	Indian Political Ideas – I	Minor (A)-3	Electoral Studies & Public Opinion Poll	SEC-2	AI	VAC-3
		Comparative Politics	Major (A)-12						
		Indian Political Ideas – I	Major (A)-13						
PHY	SCIENCE	Digital System	Major (A)-11	Digital System	Minor (A)-3	Applied Optics and Photonics	SEC-2	AI	VAC-3
		Quantum Mechanics and Application	Major (A)-12						
		Solid State Physics	Major (A)-13						
PSY	ARTS	Organisational Behaviour	Major (A)-11	Process of Human Empowerment	Minor (A)-3	Psychological First Aid	SEC-2	AI	VAC-3
		Psychology for Health Living	Major (A)-12						
		Fundamentals of Counselling Psychology	Major (A)-13						

DEPT.	STREAM	MAJOR SUBJECT (Offered for Concerned Dept. Only)	MAJOR PAPER	MINOR SUBJECT (Offered for Other Department)	MINOR PAPER	SEC SUBJECT (Offered for Concern and Other Departments)	SEC PAPER	VAC SUBJECT (Compulsory for All Students)	VAC PAPER
SAN	ARTS	Gadyakavyam Padyakavyam Abhilekhasca (Prose, Poetry and Inscription)	Major (A)-11	Prose and Poetry – I	Minor (A)-3	---	SEC-2	AI	VAC-3
		Vaidika Sukta and Vaidika Sahitya	Major (A)-12						
		Dharmasastra and Arthasastra	Major (A)-13						
SOC	ARTS	Contemporary Social Issues in India	Major (A)-11	Globalisation and Society	Minor (A)-3	---	SEC-2	AI	VAC-3
		Social Movements in India	Major (A)-12						
		Globalisation and Society	Major (A)-13						
ZOO	SCIENCE	Biochemistry of Metabolic Processes	Major (A)-11	Microbiology	Minor (A)-3	Microbial Diagnosis in Health Clinics	SEC-2	AI	VAC-3
		Principles of Genetics	Major (A)-12						
		Molecular Biology	Major (A)-13						

LIST OF MINOR SUBJECTS OFFERED BY DIFFERENT DEPT. IN UG SEMESTER – V
(Students of other department shall opt only one Minor Subject offered by different departments. Students shouldn't opt their minor subjects offered by their own department)

Sl. No.	DEPARTMENT	MINOR SUBJECT TITLE	MINOR PAPER
1	ANTHROPOLOGY (ANT)	Introduction to Socio-Cultural Anthropology	Minor (A)-3
2	BOTANY (BOT)	Basic Plant Physiology	Minor (A)-3
3	CHEMISTRY (CHE)	States of Matter & Ionic Equilibrium	Minor (A)-3
4	COMPUTER SCIENCE (CSC)	Introduction to AI	Minor (A)-3
5	COMMERCE (COM)	Digital Marketing Insurance Theory and Practices	Minor (A)-3
6	EDUCATION (EDU)	Sociology of Education	Minor (A)-3
7	ENGLISH (ENG)	Introduction to Indian Writing in English	Minor (A)-3
8	ECONOMICS (ECO)	Development Economics – I	Minor (A)-3
9	GEOGRAPHY (GEO)	Geography of Odisha	Minor (A)-3
10	HINDI (HIN)	Krushna Bhakti Evam Ritikalin Hindi Kavita	Minor (A)-3
11	HISTORY (HIS)	History of India (1857-1950)	Minor (A)-3
12	HOME SCIENCE (HSC)	Family Resource Management (Not for MMU in-campus students)	Minor (A)-3
13	LIBRARY SCIENCE (LSC)	Fundamental of Computer	Minor (A)-3
14	MATHEMATICS (MAT)	Linear Algebra	Minor (A)-3
15	ODIA (ODI)	Prachina, Madhya Juga 'O' Adhunik Odia Sahitya	Minor (A)-3
16	PHILOSOPHY (PHI)	Symbolic Logic	Minor (A)-3
17	POLITICAL SCIENCE (PSC)	Indian Political Ideas – I	Minor (A)-3
18	PHYSICS (PHY)	Digital System	Minor (A)-3
19	PSYCHOLOGY (PSY)	Process of Human Empowerment	Minor (A)-3
20	SANSKRIT (SAN)	Prose and Poetry – I	Minor (A)-3
21	SOCIOLOGY (SOC)	Globalisation and Society	Minor (A)-3
22	ZOOLOGY (ZOO)	Microbiology	Minor (A)-3

LIST OF SEC-2 SUBJECTS OFFERED BY DIFFERENT DEPT. IN UG SEMESTER – V
(Student can Opt Only One SEC Subject irrespective of their departments. SEC subject can be from their own department or other departments)

Sl. No.	DEPARTMENT	SEC SUBJECT TITLE	SEC PAPER
1	ANTHROPOLOGY (ANT)	Doing Ethnography (*Opted from Subject Basket of Sociology) (Not for MMU In-Campus)	SEC-2
2	BOTANY (BOT)	Organic Farming	SEC-2
3	CHEMISTRY (CHE)	Computational Chemistry & Molecular Modelling	SEC-2
4	COMPUTER SCIENCE (CSC)	Principle of Management	SEC-2
5	COMMERCE (COM)	Fundamentals of Data Science and Data Management	SEC-2
6	EDUCATION (EDU)	Peace Education	SEC-2
7	ENGLISH (ENG)	Personality Development (*Opted from Subject Basket of Public Administration)	SEC-2
8	ECONOMICS (ECO)	Data Analytics – I	SEC-2
9	GEOGRAPHY (GEO)	---	SEC-2
10	HINDI (HIN)	---	SEC-2
11	HISTORY (HIS)	Historian Craft (MMU In-Campus & Others Colleges) / Basics of Archives & Museum (For interested affiliated Colleges)	SEC-2
12	HOME SCIENCE (HSC)	---	SEC-2
13	LIBRARY SCIENCE (LSC)	Online Search Strategies & Techniques	SEC-2
14	MATHEMATICS (MAT)	Analytical Ability & Logical Reasoning (*Opted from Subject Basket of Social Work)	SEC-2
15	ODIA (ODI)	Ganamdhyama 'O' Ganajogajoga	SEC-2
16	PHILOSOPHY (PHI)	---	SEC-2
17	POLITICAL SCIENCE (PSC)	Electoral Studies & Public Opinion Poll	SEC-2
18	PHYSICS (PHY)	Applied Optics and Photonics	SEC-2
19	PSYCHOLOGY (PSY)	Psychological First Aid	SEC-2
20	SANSKRIT (SAN)	---	SEC-2
21	SOCIOLOGY (SOC)	---	SEC-2
22	ZOOLOGY (ZOO)	Microbial Diagnosis in Health Clinics	SEC-2

ONLY ONE VAC-3 SUBJECT WILL BE OFFERED IN UG SEMESTER – V
(This subject is Compulsory for All Streams of UG Sem-V Students of Batch – 2024-25 only)

1	Artificial Intelligence (AI)	Computer Science	VAC-3