



MAA MANIKESHWARI UNIVERSITY
ମା ମାଣିକେଶ୍ଵରୀ ବିଶ୍ଵବିଦ୍ୟାଳୟ
माँ माणिकेश्वरी विश्वविद्यालय
(Erstwhile : Kalahandi University)
Manikya Vihar, Bhawanipatna, Kalahandi, Odisha

No. 3244 /MMU

Dt. 28.08.2026

OFFICE ORDER

The baskets of Minor, Multidisciplinary (MDC), Ability Enhancement (AEC), Skill Enhancement (SEC), and Value Added (VAC) Courses for the UG - I and II, UG - III and IV and UG - V and VI Semesters for the Academic Session 2026-27 are attached herewith for implementation for all Departments of MMU Campus and all affiliated colleges of Maa Manikeshwari University.

As per the OSHEC, Govt. of Odisha Letter No. 871 / OSHEC-ACAD-ACAD-002/2026; dtd. 20.08.2026 wherein cross-referred to Letter No. 47 / OSHEC-ACAD-ACAD-0047-2025; dtd. 13.01.2026; the Subject Artificial Intelligence (AI) shall be compulsory in UG Semester – II as Skill Enhancement Course (SEC-1). The AI planned to be implemented in Value Added Course (VAC) in Semester –V shall remain unchanged as nearly 2 month classes (i.e., 02.07.2026) have been undertaken.

Multi-Disciplinary Courses must be selected from the subjects offered by other Departments as per Letter No. 45139-HE-MC-MISC-0048-2025/HE; dtd. 19.08.2026, DHE, Govt. of Odisha.

All concerned Heads of Departments/Coordinators and Faculty Members are directed to ensure that the recommended courses and academic arrangements undertaken as per the approved baskets.

By Order of the Vice-Chancellor

28.08.26
Chairperson P.G. Council
Maa Manikeshwari University
Bhawanipatna
Maa Manikeshwari University
Bhawanipatna

Memo No. 3245 /MMU

Date: 28-08-2026

Copy to:

1. P.A. to Hon'ble Vice-Chancellor, for kind information.
2. Registrar/ Dy. Registrar/ CoE/ CoF for information.
3. All Affiliated College of M M University
4. All HoD/ Coordinator for information and necessary action.
5. Team MMU Whatsapp Group.
6. Office Copy.

28.08.26
Chairperson P.G. Council
Maa Manikeshwari University
Bhawanipatna
Maa Manikeshwari University
Bhawanipatna

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)	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	---	MDC-1.1	Hindi - Prayojanmulak (Offered by Dept. of Hindi)	AEC-1	Environmental Studies & Disaster Management offered by Botany & Zoology	VAC-1.1
		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	Biofertilizers & Pesticides	MDC-1.1	Hindi - Prayojanmulak (Offered by Dept. of Hindi)	AEC-1	Environmental Studies & Disaster Management	VAC-1.1
		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-1.1	Hindi - Prayojanmulak (Offered by Dept. of Hindi)	AEC-1	Environmental Studies & Disaster Management	VAC-1.1
		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)	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-1.1	Hindi - Prayojanmulak (Offered by Dept. of Hindi)	AEC-1	Environmental Studies & Disaster Management	VAC-1.1
		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-1.1	Hindi - Prayojanmulak (Offered by Dept. of Hindi)	AEC-1	Environmental Studies & Disaster Management	VAC-1.1
		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-1.1	Hindi - Prayojanmulak (Offered by Dept. of Hindi)	AEC-1	Environmental Studies & Disaster Management	VAC-1.1
		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)	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-1.1	Hindi - Prayojanmulak (Offered by Dept. of Hindi)	AEC-1	Environmental Studies & Disaster Management	VAC-1.1
		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-1.1	Hindi - Prayojanmulak (Offered by Dept. of Hindi)	AEC-1	Environmental Studies & Disaster Management	VAC-1.1
		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-1.1	Hindi - Prayojanmulak (Offered by Dept. of Hindi)	AEC-1	Environmental Studies & Disaster Management	VAC-1.1
		Human geography	Major (A)-2					Odia - Parisudha Bhasha 'O' Likhanadhara (Offered by Dept. of Odia)	AEC-1		

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HIN	ARTS	Hindi Sahitya Ka Itihas- I	Major (A)-1	Hindi Sahitya Ka Itihas- I	Minor (A)-1	Hindi Sahitya Aur Patrakarita	MDC-1.1	Hindi - Prayojanmulak (Offered by Dept. of Hindi)	AEC-1	Environmental Studies & Disaster Management	VAC-1.1
		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-1.1	Hindi - Prayojanmulak (Offered by Dept. of Hindi)	AEC-1	Environmental Studies & Disaster Management	VAC-1.1
		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	Food and Nutrition	Major (A)-1	Food and Nutrition	Minor (A)-1	Family Resource Management (Not for MMU in-campus students)	MDC-1.1	Hindi - Prayojanmulak (Offered by Dept. of Hindi)	AEC-1	Environmental Studies & Disaster Management	VAC-1.1
		Child Development	Major (A)-2					Odia - Parisudha Bhasha 'O' Likhanadhara (Offered by Dept. of Odia)	AEC-1		

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LSC	ARTS	Foundations of Library & Information Science	Major (A)-1	Provided Information and Communication	Minor (A)-1	Provided Library and Society	MDC-1.1	Hindi - Prayojanmulak (Offered by Dept. of Hindi)	AEC-1	Environmental Studies & Disaster Management	VAC-1.1
		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-1.1	Hindi - Prayojanmulak (Offered by Dept. of Hindi)	AEC-1	Environmental Studies & Disaster Management	VAC-1.1
		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-1.1	Hindi - Prayojanmulak (Offered by Dept. of Hindi)	AEC-1	Environmental Studies & Disaster Management	VAC-1.1
		Sahityara Swarupa	Major (A)-2					Odia - Parisudha Bhasha 'O' Likhanadhara (Offered by Dept. of Odia)	AEC-1		

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PHI	ARTS	Introduction to Philosophy	Major (A)-1	Introduction to Philosophy	Minor (A)-1	Philosophy of Bhagavad Gita	MDC-1.1	Hindi - Prayojanmulak (Offered by Dept. of Hindi)	AEC-1	Environmental Studies & Disaster Management	VAC-1.1
		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-1.1	Hindi - Prayojanmulak (Offered by Dept. of Hindi)	AEC-1	Environmental Studies & Disaster Management	VAC-1.1
		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-1.1	Hindi - Prayojanmulak (Offered by Dept. of Hindi)	AEC-1	Environmental Studies & Disaster Management	VAC-1.1
		Mechanics	Major (A)-2					Odia - Parisudha Bhasha 'O' Likhanadhara (Offered by Dept. of Odia)	AEC-1		

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PSY	ARTS	Introduction to Psychology	Major (A)-1	Introduction to Psychology	Minor (A)-1	Social Psychology	MDC-1.1	Hindi - Prayojanmulak (Offered by Dept. of Hindi)	AEC-1	Environmental Studies & Disaster Management	VAC-1.1
		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-1.1	Hindi - Prayojanmulak (Offered by Dept. of Hindi)	AEC-1	Environmental Studies & Disaster Management	VAC-1.1
		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-1.1	Hindi - Prayojanmulak (Offered by Dept. of Hindi)	AEC-1	Environmental Studies & Disaster Management	VAC-1.1
		Introduction to Sociology-II	Major (A)-2					Odia - Parisudha Bhasha 'O' Likhanadhara (Offered by Dept. of Odia)	AEC-1		

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ZOO	SCIENCE	Invertebrates (Protista to Echinodermata)	Major (A)-1	Invertebrates (Protista to Echinodermata)	Minor (A)-1	Vector Borne Disease & Epidemiology	MDC-1.1	Hindi - Prayojanmulak (Offered by Dept. of Hindi)	AEC-1	Environmental Studies & Disaster Management	VAC-1.1
		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)	Provided Information and Communication	Minor (A)-1
14	MATHEMATICS (MAT)	Introduction to Algebra & Number Theory	Minor (A)-1
15	ODIA (ODI)	Sahitya 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

(***NB: MDC-1.1 refers to 1st MDC paper offered and .1 refers to Ist Semester)

(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)

Sl. No.	DEPARTMENT	MDC SUBJECT TITLE	MDC PAPER
1	ANTHROPOLOGY (ANT)	---	MDC-1.1
2	BOTANY (BOT)	Biofertilizers & Pesticides	MDC-1.1
3	CHEMISTRY (CHE)	Biochemistry	MDC-1.1
4	COMPUTER SCIENCE (CSC)	Computer Fundamentals	MDC-1.1
5	COMMERCE (COM)	Economics	MDC-1.1
6	EDUCATION (EDU)	Human Rights Education	MDC-1.1
7	ENGLISH (ENG)	Writings for Mass Media	MDC-1.1
8	ECONOMICS (ECO)	Indian Economy and Society	MDC-1.1
9	GEOGRAPHY (GEO)	Demography	MDC-1.1
10	HINDI (HIN)	Hindi Sahitya Aur Patrakarita	MDC-1.1
11	HISTORY (HIS)	History of Science, Technology and Medicine in India	MDC-1.1
12	HOME SCIENCE (HSC)	Family Resource Management (Not for MMU in-campus students)	MDC-1.1
13	LIBRARY SCIENCE (LSC)	Provided Library and Society	MDC-1.1
14	MATHEMATICS (MAT)	Discrete Mathematics	MDC-1.1
15	ODIA (ODI)	Tulanamakta Sahitya	MDC-1.1
16	PHILOSOPHY (PHI)	Philosophy of Bhagavad Gita	MDC-1.1
17	POLITICAL SCIENCE (PSC)	Human Rights	MDC-1.1
18	PHYSICS (PHY)	Biophysics	MDC-1.1
19	PSYCHOLOGY (PSY)	Social Psychology	MDC-1.1
20	SANSKRIT (SAN)	Fundamentals of Sanskrit Grammar	MDC-1.1
21	SOCIOLOGY (SOC)	Population & Society	MDC-1.1
22	ZOOLOGY (ZOO)	Vector Borne Disease & Epidemiology	MDC-1.1

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**(***NB: VAC-1.1 refers to 1st MDC paper offered and .1 refers to Ist Semester)****(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-1.1
2	ZOOLOGY (ZOO)		
3	GEOGRAPHY (GEO)	Environmental Studies & Disaster Management (for Arts Stream in MMU)	VAC-1.1

2026-27 Arts (Humanities), Commerce & Science Sem II (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 Other Departments)	MDC PAPER	SEC (Student should select any one subject from their own dept. or other depts.)	SEC PAPER	AEC SUBJECT (Compulsory for All Students)	AEC PAPER
ANT	ARTS	Introduction to Socio-Cultural Anthropology	Major (A)-3	Introduction to Anthropology	Minor (B)-1	Anthropology in Practice	MDC-2.2	Artificial Intelligence	SEC-1.2	English	AEC-2
		Introduction to Archaeological Anthropology	Major (A)-4								
BOT	SCIENCE	Cell Biology	Major (A)-3	Microbiology & Phycology	Minor (B)-1	Herbarium Techniques	MDC-2.2	Artificial Intelligence	SEC-1.2	English	AEC-2
		Mycology & Phytopathology	Major (A)-4								
CHE	SCIENCE	States of Matter & Ionic Equilibrium	Major (A)-3	Atomic Structure, Periodicity of Elements & Chemical Bonding	Minor (B)-1	Environmental Chemistry	MDC-2.2	Artificial Intelligence	SEC-1.2	English	AEC-2
		Chemical Thermodynamics, Equilibrium & Colligative Property	Major (A)-4								
CSC	SCIENCE	Data Structure	Major (A)-3	Introduction to Computer Science & Python Programming	Minor (B)-1	Introduction to Web Technologies	MDC-2.2	Artificial Intelligence	SEC-1.2	English	AEC-2
		Database Management System	Major (A)-4								
COM	COMMERCE	Corporate Accounting and Reporting	Major (A)-3	Business Statistics and Data Interpretation	Minor (B)-1	Fundamentals of Entrepreneurship and E-Commerce	MDC-2.2	Artificial Intelligence	SEC-1.2	English	AEC-2
		Income Tax Law & Practice	Major (A)-4								

DEPT.	STREAM	MAJOR SUBJECT (Offered for Concerned Dept. Only)	MAJOR PAPER	MINOR SUBJECT (Offered for Other Department)	MINOR PAPER	MDC SUBJECT (Offered Other Departments)	MDC PAPER	SEC (Student should select any one subject from their own dept. or other depts.)	SEC PAPER	AEC SUBJECT (Compulsory for All Students)	AEC PAPER
EDU	ARTS	Sociology of Education	Major (A)-3	Philosophical Foundation of Education	Minor (B)-1	Educational Thinkers of Modern India	MDC-2.2	Artificial Intelligence	SEC-1.2	English	AEC-2
		Pedagogical perspective of Education	Major (A)-4								
ENG	ARTS	British Poetry and Drama	Major (A)-3	Introduction to Literary Studies	Minor (B)-1	Gender and Human Rights	MDC-2.2	Artificial Intelligence	SEC-1.2	English	AEC-2
		European Classical Literature	Major (A)-4								
ECO	ARTS	Basic Economics - II	Major (A)-3	Basic Economics - I	Minor (B)-1	---	MDC-2.2	Artificial Intelligence	SEC-1.2	English	AEC-2
		Indian Economy - II	Major (A)-4								
GEO	ARTS	Population Geography	Major (A)-3	Physical Geography	Minor (B)-1	Tribal Geography	MDC-2.2	Artificial Intelligence	SEC-1.2	English	AEC-2
		Cartography and Geo-Spatial Techniques	Major (A)-4								
HIN	ARTS	Krishnabhakti Evam Ritikalin Hindi Kabita	Major (A)-3	Hindi Sahitya Ka Itihas – I	Minor (B)-1	Bigyapan: Avadharana Aur Prayojanmulak Aayam	MDC-2.2	Artificial Intelligence	SEC-1.2	English	AEC-2
		Hindi Sahitya Ka Itihas – II	Major (A)-4								

DEPT.	STREAM	MAJOR SUBJECT (Offered for Concerned Dept. Only)	MAJOR PAPER	MINOR SUBJECT (Offered for Other Department)	MINOR PAPER	MDC SUBJECT (Offered Other Departments)	MDC PAPER	SEC (Student should select any one subject from their own dept. or other depts.)	SEC PAPER	AEC SUBJECT (Compulsory for All Students)	AEC PAPER
HIS	ARTS	History of India-II: From State formation to early medieval (c.600BCE-c.750CE)	Major (A)-3	History of India - I (From Prehistory to Vedic Age)	Minor (B)-1	History of Environment & Ecology in Modern India	MDC-2.2	Artificial Intelligence	SEC-1.2	English	AEC-2
		Social Formations and Cultural Patterns of the Medieval World	Major (A)-4								
HSC	ARTS	Family Resource Management	Major (A)-3	Food and Nutrition	Minor (B)-1	Child Development (Not for MMU in-campus students)	MDC-2.2	Artificial Intelligence	SEC-1.2	English	AEC-2
		Home Science Extension Education	Major (A)-4								
LSC	ARTS	Information Sources	Major (A)-3	Provided Information and Communication	Minor (B)-1	Provided Management of Libraries	MDC-2.2	Artificial Intelligence	SEC-1.2	English	AEC-2
		Information Services	Major (A)-4								
MAT	SCIENCE	Real Analysis – I	Major (A)-3	Introduction to Algebra & Number Theory	Minor (B)-1	Linear Programming Problem	MDC-2.2	Artificial Intelligence	SEC-1.2	English	AEC-2
		Algebra – I	Major (A)-4								

DEPT.	STREAM	MAJOR SUBJECT (Offered for Concerned Dept. Only)	MAJOR PAPER	MINOR SUBJECT (Offered for Other Department)	MINOR PAPER	MDC SUBJECT (Offered Other Departments)	MDC PAPER	SEC (Student should select any one subject from their own dept. or other depts.)	SEC PAPER	AEC SUBJECT (Compulsory for All Students)	AEC PAPER
ODI	ARTS	Prachina Odia Sahityara Itihas	Major (A)-3	Sahityara Swarupa	Minor (B)-1	Kala Bisaya 'O' Sahitya	MDC-2.2	Artificial Intelligence	SEC-1.2	English	AEC-2
		Madhyajugiya Odia Sahityara Itihas	Major (A)-4								
PHI	ARTS	Living Philosophy of Vedas and Upanishads	Major (A)-3	Introduction to Philosophy	Minor (B)-1	Critical Thinking & Applied Reasoning	MDC-2.2	Artificial Intelligence	SEC-1.2	English	AEC-2
		Introduction to Logic and Scientific Method	Major (A)-4								
PSC	ARTS	Introduction to the Political Theory	Major (A)-3	Introduction to the Constitution of India	Minor (B)-1	Gender and Politics	MDC-2.2	Artificial Intelligence	SEC-1.2	English	AEC-2
		Comparative Governments	Major (A)-4								
PHY	SCIENCE	Electricity and Magnetism	Major (A)-3	Mechanics	Minor (B)-1	Introduction to Spectroscopy	MDC-2.2	Artificial Intelligence	SEC-1.2	English	AEC-2
		Mathematical Physics-2	Major (A)-4								
PSY	ARTS	Process of Human Empowerment	Major (A)-3	Social Psychology	Minor (B)-1	Educational Psychology	MDC-2.2	Artificial Intelligence	SEC-1.2	English	AEC-2
		Basic Developmental Process	Major (A)-4								

DEPT.	STREAM	MAJOR SUBJECT (Offered for Concerned Dept. Only)	MAJOR PAPER	MINOR SUBJECT (Offered for Other Department)	MINOR PAPER	MDC SUBJECT (Offered Other Departments)	MDC PAPER	SEC (Student should select any one subject from their own dept. or other depts.)	SEC PAPER	AEC SUBJECT (Compulsory for All Students)	AEC PAPER
SAN	ARTS	Gadyakavyam Padyam ca (Prose and Poetry) – 1	Major (A)-3	Moral Teaching	Minor (B)-1	Sanskruta Sastra Parichayah	MDC- 2.2	Artificial Intelligence	SEC-1.2	English	AEC-2
		Drama and History of Sanskrit Literature - 2	Major (A)-4								
SOC	ARTS	Indian Society	Major (A)-3	Indian Society	Minor (B)-1	Science, Technology & Society	MDC- 2.2	Artificial Intelligence	SEC-1.2	English	AEC-2
		Classical Sociological Thinkers	Major (A)-4								
ZOO	SCIENCE	Microbiology	Major (A)-3	Invertebrates (Protista to Echinodermata)	Minor (B)-1	Vermitechnology	MDC- 2.2	Artificial Intelligence	SEC-1.2	English	AEC-2
		Cell Biology	Major (A)-4								

***NB: For **Exit** after Sem – II; Student has to pass Sem – I and Sem – II exams and undertake a Summer Vocational Course and Community Work of 4 credits for award of UG Certificate Course with total of 44+4 = 48 Credits.

LIST OF MINOR SUBJECTS OFFERED BY DIFFERENT DEPT. IN UG SEMESTER –II
(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 (B)-1
2	BOTANY (BOT)	Microbiology & Phycology	Minor (B)-1
3	CHEMISTRY (CHE)	Atomic Structure, Periodicity of Elements & Chemical Bonding	Minor (B)-1
4	COMPUTER SCIENCE (CSC)	Introduction to Computer Science & Python Programming	Minor (B)-1
5	COMMERCE (COM)	Business Statistics and Data Interpretation	Minor (B)-1
6	EDUCATION (EDU)	Philosophical Foundation of Education	Minor (B)-1
7	ENGLISH (ENG)	Introduction to Literary Studies	Minor (B)-1
8	ECONOMICS (ECO)	Basic Economics – I	Minor (B)-1
9	GEOGRAPHY (GEO)	Physical Geography	Minor (B)-1
10	HINDI (HIN)	Hindi Sahitya Ka Itihas- I	Minor (B)-1
11	HISTORY (HIS)	History of India - I (From Prehistory to Vedic Age)	Minor (B)-1
12	HOME SCIENCE (HSC)	Food and Nutrition	Minor (B)-1
13	LIBRARY SCIENCE (LSC)	Provided Information and Sources	Minor (B)-1
14	MATHEMATICS (MAT)	Introduction to Algebra & Number Theory	Minor (B)-1
15	ODIA (ODI)	Sahitya Swarupa	Minor (B)-1
16	PHILOSOPHY (PHI)	Introduction to Philosophy	Minor (B)-1
17	POLITICAL SCIENCE (PSC)	Introduction to the Constitution of India	Minor (B)-1
18	PHYSICS (PHY)	Mechanics	Minor (B)-1
19	PSYCHOLOGY (PSY)	Social Psychology	Minor (B)-1
20	SANSKRIT (SAN)	Moral Teaching	Minor (B)-1
21	SOCIOLOGY (SOC)	Indian Society	Minor (B)-1
22	ZOOLOGY (ZOO)	Invertebrates (Protista to Echinodermata)	Minor (B)-1

* In Minor (B)-1, 'B' refers to Even Semesters

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

(***NB: MDC-2.2 refers to 2nd MDC paper offered and .2 refers to IInd Semester)

(Students of other department shall opt only one MDC Subject offered by different departments. Students shouldn't opt MDC subjects offered by their own department)

Sl. No.	DEPARTMENT	MDC SUBJECT TITLE	MDC PAPER
1	ANTHROPOLOGY (ANT)	Anthropology in Practice	MDC-2.2
2	BOTANY (BOT)	Herbarium Techniques	MDC-2.2
3	CHEMISTRY (CHE)	Environmental Chemistry	MDC-2.2
4	COMPUTER SCIENCE (CSC)	Introduction to Web Technologies	MDC-2.2
5	COMMERCE (COM)	Fundamentals of Entrepreneurship and E-Commerce	MDC-2.2
6	EDUCATION (EDU)	Educational Thinkers of Modern India	MDC-2.2
7	ENGLISH (ENG)	Gender and Human Rights	MDC-2.2
8	ECONOMICS (ECO)	---	MDC-2.2
9	GEOGRAPHY (GEO)	Tribal Geography	MDC-2.2
10	HINDI (HIN)	Bigyapan: Avadharana Aur Prayojanmulak Aayam	MDC-2.2
11	HISTORY (HIS)	History of Environment & Ecology in Modern India	MDC-2.2
12	HOME SCIENCE (HSC)	Child Development	MDC-2.2
13	LIBRARY SCIENCE (LSC)	Provided Management of Libraries	MDC-2.2
14	MATHEMATICS (MAT)	Linear Programming Problem	MDC-2.2
15	ODIA (ODI)	Kala Bisaya 'O' Sahitya	MDC-2.2
16	PHILOSOPHY (PHI)	Critical Thinking & Applied Reasoning	MDC-2.2
17	POLITICAL SCIENCE (PSC)	Gender and Politics	MDC-2.2
18	PHYSICS (PHY)	Introduction to Spectroscopy	MDC-2.2
19	PSYCHOLOGY (PSY)	Educational Psychology	MDC-2.2
20	SANSKRIT (SAN)	Sanskruta Sastra Parichayah	MDC-2.2
21	SOCIOLOGY (SOC)	Science, Technology & Society	MDC-2.2
22	ZOOLOGY (ZOO)	Vermitechnology	MDC-2.2

ONLY ONE SEC-1.2 SUBJECT WILL BE OFFERED IN UG SEMESTER – II

(***NB: SEC-1.2 refers to 1st SEC paper offered and .2 refers to IInd Semester)

(Ref: OSHEC Letter No. 871/OSHEC-ACAD-ACAD-0021-2026; dt. 20.08.2026
& 47/OSHEC-ACAD-ACAD-0047-2025; dt. 13.01.2026)

(This subject is Compulsory for All Streams of UG Sem-I Students)

1	Artificial Intelligence	SEC-1.1
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LIST OF AEC-2 SUBJECT WILL BE OFFERED ONLY BY ENGLISH DEPT. IN UG SEMESTER –II

(This subject will be offered by English Departments for All Streams of UG Sem-II Students)

1	ENGLISH (ENG)	English	AEC-2
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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 for Other Departments)	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-3.3	---	VAC-2.3
		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-3.3	---	VAC-2.3
		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-3.3	---	VAC-2.3
		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-3.3	---	VAC-2.3
		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 for Other Departments)	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-3.3	Understanding India	VAC-2.3
		GST and other Indirect Taxes (Customs)	Major (A)-6						
		Management Accounting	Major (A)-7	Fundamentals of Investment and Planning	Minor (A)-2	Business Model Innovation	MDC-3.3		
EDU	ARTS	Assessment and Evaluation in Education	Major (A)-5	Psychological Foundation of Education	Minor (A)-2	Historical bases of Indian Education	MDC-3.3	Ethical Practices and Education	VAC-2.3
		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-3.3	Creative Writing	VAC-2.3
		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-3.3	---	VAC-2.3
		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-3.3	---	VAC-2.3
		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 for Other Departments)	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 Cinema Aur Uska Addhyan	MDC-3.3	---	VAC-2.3
		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-3.3	---	VAC-2.3
		Rise of the Modern West – I	Major (A)-6						
		History of India (c.1206 - 1526)	Major (A)-7						
HSC	ARTS	Introduction to Textiles	Major (A)-5	Child Development (Not for MMU in-campus students)t	Minor (A)-2	Food & Nutrition (Not for MMU in-campus students)	MDC-3.3	Food Processing & Preservation (Not for MMU in-campus students)	VAC-2.3
		Dynamics of Communication	Major (A)-6						
		Development in Late Childhood and Adolescence	Major (A)-7						
LSC	ARTS	Library Management – I	Major (A)-5	---	Minor (A)-2	---	MDC-3.3	---	VAC-2.3
		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-3.3	Operation Research	VAC-2.3
		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 for Other Departments)	MDC PAPER	VAC SUBJECT (Offered for Concern and Other Dept.)	VAC PAPER
ODI	ARTS	Adhunik Odia Sahitya Itihas: Nabajagarana Juga 'O' Satyabadi Dhara	Major (A)-5	Sahitya Addhyana	Minor (A)-3	Bigyana Bisaya 'O' Sahitya	MDC-3.3	Sri Jagannath Sanskruti	VAC-2.3
		Adhunik Odia Sahitya 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-3.3	Kautilya's Philosophy & Political Thought	VAC-2.3
		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-3.3	---	VAC-2.3
		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	Nanomaterials and Applications	MDC-3.3	---	VAC-2.3
		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-3.3	Organisational Behaviour	VAC-2.3
		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 for Other Departments)	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-3.3	---	VAC-2.3
		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	Science, Technology and Society	MDC-3.3	---	VAC-2.3
		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-3.3	---	VAC-2.3
		Physiology: Controlling & Coordinating System	Major (A)-6						
		Fundamentals of Biochemistry	Major (A)-7						

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	Minor (A)-2
		Fundamentals of Investment and Planning	
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)	---	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-3.3 SUBJECTS OFFERED BY DIFFERENT DEPT. IN UG SEMESTER – III

(***NB: MDC-3.3 refers to 3rd MDC paper offered and .3 refers to IIIrd Semester)

(Students of other department shall opt only one MDC Subject offered by different departments. Students shouldn't opt MDC subjects offered by their own department)

Sl. No.	DEPARTMENT	MDC SUBJECT TITLE	MDC PAPER
1	ANTHROPOLOGY (ANT)	---	MDC-3.3
2	BOTANY (BOT)	Tissue Culture of Plants	MDC-3.3
3	CHEMISTRY (CHE)	Bio-Physical Chemistry	MDC-3.3
4	COMPUTER SCIENCE (CSC)	Internet & Ethical Practices	MDC-3.3
5	COMMERCE (COM)	Entrepreneurship Development and Start-up	MDC-3.3
		Business Model Innovation	MDC-3.3
6	EDUCATION (EDU)	Historical bases of Indian Education	MDC-3.3
7	ENGLISH (ENG)	Professional Writing	MDC-3.3
8	ECONOMICS (ECO)	---	MDC-3.3
9	GEOGRAPHY (GEO)	Agricultural Geography	MDC-3.3
10	HINDI (HIN)	Hindi Cinema Aur Uska Addhyan	MDC-3.3
11	HISTORY (HIS)	History of Education in Modern India	MDC-3.3
12	HOME SCIENCE (HSC)	Food & Nutrition (Not for MMU in-campus students)	MDC-3.3
13	LIBRARY SCIENCE (LSC)	---	MDC-3.3
14	MATHEMATICS (MAT)	Numerical Method	MDC-3.3
15	ODIA (ODI)	Bigyana Bisaya 'O' Sahitya	MDC-3.3
16	PHILOSOPHY (PHI)	Peace and Conflict Studies	MDC-3.3
17	POLITICAL SCIENCE (PSC)	Understanding Gandhi and Ambedkar	MDC-3.3
18	PHYSICS (PHY)	Nanomaterials and Applications	MDC-3.3
19	PSYCHOLOGY (PSY)	Health Psychology	MDC-3.3
20	SANSKRIT (SAN)	---	MDC-3.3
21	SOCIOLOGY (SOC)	Science, Technology and Society	MDC-3.3
22	ZOOLOGY (ZOO)	Environmental Impact Assessment & Environmental Management Plan	MDC-3.3

LIST OF VAC-2.3 SUBJECTS OFFERED BY DIFFERENT DEPT. IN UG SEMESTER – III(**NB: VAC-2.3 refers to 2nd VAC paper offered and .3 refers to IIIrd Semester)**(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-2.3
2	BOTANY (BOT)	---	VAC-2.3
3	CHEMISTRY (CHE)	---	VAC-2.3
4	COMPUTER SCIENCE (CSC)	---	VAC-2.3
5	COMMERCE (COM)	Understanding India	VAC-2.3
6	EDUCATION (EDU)	Ethical Practices and Education	VAC-2.3
7	ENGLISH (ENG)	Creative Writing	VAC-2.3
8	ECONOMICS (ECO)	---	VAC-2.3
9	GEOGRAPHY (GEO)	---	VAC-2.3
10	HINDI (HIN)	---	VAC-2.3
11	HISTORY (HIS)	---	VAC-2.3
12	HOME SCIENCE (HSC)	Food Processing & Preservation (Not for MMU in-campus students)	VAC-2.3
13	LIBRARY SCIENCE (LSC)	---	VAC-2.3
14	MATHEMATICS (MAT)	Operation Research	VAC-2.3
15	ODIA (ODI)	Sri Jagannath Sanskruti	VAC-2.3
16	PHILOSOPHY (PHI)	Kautilya's Philosophy & Political Thought	VAC-2.3
17	POLITICAL SCIENCE (PSC)	---	VAC-2.3
18	PHYSICS (PHY)	---	VAC-2.3
19	PSYCHOLOGY (PSY)	Organisational Behaviour	VAC-2.3
20	SANSKRIT (SAN)	---	VAC-2.3
21	SOCIOLOGY (SOC)	---	VAC-2.3
22	ZOOLOGY (ZOO)	---	VAC-2.3

2026-27 Arts (Humanities), Commerce & Science Sem IV (Major/Core; Minor 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	Community Engagement & Services / Field Work / Internship (Compulsory for All 4th SEM Students)	Summer Vocational Course (Compulsory for Students planning Exit after 4 th Semester with Diploma)
ANT	ARTS	Ecological Anthropology	Major (A)-8	Application of Anthropology	Minor (B)-2	Compulsory	Optional
		Regional Prehistory	Major (A)-9				
		Research Methodology	Major (A)-10				
BOT	SCIENCE	Basic Molecular Biology	Major (A)-8	Archegoniate	Minor (B)-2	Compulsory	Optional
		Plant Ecology & Phytogeography	Major (A)-9				
		Plant Systematics	Major (A)-10				
CHE	SCIENCE	Coordination Chemistry, Chemistry of d- & f-block elements, Inorganic Reaction Mechanism & Electron transfer Reactions	Major (A)-8	Fundamental Organic Chemistry	Minor (B)-2	Compulsory	Optional
		Natural Products, Hetero-Cyclic Compounds, Nitrogen Containing Compounds & Polynuclear Hydrocarbons	Major (A)-9				
		Conductance, Electrochemistry, Electrical Properties of Atoms & Molecules	Major (A)-10				

DEPT.	STREAM	MAJOR SUBJECT (Offered for Concerned Dept. Only)	MAJOR PAPER	MINOR SUBJECT (Offered for Other Department)	MINOR PAPER	Community Engagement & Services / Field Work / Internship (Compulsory for All 4th SEM Students)	Summer Vocational Course (Compulsory for Students planning Exit after 4 th Semester with Diploma)
CSC	SCIENCE	Web Technologies	Major (A)-8	Computer Network	Minor (B)-2	Compulsory	Optional
		Object Oriented Programming using C ⁺⁺	Major (A)-9				
		Computer Network	Major (A)-10				
COM	COMMERCE	Financial Management & Risk Management	Major (A)-8	Business Regulatory Framework	Minor (B)-2	Compulsory	Optional
		Auditing and Corporate Governance	Major (A)-9				
		Corporate Legal Framework	Major (A)-10				
EDU	ARTS	Early Childhood Care & Education	Major (A)-8	Psychological Foundation of Education	Minor (B)-2	Compulsory	Optional
		Trends Policies & Practices in Education	Major (A)-9				
		ICT in Education	Major (A)-10				
ENG	ARTS	The Romantic Revival	Major (A)-8	India Classical Literature	Minor (B)-2	Compulsory	Optional
		The Victorian Era	Major (A)-9				
		The American Literary Renaissance	Major (A)-10				

DEPT.	STREAM	MAJOR SUBJECT (Offered for Concerned Dept. Only)	MAJOR PAPER	MINOR SUBJECT (Offered for Other Department)	MINOR PAPER	Community Engagement & Services / Field Work / Internship (Compulsory for All 4th SEM Students)	Summer Vocational Course (Compulsory for Students planning Exit after 4 th Semester with Diploma)
ECO	ARTS	Microeconomics – II	Major (A)-8	Indian Economy - I	Minor (B)-2	Compulsory	Optional
		Macroeconomics – II	Major (A)-9				
		Statistical Methods for Economics	Major (A)-10				
GEO	ARTS	Remote Sensing and GIS	Major (A)-8	Environmental Geography and Biogeography	Minor (B)-2	Compulsory	Optional
		Geomorphology	Major (A)-9				
		Evolution of Geographical Thought	Major (A)-10				
HIN	ARTS	Sahitya Aur Sndharv: Bibidhabad	Major (A)-8	Madhyakalin Hindi Kabita	Minor (B)-2	Compulsory	Optional
		Hindi Katha Sahitya (Upanyas)	Major (A)-9				
		Adhunik Hindi Kabita (1)	Major (A)-10				
HIS	ARTS	Rise of the Modern West – II	Major (A)-8	History of India (c.1206 - 1526)	Minor (B)-2	Compulsory	Optional
		History of India-Mughal India (c. 1526 - 1750)	Major (A)-9				
		Historical Theories & Methods	Major (A)-10				

DEPT.	STREAM	MAJOR SUBJECT (Offered for Concerned Dept. Only)	MAJOR PAPER	MINOR SUBJECT (Offered for Other Department)	MINOR PAPER	Community Engagement & Services / Field Work / Internship (Compulsory for All 4th SEM Students)	Summer Vocational Course (Compulsory for Students planning Exit after 4 th Semester with Diploma)
HSC	ARTS	Maternal and Child Nutrition	Major (A)-8	Child Development (Not for MMU in-campus students)	Minor (B)-2	Compulsory	Optional
		Human Physiology	Major (A)-9				
		Fundamentals of Clothing and Fashion Design	Major (A)-10				
LSC	ARTS	Electronic Information Resources	Major (A)-8	Provided Information Services	Minor (B)-2	Compulsory	Optional
		Knowledge Organization	Major (A)-9				
		Library Classification Practice	Major (A)-10				
MAT	SCIENCE / ARTS	Real Analysis – II	Major (A)-8	Real Analysis – I	Minor (B)-2	Compulsory	Optional
		Complex Analysis – I	Major (A)-9				
		Algebra – II	Major (A)-10				
ODI	ARTS	Adhunika Odia Kabita	Major (A)-8	Sahitya Addhyana	Minor (B)-2	Compulsory	Optional
		Odia Nataka 'O' Ekankika	Major (A)-9				
		Odia Katha Sahitya	Major (A)-10				

DEPT.	STREAM	MAJOR SUBJECT (Offered for Concerned Dept. Only)	MAJOR PAPER	MINOR SUBJECT (Offered for Other Department)	MINOR PAPER	Community Engagement & Services / Field Work / Internship (Compulsory for All 4th SEM Students)	Summer Vocational Course (Compulsory for Students planning Exit after 4 th Semester with Diploma)
PHI	ARTS	Ethical Theories	Major (A)-8	Systems of Indian Philosophy – I	Minor (B)-2	Compulsory	Optional
		Social and Political Philosophy	Major (A)-9				
		Systems of Indian Philosophy – II	Major (A)-10				
PSC	ARTS	Indian Politics	Major (A)-8	International Relations	Minor (B)-2	Compulsory	Optional
		Western Political Thought – II	Major (A)-9				
		Public Administration	Major (A)-10				
PHY	SCIENCE	Analog Systems	Major (A)-8	Thermal Physics	Minor (B)-2	Compulsory	Optional
		Basic Instrumentation	Major (A)-9				
		Nuclear and Particle Physics	Major (A)-10				
PSY	ARTS	Introduction to Educational Psychology	Major (A)-8	Basic Psychological Process	Minor (B)-2	Compulsory	Optional
		Applied Psychology – I	Major (A)-9				
		Psychological Assessment	Major (A)-10				

DEPT.	STREAM	MAJOR SUBJECT (Offered for Concerned Dept. Only)	MAJOR PAPER	MINOR SUBJECT (Offered for Other Department)	MINOR PAPER	Community Engagement & Services / Field Work / Internship (Compulsory for All 4th SEM Students)	Summer Vocational Course (Compulsory for Students planning Exit after 4 th Semester with Diploma)
SAN	ARTS	Grammar and Philosophy	Major (A)-8	Epics, Philosophy and History of Sanskrit Literature – 1	Minor (B)-2	Compulsory	Optional
		Grammar and Lexicon	Major (A)-9				
		Sri Jagannath in Skandapurana (Utkal Khanda)	Major (A)-10				
SOC	ARTS	Sociology of Environment	Major (A)-8	Sociology of Environment	Minor (B)-2	Compulsory	Optional
		Rural Sociology	Major (A)-9				
		Research Methodology-I	Major (A)-10				
ZOO	SCIENCE	Endocrinology & Reproductive Biology	Major (A)-8	Diversity of Chordates (Protochordates to Mammalia)	Minor (B)-2	Compulsory	Optional
		Comparative Anatomy of Vertebrates	Major (A)-9				
		Physiology: Life Sustaining Systems	Major (A)-10				

LIST OF MINOR SUBJECTS OFFERED BY DIFFERENT DEPT. IN UG SEMESTER – IV
(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 (B)-2
2	BOTANY (BOT)	Archegoniate	Minor (B)-2
3	CHEMISTRY (CHE)	Fundamental Organic Chemistry	Minor (B)-2
4	COMPUTER SCIENCE (CSC)	Computer Network	Minor (B)-2
5	COMMERCE (COM)	Business Regulatory Framework	Minor (B)-2
6	EDUCATION (EDU)	Psychological Foundation of Education	Minor (B)-2
7	ENGLISH (ENG)	Indian Classical Literature	Minor (B)-2
8	ECONOMICS (ECO)	Indian Economy – I	Minor (B)-2
9	GEOGRAPHY (GEO)	Environmental Geography and Biogeography	Minor (B)-2
10	HINDI (HIN)	Madhyakalin Hindi Kabita	Minor (B)-2
11	HISTORY (HIS)	History of India (c.1206 - 1526)	Minor (B)-2
12	HOME SCIENCE (HSC)	Child Development (Not for MMU in-campus students)	Minor (B)-2
13	LIBRARY SCIENCE (LSC)	Provided Information Services	Minor (B)-3
14	MATHEMATICS (MAT)	Real Analysis – I	Minor (B)-2
15	ODIA (ODI)	Sahitya Addhyana	Minor (B)-2
16	PHILOSOPHY (PHI)	Systems of Indian Philosophy – I	Minor (B)-2
17	POLITICAL SCIENCE (PSC)	International Relations	Minor (B)-2
18	PHYSICS (PHY)	Thermal Physics	Minor (B)-2
19	PSYCHOLOGY (PSY)	Basic Psychological Process	Minor (B)-2
20	SANSKRIT (SAN)	Epics, Philosophy and History of Sanskrit Literature – 1	Minor (B)-2
21	SOCIOLOGY (SOC)	Sociology of Environment	Minor (B)-2
22	ZOOLOGY (ZOO)	Diversity of Chordates (Protochordates to Mammalia)	Minor (B)-2

1) Either Community Engagement & Services or Field Work or Internship (i.e., any one program) is Compulsory for All 4th SEM Students for award of 4 Credits.

2) For Exit after Sem – IV; Student has to pass Sem – I, Sem – II, Sem – III and Sem - IV exams and undertake a Summer Vocational Course and Community Work of 4 credits for award of UG Diploma Course with total of 86+4 = 90 Credits.

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	---	SEC-2.5	AI	VAC-3.5
		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-2.5	AI	VAC-3.5
		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-2.5	AI	VAC-3.5
		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-2.5	AI	VAC-3.5
		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-2.5	AI	VAC-3.5
		Business Data Analytics	Major (A)-12	Insurance Theory and Practices	Minor (A)-3				
		Fundamentals of IND-AS & IFRS	Major (A)-13						
EDU	ARTS	Pedagogy of Odia / Pedagogy of English	Major (A)-11	Sociology of Education	Minor (A)-3	Peace Education	SEC-2.5	AI	VAC-3.5
		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	SEC-2.5	AI	VAC-3.5
		Literature Criticism from Plato 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-2.5	AI	VAC-3.5
		Mathematical Methods for Economics II	Major (A)-12						
		Money and Banking	Major (A)-13						
GEO	ARTS	Regional Planning and Development	Major (A)-11	Geography of Odisha	Minor (A)-3	---	SEC-2.5	AI	VAC-3.5
		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	---	Minor (A)-3	---	SEC-2.5	AI	VAC-3.5
		Bharitya Kabya Sashttra	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	SEC-2.5	AI	VAC-3.5
		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	Introduction to Statistics & Data Analysis (Not for MMU in-campus students)	SEC-2.5	AI	VAC-3.5
		Family Finance and Consumer Studies	Major (A)-12						
		Community Health and Nutrition	Major (A)-13						
LSC	ARTS	Web based Information Services	Major (A)-11	---	Minor (A)-3	---	SEC-2.5	AI	VAC-3.5
		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	SEC-2.5	AI	VAC-3.5
		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-2.5	AI	VAC-3.5
		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-2.5	AI	VAC-3.5
		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-2.5	AI	VAC-3.5
		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-2.5	AI	VAC-3.5
		Quantum Mechanics and Application	Major (A)-12						
		Solid State Physics	Major (A)-13						
PSY	ARTS	Organisational Behaviour	Major (A)-11	Process of Human Empoerment	Minor (A)-3	Psychological First Aid	SEC-2.5	AI	VAC-3.5
		Psychology for Health Living	Major (A)-12						
		Fundamentalas 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-2.5	AI	VAC-3.5
		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-2.5	AI	VAC-3.5
		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 & Health	SEC-2.5	AI	VAC-3.5
		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	Minor (A)-3
		Insurance Theory and Practices	
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)	---	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)	---	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 Empoerment	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-2.5 SUBJECTS OFFERED BY DIFFERENT DEPT. IN UG SEMESTER – V(**NB: SEC-2.5 refers to 2nd SEC paper offered and .5 refers to Vth Semester)**(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)	---	SEC-2.5
2	BOTANY (BOT)	Organic Farming	SEC-2.5
3	CHEMISTRY (CHE)	Computational Chemistry & Molecular Modelling	SEC-2.5
4	COMPUTER SCIENCE (CSC)	Principle of Management	SEC-2.5
5	COMMERCE (COM)	Fundamentals of Data Science and Data Management	SEC-2.5
6	EDUCATION (EDU)	Peace Education	SEC-2.5
7	ENGLISH (ENG)	Personality Development	SEC-2.5
8	ECONOMICS (ECO)	Data Analytics – I	SEC-2.5
9	GEOGRAPHY (GEO)	---	SEC-2.5
10	HINDI (HIN)	---	SEC-2.5
11	HISTORY (HIS)	Historian Craft	SEC-2.5
12	HOME SCIENCE (HSC)	Introduction to Statistics & Data Analysis (Not for MMU in-campus students)	SEC-2.5
13	LIBRARY SCIENCE (LSC)	---	SEC-2.5
14	MATHEMATICS (MAT)	Analytical Ability & Logical Reasoning	SEC-2.5
15	ODIA (ODI)	Ganamdhya 'O' Ganajogajoga	SEC-2.5
16	PHILOSOPHY (PHI)	---	SEC-2.5
17	POLITICAL SCIENCE (PSC)	---	SEC-2.5
18	PHYSICS (PHY)	Applied Optics and Photonics	SEC-2.5
19	PSYCHOLOGY (PSY)	Psychological First Aid	SEC-2.5
20	SANSKRIT (SAN)	---	SEC-2.5
21	SOCIOLOGY (SOC)	---	SEC-2.5
22	ZOOLOGY (ZOO)	Microbial Diagnosis & Health	SEC-2.5

ONLY ONE VAC-3.5 SUBJECT WILL BE OFFERED IN UG SEMESTER – V(**NB: VAC-3.5 refers to 3rd VAC paper offered and .5 refers to Vth Semester)**(This subject is Compulsory for All Streams of UG Sem-V Students)**

1	AI	Computer Science	VAC-3.5
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2026-27 Arts (Humanities), Commerce & Science Sem VI (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	Human Genetics	Major (A)-14	Introduction to Socio-Cultural Anthropology	Minor (B)-3	---	SEC-3.6	---	VAC-4.6
		Field Work Based Dissertation	Major (A)-15						
BOT	SCIENCE	Basic Plant Metabolism	Major (A)-14	Basic Plant Physiology	Minor (B)-3	Ethnobotany	SEC-3.6	---	VAC-4.6
		Natural Resource Management	Major (A)-15						
CHE	SCIENCE	Analytical Methods of Chemistry	Major (A)-14	States of Matter & Ionic Equilibrium	Minor (B)-3	Corrosion & Prevention	SEC-3.6	Nano-Science & Nano-Technology	VAC-4.6
		Solid and Porous Materials and Magnetochemistry and Power Cells	Major (A)-15						
CSC	SCIENCE	Algorithm Design Techniques	Major (A)-14	Introduction to AI	Minor (B)-3	---	SEC-3.6	---	VAC-4.6
		Project Work – I	Major (A)-15						
COM	COMMERCE	Fundamentals of Financial Modelling	Major (A)-14	Human Resource Management	Minor (B)-3	Income Tax e-Return Filing	SEC-3.6	Business Ethics and Values	VAC-4.6
		Business Application Software	Major (A)-15	Mathematics	Minor (B)-3	Introduction to Financial Technology (Fin-Tech)	SEC-3.6		
EDU	ARTS	Knowledge and Curriculum	Major (A)-14	Sociology of Education	Minor (B)-3	Computer Application in Teaching Learning	SEC-3.6	Economics of Education	VAC-4.6
		Community Engagement and Services	Major (A)-15						

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
ENG	ARTS	Literature from the World – I	Major (A)-14	Introduction to Indian Writing in English	Minor (B)-3	---	SEC-3.6	---	VAC-4.6
		Indian Myths and Epics: New Perspectives	Major (A)-15						
ECO	ARTS	Introductory Econometrics	Major (A)-14	Development Economics – I	Minor (B)-3	Data Analytics – II	SEC-3.6	---	VAC-4.6
		International Economics	Major (A)-15						
GEO	ARTS	Geography of India	Major (A)-14	Geography of Odisha	Minor (B)-3	---	SEC-3.6	---	VAC-4.6
		Urban Geography	Major (A)-15						
HIN	ARTS	Paschatya Kabya Sashttra	Major (A)-14	---	Minor (B)-3	---	SEC-3.6	---	VAC-4.6
		Tulsidas: Sahitya Aur Darshan	Major (A)-15						
HIS	ARTS	History and Culture of Odisha - I (The Making of a Region from Early Times to 1568)	Major (A)-14	History of India (1857-1950)	Minor (B)-3	---	SEC-3.6	---	VAC-4.6
		History of Orissa - I: The Making of a Region (Afghan Rule to Post Independence)	Major (A)-15						
HSC	ARTS	Research Methodology	Major (A)-14	Family Resource Management (Not for MMU in-campus students)	Minor (B)-3	Computer Application in Teaching Learning (Not for MMU in-campus students)	SEC-3.6	Pre-School & Creech Management (Not for MMU in-campus students)	VAC-4.6
		Housing and Interior Design	Major (A)-15						

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
LSC	ARTS	Library Cataloguing Practice	Major (A)-14	---	Minor (B)-3	---	SEC-3.6	---	VAC-4.6
		Library Management – II	Major (A)-15						
MAT	SCIENCE / ARTS	Multivariable Calculus	Major (A)-14	Linear Algebra	Minor (B)-3	Quantative & Logical Thinking	SEC-3.6	---	VAC-4.6
		Differential Geometry	Major (A)-15						
ODI	ARTS	Odia Bhasha: Dhvani Tattwa, Sabda Sambhara, Anya Bhashara Prabhaba 'O' Sastriyata	Major (A)-14	Prachina, Madhyajuga 'O' Adhunika Odia Sahitya	Minor (B)-3	---	SEC-3.6	Odishara Sanskrutika Itihas	VAC-4.6
		Odia Byabaharika Byakarana	Major (A)-15						
PHI	ARTS	Philosophy of Religion	Major (A)-14	Symbolic Logic	Minor (B)-3	Philosophical Counselling	SEC-3.6	Gandhian Applied Philosophy	VAC-4.6
		Symbolic Logic	Major (A)-15						
PSC	ARTS	India's Foreign Policy	Major (A)-14	Government and Politics in Odisha	Minor (B)-3	Poltical Journalism	SEC-3.6	Understanding Constitution of India	VAC-4.6
		Government & Politics in Odisha	Major (A)-15						
PHY	SCIENCE	Electromagnetic Theory	Major (A)-14	Digital System	Minor (B)-3	---	SEC-3.6	---	VAC-4.6
		Statistical Mechanics	Major (A)-15						

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
PSY	ARTS	Introduction to Positive Psychology	Major (A)-14	Process of Human Empowerment	Minor (B)-3	Personality Development	SEC-3.6	Education in Earlier Childhood	VAC-4.6
		Psychological Research and Management – I	Major (A)-15						
SAN	ARTS	Likhana-Kala (Writing Skill)	Major (A)-14	Prose and Poetry – I	Minor (B)-3	---	SEC-3.6	Human Health and Yogic Science	VAC-4.6
		Jyotisa Sastra and Vastu Sastra	Major (A)-15						
SOC	ARTS	Urban Sociology	Major (A)-14	Sociology of Health	Minor (B)-3	Working with Communities (Not for MMU in-campus students)	SEC-3.6	Indian Constitution (Not for MMU in-campus students)	VAC-4.6
		Sociology of Health	Major (A)-15						
ZOO	SCIENCE	Developmental Biology	Major (A)-14	Microbiology	Minor (B)-3	Fermentation Technology & Industrial Enzymes	SEC-3.6	---	VAC-4.6
		Taxonomy & Evolutionary Biology	Major (A)-15						

LIST OF MINOR SUBJECTS OFFERED BY DIFFERENT DEPT. IN UG SEMESTER – VI
(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 (B)-3
2	BOTANY (BOT)	Basic Plant Physiology	Minor (B)-3
3	CHEMISTRY (CHE)	States of Matter & Ionic Equilibrium	Minor (B)-3
4	COMPUTER SCIENCE (CSC)	Introduction to AI	Minor (B)-3
5	COMMERCE (COM)	Human Resource Management	Minor (B)-3
		Mathematics	
6	EDUCATION (EDU)	Sociology of Education	Minor (B)-3
7	ENGLISH (ENG)	Introduction to Indian Writing in English	Minor (B)-3
8	ECONOMICS (ECO)	Development Economics – I	Minor (B)-3
9	GEOGRAPHY (GEO)	Geography of Odisha	Minor (B)-3
10	HINDI (HIN)	---	Minor (B)-3
11	HISTORY (HIS)	History of India (1857-1950)	Minor (B)-3
12	HOME SCIENCE (HSC)	Family Resource Management (Not for MMU in-campus students)	Minor (B)-3
13	LIBRARY SCIENCE (LSC)	---	Minor (B)-3
14	MATHEMATICS (MAT)	Linear Algebra	Minor (B)-3
15	ODIA (ODI)	Prachina, Madhyajuga 'O' Adhunik Odia Sahitya	Minor (B)-3
16	PHILOSOPHY (PHI)	Symbolic Logic	Minor (B)-3
17	POLITICAL SCIENCE (PSC)	Government and Politics in Odisha	Minor (B)-3
18	PHYSICS (PHY)	Digital System	Minor (B)-3
19	PSYCHOLOGY (PSY)	Process of Human Empowerment	Minor (B)-3
20	SANSKRIT (SAN)	Prose and Poetry – I	Minor (B)-3
21	SOCIOLOGY (SOC)	Sociology of Health	Minor (B)-3
22	ZOOLOGY (ZOO)	Microbiology	Minor (B)-3

LIST OF SEC-3.6 SUBJECTS OFFERED BY DIFFERENT DEPT. IN UG SEMESTER – VI(**NB: SEC-3.6 refers to 3rd SEC paper offered and .6 refers to VIth Semester)**(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)	---	SEC-3.6
2	BOTANY (BOT)	Ethnobotany	SEC-3.6
3	CHEMISTRY (CHE)	Corrosion & Prevention	SEC-3.6
4	COMPUTER SCIENCE (CSC)	---	SEC-3.6
5	COMMERCE (COM)	Income Tax e-Return Filing	SEC-3.6
		Introduction to Financial Technology (Fin-Tech)	SEC-3.6
6	EDUCATION (EDU)	Computer Application in Teaching Learning	SEC-3.6
7	ENGLISH (ENG)	---	SEC-3.6
8	ECONOMICS (ECO)	Data Analytics – II	SEC-3.6
9	GEOGRAPHY (GEO)	---	SEC-3.6
10	HINDI (HIN)	---	SEC-3.6
11	HISTORY (HIS)	---	SEC-3.6
12	HOME SCIENCE (HSC)	Computer Application in Teaching Learning (Not for MMU in-campus students)	SEC-3.6
13	LIBRARY SCIENCE (LSC)	---	SEC-3.6
14	MATHEMATICS (MAT)	Quantitative & Logical Thinking	SEC-3.6
15	ODIA (ODI)	---	SEC-3.6
16	PHILOSOPHY (PHI)	Philosophical Counseling	SEC-3.6
17	POLITICAL SCIENCE (PSC)	Political Journalism	SEC-3.6
18	PHYSICS (PHY)	---	SEC-3.6
19	PSYCHOLOGY (PSY)	Personality Development	SEC-3.6
20	SANSKRIT (SAN)	---	SEC-3.6
21	SOCIOLOGY (SOC)	Working with Communities (Not for MMU in-campus students)	SEC-3.6
22	ZOOLOGY (ZOO)	Fermentation Technology & Industrial Enzymes	SEC-3.6

LIST OF VAC-4.6 SUBJECTS OFFERED BY DIFFERENT DEPT. IN UG SEMESTER – VI(**NB: VAC-4.6 refers to 4th VAC paper offered and .6 refers to VIth Semester)**(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-4.6
2	BOTANY (BOT)	---	VAC-4.6
3	CHEMISTRY (CHE)	Nano-Science & Nano-Technology	VAC-4.6
4	COMPUTER SCIENCE (CSC)	---	VAC-4.6
5	COMMERCE (COM)	Business Ethics and Values	VAC-4.6
6	EDUCATION (EDU)	Economics of Education	VAC-4.6
7	ENGLISH (ENG)	---	VAC-4.6
8	ECONOMICS (ECO)	---	VAC-4.6
9	GEOGRAPHY (GEO)	---	VAC-4.6
10	HINDI (HIN)	---	VAC-4.6
11	HISTORY (HIS)	---	VAC-4.6
12	HOME SCIENCE (HSC)	Pre-School & Creech Management (Not for MMU in-campus students)	VAC-4.6
13	LIBRARY SCIENCE (LSC)	---	VAC-4.6
14	MATHEMATICS (MAT)	---	VAC-4.6
15	ODIA (ODI)	Odishara Sanskrutika Itihas	VAC-4.6
16	PHILOSOPHY (PHI)	Gandhian Applied Philosophy	VAC-4.6
17	POLITICAL SCIENCE (PSC)	Understanding Constitution of India	VAC-4.6
18	PHYSICS (PHY)	---	VAC-4.6
19	PSYCHOLOGY (PSY)	Education in Earlier Childhood	VAC-4.6
20	SANSKRIT (SAN)	Human Health and Yogic Science	VAC-4.6
21	SOCIOLOGY (SOC)	Indian Constitution (Not for MMU in-campus students)	VAC-4.6
22	ZOOLOGY (ZOO)	---	VAC-4.6