

## COURSE AT A GLANCE (NEP-UG)

**SUBJECT: ECONOMICS**

**ACADEMIC SESSION: 2025-28**

### **CORE-I COURSE**

Course Number	Semester	Course Title	Type of Paper P-Practical NP-Non-practical	Credit Hour	Maximum Weightage of Marks
Paper-I	I	Basic Economy I	NP	4	100
Paper-II		Indian Economy I	NP	4	100
Paper-III	II	Basic Economics II	NP	4	100
Paper-IV		Indian Economy II	NP	4	100
Paper-V	III	Microeconomics I	NP	4	100
Paper-VI		Macroeconomics I	NP	4	100
Paper-VII		Mathematical Methods for Economics I	NP	4	100
Paper-VIII	IV	Microeconomics II	NP	4	100
Paper-IX		Macroeconomics II	NP	4	100
Paper-X		Statistical Methods for Economics	NP	4	100
Paper-XI	V	Development Economics I	NP	4	100
Paper-XII		Mathematical Methods of Economics II	NP	4	100
Paper-XIII		History of Economics Thought/ Money and Banking/ Economy of Odisha	NP	4	100
Paper-XIV	VI	Introductory Econometrics/ Public Economics I/Development Economics II	NP	4	100
Paper-XV		Computational Methods in Economics /Environmental Economics	NP	4	100
Paper-XVI	VII	Quantitative Methods	NP	4	100
Paper-XVII		Research Methodology	NP	4	100
Paper-XVIII		BASIC ECONOMRTRICS	NP	4	100
Paper-XIX		Economics of Growth and Development	NP	4	100
Paper-XX	VIII	Microeconomics iii	NP	4	100
Paper-XXI		Macroeconomics III	NP	4	100
Paper-XXII		Public economics II	NP	4	100
Paper-XXIII		Economics of Social Factor	NP	4	100

### **CORE-II/CORE-III COURSE**

Course Number	Semester Core-II/ Core-III	Course Title	Type of Paper P-Practical NP-Non-practical	Credit Hour	Maximum Weightage of Marks
Paper-I	I/II	Basic Economics I	NP	4	100
Paper-II	III/IV	Indian Economy I	NP	4	100
Paper-III	V/VI	Basic Economics II	NP	4	100
Paper-IV	VII	Indian Economy II	NP	4	100
Paper-V	VIII	Money and Banking	NP	4	100

(Vice-chancellor)

## **OTHER COURSES**

### **MULTIDISCIPLINARY COURSES (MDC)UNDER NEP-2020**

Three courses to be chosen from **baskets of Multidisciplinary courses** for Semester-I/II/III with 3 credits each. Students are advised to choose one course/ Semester from the basket provided. Students are advised to opt for courses outside their discipline. No repetition of courses allowed.

(Ref: University Letter No-3177/Acd. – I, Dated: 15. 07. 2025 Letter No. 3993/Acd-I Dt: 02.09.2025)

### **SEMESTER: I**

<b>Course No.</b>	<b>Semester</b>	<b>Dept. to Teach</b>	<b>Course Title</b>	<b>Type of Paper</b> <b>P-Practical</b> <b>NP-Non-practical</b>	<b>Credit Hour</b>	<b>Maximum Weightage of Marks</b>
Paper-I	Semester-I	Chemistry	Environmental Chemistry	NP	3	100
		Botany	Gardening and Vermicomposting	NP	3	100
		Economics	Economics in Everyday Life	NP	3	100
		History	History of Education in Modern India	NP	3	100
		Odia	Tulanatmak Sahitya	NP	3	100
		Pol. Sc.	Political Process in India	NP	3	100
		English	Ethical Literature	NP	3	100
		Commerce	Financial Literacy	NP	3	100
		Education	Educational Psychology	NP	3	100

### **SEMESTER: II**

<b>Course No.</b>	<b>Semester</b>	<b>Dept. to Teach</b>	<b>Course Title</b>	<b>Type of Paper</b> <b>P-Practical</b> <b>NP-Non-practical</b>	<b>Credit Hour</b>	<b>Maximum Weightage of Marks</b>
Paper-II	Semester-II	Statistics	Survival Analysis and Biostatistics	NP	3	100
		Zoology	Apiculture	NP	3	100
		Education	Gender and Education	NP	3	100
		Geography/Geology	Climatology	NP	3	100
		Philosophy	Vedic Culture	NP	3	100
		Hindi	Vigyapan Avadharana Aur Prayojanmulak Aayam	NP	3	100
		Home Science	Food Science and Processing	NP	3	100
		Commerce	Fundamentals of Entrepreneurship and E- Commerce	NP	3	100
		Economics	Demography	NP	3	100

**SEMESTER: III**

Course No.	Semester	Dept. to Teach	Course Title	Type of Paper P- Practical NP-Non-practical	Credit Hour	Maximum Weightage of Marks
Paper-III	Semester-III	Mathematics/Computer Science	Programming in C++	NP	3	100
		Physics	Introduction to Spectroscopy	NP	3	100
		History	Indian Knowledge System	NP	3	100
		Pol. Sc.	Human Rights	NP	3	100
		Sociology	Environmental Issues and Challenges	NP	3	100
		Commerce	Entrepreneurship Development and Start-up	NP	3	100
		Psychology	Health psychology	NP	3	100
		Sanskrit	Philosophy of Bhagavad Gita	NP	3	100
		Botany	Herbarium Preparation	NP	3	100

**ABILITY ENHANCEMENT COURSE(AEC) UNDER NEP-2020**

Sl. No.	Semester	Course	Credit hour (CH)	Full Mark
Paper-I	I	Odia/Hindi/Sanskrit/Urdu	4	100
Paper-II	II	English	4	100

**SKILL ENHANCEMENT COURSES (SEC) UNDER NEP-2020**

Three courses to be chosen from the **baskets of SEC** for Semester-II/V/VI respectively with 3 credits each. Student can opt any one of SEC courses in a particular semester from the basket without repetition.

(Ref: University Letter No-3177/Acd. - I, Dated: 15. 07. 2025) **NB: All courses are non-practical (NP) papers.**

Sl. No.	Semester	Course title	Credit hour (CH)	Marks

Paper-I	II	Personality Development Or Election studies and public opinion Or Quantitative and Logical Thinking Or Analytical Thinking and Logical Reasoning Or Renewable Energy & Energy Harvesting Or Vermicomposting	3	100
Paper-II	V	Yoga in Everyday Life Or Basics of Museum and Achieves Or Working with Communities Or Fundamentals of data science and data management Or Quantitative and Logical Thinking Or Programming With Mathematica	3	100
Paper-III	VI	Life Skill Education Or Quantitative and Logical Thinking Or Income Tax E-return Filing Or Organic Farming Or Biofertilizer Or Type Setting in Latex	3	100

### VALUE AIDED COURSES (VAC) UNDER NEP – 2020

(Ref: University Letter No-3177/Acd. – I, Dated: 15. 07. 2025)

Sl No	Semester	Paper	Course title	Credit	Marks
Paper-I	I	PAPER I	Environmental Studies and Disaster Management	3	100
Paper-I	III	PAPER II	Ethics & Values	3	100
Paper-I	V	PAPER III	Understanding Odisha	3	100
Paper-I	VI	PAPER IV	Creative Writing	3	100

## COURSE AT A GLANCE (NEP-UG)

**SUBJECT: POLITICAL SCIENCE**

**ACADEMIC SESSION: 2025-28**

### **CORE-I COURSE**

Course Number	Semester	Course Title	Type of Paper P-Practical NP-Non-practical	Credit Hour	Maximum Weightage of Marks
Paper-I	I	FUNDAMENTAL OF POLITICAL SCIENCE		4	100
Paper-II		INTRODUCTION TO CONSTITUTION OF INDIA		4	100
Paper-III	II	INTRODUCTION TO POLITICAL THEORY		4	100
Paper-IV		COMPARATIVE GOVERMENTS		4	100
Paper-V	III	COLONIALISM AND NATIONALSIM		4	100
Paper-VI		INTERNATIONAL RELATIONS		4	100
Paper-VII		WESTERN POLITICAL THOUGHTS-I		4	100
Paper-VIII	IV	INDIAN POLITICS		4	100
Paper-IX		WESTERN POLITICAL THOUGHTS-II		4	100
Paper-X		PUBLIC ADMINISTRATION		4	100
Paper-XI	V	GLOBAL POLITICS		4	100
Paper-XII		COMPARATIVE POLITICS		4	100
Paper-XIII		INDIAN POLITICAL IDEAS -I		4	100
Paper-XIV	VI	INDIAN'S FOREIGN POLICY		4	100
Paper-XV		GOVERNMENT AND POLIYICS IN ODISHA		4	100
Paper-XVI	VII			4	100
Paper-XVII				4	100
Paper-XVIII				4	100
Paper-XIX				4	100
Paper-XX	VIII			4	100
Paper-XXI				4	100
Paper-XXII				4	100
Paper-XXIII				4	100

### **CORE-II/CORE-III COURSE**

Course Number	Semester Core-II/ Core-III	Course Title	Type of Paper P-Practical NP-Non-practical	Credit Hour	Maximum Weightage of Marks
Paper-I	I/II	FUNDAMENTAL OF POLITICAL SCIENCE	NP	4	100
Paper-II	III/IV	INTRODUCTION TO CONSTITUTION OF INDIA	NP	4	100
Paper-III	V/VI	INTRODUCTION TO POLITICAL THEORY	NP	4	100
Paper-IV	VII			4	100
Paper-V	VIII			4	100

## **OTHER COURSES**

### **MULTIDISCIPLINARY COURSES (MDC)UNDER NEP-2020**

Three courses to be chosen from **baskets of Multidisciplinary courses** for Semester-I/II/III with 3 credits each. Students are advised to choose one course/ Semester from the basket provided. Students are advised to opt for courses outside their discipline. No repetition of courses allowed.

(Ref: University Letter No-3177/Acd. – I, Dated: 15. 07. 2025 Letter No. 3993/Acd-I Dt: 02.09.2025)

**SEMESTER: I**

Course No.	Semester	Dept. to Teach	Course Title	Type of Paper <b>P-Practical</b> <b>NP-Non-practical</b>	Credit Hour	Maximum Weightage of Marks
Paper-I	Semester-I	Chemistry	Environmental Chemistry	NP	3	100
		Botany	Gardening and Vermicomposting	NP	3	100
		Economics	Economics in Everyday Life	NP	3	100
		History	History of Education in Modern India	NP	3	100
		Odia	Tulanatmak Sahitya	NP	3	100
		Pol. Sc.	Political Process in India	NP	3	100
		English	Ethical Literature	NP	3	100
		Commerce	Financial Literacy	NP	3	100
		Education	Educational Psychology	NP	3	100

**SEMESTER: II**

Course No.	Semester	Dept. to Teach	Course Title	Type of Paper <b>P-Practical</b> <b>NP-Non-practical</b>	Credit Hour	Maximum Weightage of Marks
Paper-II	Semester-II	Statistics	Survival Analysis and Biostatistics	NP	3	100
		Zoology	Apiculture	NP	3	100
		Education	Gender and Education	NP	3	100
		Geography/Geology	Climatology	NP	3	100
		Philosophy	Vedic Culture	NP	3	100
		Hindi	Vigyapan Avadharana Aur Prayojanmulak Aayam	NP	3	100
		Home Science	Food Science and Processing	NP	3	100
		Commerce	Fundamentals of Entrepreneurship and E- Commerce	NP	3	100
		Economics	Demography	NP	3	100

**SEMESTER: III**

Course No.	Semester	Dept. to Teach	Course Title	Type of Paper <b>P- Practical NP-Non-practical</b>	Credit Hour	Maximum Weightage of Marks
Paper-III	Semester-III	Mathematics/Computer Science	Programming in C++	NP	3	100
		Physics	Introduction to Spectroscopy	NP	3	100
		History	Indian Knowledge System	NP	3	100
		Pol. Sc.	Human Rights	NP	3	100
		Sociology	Environmental Issues and Challenges	NP	3	100
		Commerce	Entrepreneurship Development and Start-up	NP	3	100
		Psychology	Health psychology	NP	3	100
		Sanskrit	Philosophy of Bhagavad Gita	NP	3	100
		Botany	Herbarium Preparation	NP	3	100

**ABILITY ENHANCEMENT COURSE(AEC) UNDER NEP-2020**

Sl. No.	Semester	Course	Credit hour (CH)	Full Mark
Paper-I	I	Odia/Hindi/Sanskrit/Urdu	4	100
Paper-II	II	English	4	100

**SKILL ENHANCEMENT COURSES (SEC) UNDER NEP-2020**

Three courses to be chosen from the **baskets of SEC** for Semester-II/V/VI respectively with 3 credits each. Student can opt any one of SEC courses in a particular semester from the basket without repetition.

(Ref: University Letter No-3177/Acd. - I, Dated: 15. 07. 2025) **NB: All courses are non-practical (NP) papers.**

Sl. No.	Semester	Course title	Credit hour (CH)	Marks

Paper-I	II	Personality Development Or Election studies and public opinion Or Quantitative and Logical Thinking Or Analytical Thinking and Logical Reasoning Or Renewable Energy & Energy Harvesting Or Vermicomposting	3	100
Paper-II	V	Yoga in Everyday Life Or Basics of Museum and Achieves Or Working with Communities Or Fundamentals of data science and data management Or Quantitative and Logical Thinking Or Programming With Mathematica	3	100
Paper-III	VI	Life Skill Education Or Quantitative and Logical Thinking Or Income Tax E-return Filing Or Organic Farming Or Biofertilizer Or Type Setting in Latex	3	100

### VALUE AIDED COURSES (VAC) UNDER NEP – 2020

(Ref: University Letter No-3177/Acd. – I, Dated: 15. 07. 2025)

Sl No	Semester	Paper	Course title	Credit	Marks
Paper-I	I	PAPER I	Environmental Studies and Disaster Management	3	100
Paper-I	III	PAPER II	Ethics & Values	3	100
Paper-I	V	PAPER III	Understanding Odisha	3	100
Paper-I	VI	PAPER IV	Creative Writing	3	100

## COURSE AT A GLANCE (NEP-UG)

**SUBJECT: EDUCATION**

**ACADEMIC SESSION: 2025-28**

### **CORE-I COURSE**

Course Number	Semester	Course Title	Type of Paper P-Practical NP-Non-practical	Credit Hour	Maximum Weightage of Marks
Paper-I	I	Philosophical Foundation of Education	P	4	100
Paper-II		Psychological Foundation of Education	P	4	100
Paper-III	II	Sociology of Education	P	4	100
Paper-IV		Pedagogical Perspectives in Education	P	4	100
Paper-V	III	Assessment & Evaluation in Education	P	4	100
Paper-VI		Historical Bases of Indian Education	P	4	100
Paper-VII		Educational Thinkers of Modern India	P	4	100
Paper-VIII	IV	Early Childhood Care & Education	P	4	100
Paper-IX		Trends ,Policies & Practices in Education	P	4	100
Paper-X		ITC in Education	P	4	100
Paper-XI	V	Pedagogy of Odia	P	4	100
Paper-XII		Pedagogy of English	P	4	100
Paper-XIII		Pedagogy of Social Science	P	4	100
Paper-XIV	VI	Knowledge and Curriculum	P	4	100
Paper-XV		COMMUNITY ENGAGEMENT SERVICES	P	4	100
Paper-XVI	VII	EDUCATIONAL MANAGEMENT AND LEADERSHIP	P	4	100
Paper-XVII		FUNDAMENTAL OF EDRAL RESEARCH	P	4	100
Paper-XVIII		STATISTICS IN EDUCATION	P	4	100
Paper-XIX		GUIDEANCE AND COUNCILING IN EDUCATION	P	4	100
Paper-XX	VIII	ART AND CRAFT EDUCATION	P	4	100
Paper-XXI		INCLUSIVE EDUCATION	P	4	100
Paper-XXII		TEACHER EDUCATION	P	4	100
Paper-XXIII		COMPUTER EDUCATION IN TEACHING LEARNING	P	4	100

### **CORE-II/CORE-III COURSE**

Course Number	Semester Core-II/ Core-III	Course Title	Type of Paper P-Practical NP-Non-practical	Credit Hour	Maximum Weightage of Marks
Paper-I	I/II	PHILOSOPHICAL FOUNDATION IN EDUCATION	P	4	100
Paper-II	III/IV	PSYCHOLOGICAL FOUNDATION IN EDUCATION	P	4	100
Paper-III	V/VI	SOCIOLOGY OF EDUCATION	P	4	100
Paper-IV	VII	PEDASOSIAL PERSPECTIVE IN EDUCATION	P	4	100
Paper-V	VIII	ASSESMENT AND EVOLUTION IN EDUCATION	P	4	100

## **OTHER COURSES**

### **MULTIDISCIPLINARY COURSES (MDC)UNDER NEP-2020**

Three courses to be chosen from **baskets of Multidisciplinary courses** for Semester-I/II/III with 3 credits each. Students are advised to choose one course/ Semester from the basket provided. Students are advised to opt for courses outside their discipline. No repetition of courses allowed.

(Ref: University Letter No-3177/Acd. – I, Dated: 15. 07. 2025 Letter No. 3993/Acd-I Dt: 02.09.2025)

**SEMESTER: I**

Course No.	Semester	Dept. to Teach	Course Title	Type of Paper <b>P-Practical</b> <b>NP-Non-practical</b>	Credit Hour	Maximum Weightage of Marks
Paper-I	Semester-I	Chemistry	Environmental Chemistry	NP	3	100
		Botany	Gardening and Vermicomposting	NP	3	100
		Economics	Economics in Everyday Life	NP	3	100
		History	History of Education in Modern India	NP	3	100
		Odia	Tulanatmak Sahitya	NP	3	100
		Pol. Sc.	Political Process in India	NP	3	100
		English	Ethical Literature	NP	3	100
		Commerce	Financial Literacy	NP	3	100
		Education	Educational Psychology	NP	3	100

**SEMESTER: II**

Course No.	Semester	Dept. to Teach	Course Title	Type of Paper <b>P-Practical</b> <b>NP-Non-practical</b>	Credit Hour	Maximum Weightage of Marks
Paper-II	Semester-II	Statistics	Survival Analysis and Biostatistics	NP	3	100
		Zoology	Apiculture	NP	3	100
		Education	Gender and Education	NP	3	100
		Geography/Geology	Climatology	NP	3	100
		Philosophy	Vedic Culture	NP	3	100
		Hindi	Vigyapan Avadharana Aur Prayojanmulak Aayam	NP	3	100
		Home Science	Food Science and Processing	NP	3	100
		Commerce	Fundamentals of Entrepreneurship and E- Commerce	NP	3	100
		Economics	Demography	NP	3	100

**SEMESTER: III**

Course No.	Semester	Dept. to Teach	Course Title	Type of Paper <b>P- Practical NP-Non-practical</b>	Credit Hour	Maximum Weightage of Marks
Paper-III	Semester-III	Mathematics/Computer Science	Programming in C++	NP	3	100
		Physics	Introduction to Spectroscopy	NP	3	100
		History	Indian Knowledge System	NP	3	100
		Pol. Sc.	Human Rights	NP	3	100
		Sociology	Environmental Issues and Challenges	NP	3	100
		Commerce	Entrepreneurship Development and Start-up	NP	3	100
		Psychology	Health psychology	NP	3	100
		Sanskrit	Philosophy of Bhagavad Gita	NP	3	100
		Botany	Herbarium Preparation	NP	3	100

**ABILITY ENHANCEMENT COURSE(AEC) UNDER NEP-2020**

Sl. No.	Semester	Course	Credit hour (CH)	Full Mark
Paper-I	I	Odia/Hindi/Sanskrit/Urdu	4	100
Paper-II	II	English	4	100

**SKILL ENHANCEMENT COURSES (SEC) UNDER NEP-2020**

Three courses to be chosen from the **baskets of SEC** for Semester-II/V/VI respectively with 3 credits each. Student can opt any one of SEC courses in a particular semester from the basket without repetition.

(Ref: University Letter No-3177/Acd. - I, Dated: 15. 07. 2025) **NB: All courses are non-practical (NP) papers.**

Sl. No.	Semester	Course title	Credit hour (CH)	Marks

Paper-I	II	Personality Development Or Election studies and public opinion Or Quantitative and Logical Thinking Or Analytical Thinking and Logical Reasoning Or Renewable Energy & Energy Harvesting Or Vermicomposting	3	100
Paper-II	V	Yoga in Everyday Life Or Basics of Museum and Achieves Or Working with Communities Or Fundamentals of data science and data management Or Quantitative and Logical Thinking Or Programming With Mathematica	3	100
Paper-III	VI	Life Skill Education Or Quantitative and Logical Thinking Or Income Tax E-return Filing Or Organic Farming Or Biofertilizer Or Type Setting in Latex	3	100

### VALUE AIDED COURSES (VAC) UNDER NEP – 2020

(Ref: University Letter No-3177/Acd. – I, Dated: 15. 07. 2025)

Sl No	Semester	Paper	Course title	Credit	Marks
Paper-I	I	PAPER I	Environmental Studies and Disaster Management	3	100
Paper-I	III	PAPER II	Ethics & Values	3	100
Paper-I	V	PAPER III	Understanding Odisha	3	100
Paper-I	VI	PAPER IV	Creative Writing	3	100

## COURSE AT A GLANCE (NEP-UG)

**SUBJECT: HISTORY**

**ACADEMIC SESSION: 2025-28**

### **CORE-I COURSE**

Course Number	Semester	Course Title	Type of Paper P-Practical NP-Non-practical	Credit Hour	Maximum Weightage of Marks
Paper-I	I	HISTORY OF INDIA ( FROM VEDIC AGE)		4	100
Paper-II		SOCIAL FORMATION AND CULTURAL PATTERN OF A.W.		4	100
Paper-III	II	HISTORY OF INDIA - II (600 B.C.E- 750 C.E.)		4	100
Paper-IV		SOCIAL FORMATION AND CULTURAL F. OF THE M. WORLD		4	100
Paper-V	III	HISTORY OF INDIA -II (750-1206)		4	100
Paper-VI		RISE OF MODERN WEST - I		4	100
Paper-VII		HISTORY OF INDIA (1206-1526)		4	100
Paper-VIII	IV	RISE OF MODERN WEST II		4	100
Paper-IX		HISTORY OF INDIA (1526-1750)		4	100
Paper-X		HISTORICAL THEORIES AND METHODS		4	100
Paper-XI	V	HISTORY OF MODERN EUROPE (1780-1880)		4	100
Paper-XII		HISTORY OF INDIA (C.1750-1857)		4	100
Paper-XIII		HISTORY OF INDIA ( 1857-1950)		4	100
Paper-XIV	VI	HISTORY AND CULTURE OF ODISHA -I		4	100
Paper-XV		HISTORY OF ORISSA : MAKING OF A REGION		4	100
Paper-XVI	VII	HISTORY OF MODERN EUROPE(C.1880-1939)		4	100
Paper-XVII		HISTORY OF MODERN CHINA (18 <sup>th</sup> - 20 <sup>th</sup> cent.)		4	100
Paper-XVIII		EVOLUTION OF MODERN POLITICAL THOUGHTS IN INDIA		4	100
Paper-XIX		BASIC PRINCIPLES AND METHODS OF ARCHEOLOGY		4	100
Paper-XX	VIII	ART AND ARCH. IN INDIA ( UPTO- MEDIVAL)		4	100
Paper-XXI		A SHORT HISTORY OF CONTEMPERY CULTURE		4	100
Paper-XXII		TRIBES OF ODISHA THROUGH AGES		4	100
Paper-XXIII		READING HISTORICAL EASSY AND WRITINGS		4	100

### **CORE-II/CORE-III COURSE**

Course Number	Semester Core-II/ Core-III	Course Title	Type of Paper P-Practical NP-Non-practical	Credit Hour	Maximum Weightage of Marks
Paper-I	I/II	HISTORY OF INDIA-600BC- 750 BC		4	100
Paper-II	III/IV	HISTORY OF INDIA ( C. 1750-1857)		4	100
Paper-III	V/VI	HISTORY OF INDIA ( 1857-1950)		4	100
Paper-IV	VII	HISTORY OF ORISSA MAKING OF REGION		4	100
Paper-V	VIII	HISTORY OF MODERN EUROPE(C.1880-1939)		4	100

## OTHER COURSES

### MULTIDISCIPLINARY COURSES (MDC)UNDER NEP-2020

Three courses to be chosen from **baskets of Multidisciplinary courses** for Semester-I/II/III with 3 credits each. Students are advised to choose one course/ Semester from the basket provided. Students are advised to opt for courses outside their discipline. No repetition of courses allowed.

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#### SEMESTER: I

Course No.	Semester	Dept. to Teach	Course Title	Type of Paper <b>P-Practical</b> <b>NP-Non-practical</b>	Credit Hour	Maximum Weightage of Marks
Paper-I	Semester-I	Chemistry	Environmental Chemistry	NP	3	100
		Botany	Gardening and Vermicomposting	NP	3	100
		Economics	Economics in Everyday Life	NP	3	100
		History	History of Education in Modern India	NP	3	100
		Odia	Tulanatmak Sahitya	NP	3	100
		Pol. Sc.	Political Process in India	NP	3	100
		English	Ethical Literature	NP	3	100
		Commerce	Financial Literacy	NP	3	100
		Education	Educational Psychology	NP	3	100

#### SEMESTER: II

Course No.	Semester	Dept. to Teach	Course Title	Type of Paper <b>P-Practical</b> <b>NP-Non-practical</b>	Credit Hour	Maximum Weightage of Marks
Paper-II	Semester-II	Statistics	Survival Analysis and Biostatistics	NP	3	100
		Zoology	Apiculture	NP	3	100
		Education	Gender and Education	NP	3	100
		Geography/Geology	Climatology	NP	3	100
		Philosophy	Vedic Culture	NP	3	100
		Hindi	Vigyapan Avadharana Aur Prayojanmulak Aayam	NP	3	100
		Home Science	Food Science and Processing	NP	3	100
		Commerce	Fundamentals of Entrepreneurship and E- Commerce	NP	3	100
		Economics	Demography	NP	3	100

**SEMESTER: III**

Course No.	Semester	Dept. to Teach	Course Title	Type of Paper <b>P- Practical NP-Non-practical</b>	Credit Hour	Maximum Weightage of Marks
Paper-III	Semester-III	Mathematics/Computer Science	Programming in C++	NP	3	100
		Physics	Introduction to Spectroscopy	NP	3	100
		History	Indian Knowledge System	NP	3	100
		Pol. Sc.	Human Rights	NP	3	100
		Sociology	Environmental Issues and Challenges	NP	3	100
		Commerce	Entrepreneurship Development and Start-up	NP	3	100
		Psychology	Health psychology	NP	3	100
		Sanskrit	Philosophy of Bhagavad Gita	NP	3	100
		Botany	Herbarium Preparation	NP	3	100

**ABILITY ENHANCEMENT COURSE(AEC) UNDER NEP-2020**

Sl. No.	Semester	Course	Credit hour (CH)	Full Mark
Paper-I	I	Odia/Hindi/Sanskrit/Urdu	4	100
Paper-II	II	English	4	100

**SKILL ENHANCEMENT COURSES (SEC) UNDER NEP-2020**

Three courses to be chosen from the **baskets of SEC** for Semester-II/V/VI respectively with 3 credits each. Student can opt any one of SEC courses in a particular semester from the basket without repetition.

(Ref: University Letter No-3177/Acd. - I, Dated: 15. 07. 2025) **NB: All courses are non-practical (NP) papers.**

Sl. No.	Semester	Course title	Credit hour (CH)	Marks

Paper-I	II	Personality Development Or Election studies and public opinion Or Quantitative and Logical Thinking Or Analytical Thinking and Logical Reasoning Or Renewable Energy & Energy Harvesting Or Vermicomposting	3	100
Paper-II	V	Yoga in Everyday Life Or Basics of Museum and Achieves Or Working with Communities Or Fundamentals of data science and data management Or Quantitative and Logical Thinking Or Programming With Mathematica	3	100
Paper-III	VI	Life Skill Education Or Quantitative and Logical Thinking Or Income Tax E-return Filing Or Organic Farming Or Biofertilizer Or Type Setting in Latex	3	100

### VALUE AIDED COURSES (VAC) UNDER NEP – 2020

(Ref: University Letter No-3177/Acd. – I, Dated: 15. 07. 2025)

Sl No	Semester	Paper	Course title	Credit	Marks
Paper-I	I	PAPER I	Environmental Studies and Disaster Management	3	100
Paper-I	III	PAPER II	Ethics & Values	3	100
Paper-I	V	PAPER III	Understanding Odisha	3	100
Paper-I	VI	PAPER IV	Creative Writing	3	100

## COURSE AT A GLANCE (NEP-UG)

**SUBJECT: HOME SCIENCE**

**ACADEMIC SESSION: 2025-28**

### **CORE-I COURSE**

Course Number	Semester	Course Title	Type of Paper P-Practical NP-Non-practical	Credit Hour	Maximum Weightage of Marks
Paper-I	I	FOOD AND NUTRITION	P	4	100
Paper-II		CHILD DEVELOPMENT	P	4	100
Paper-III	II	FAMILY RESOURCE MANAGEMENT	P	4	100
Paper-IV		HOME SCIENCE EXTENSION EDUCATION	P	4	100
Paper-V	III	INTRODUCTION TO TEXTILES	P	4	100
Paper-VI		DYNAMICS OF COMMUNICATION	P	4	100
Paper-VII		DEVELOPMENT IN LATE CHILDHOOD AND ADOLESCENCE	P	4	100
Paper-VIII	IV	MATERNAL AND CHILD NUTRITION	P	4	100
Paper-IX		HUMAN PHYSIOLOGY	P	4	100
Paper-X		FUNDAMENTALS OF CLOTHING AND FASHION DESIGN	P	4	100
Paper-XI	V	MARRIAGE AND FAMILY STUDY	NP	4	100
Paper-XII		FAMILY FINANCE AND CONSUMER STUDIES	P	4	100
Paper-XIII		COMMUNITY HEALTH AND NUTRITION	P	4	100
Paper-XIV	VI	RESEARCH METHODOLOGY	NP	4	100
Paper-XV		HOUSING AND INTERIOR DESIGN	P	4	100
Paper-XVI	VII	THERAPEUTIC NUTRITION	P	4	100
Paper-XVII		EARLY CHILDHOOD CARE AND EDUCATION	P	4	100
Paper-XVIII		HOUSEHOLD ECONOMICS	P	4	100
Paper-XIX		RURAL DEVELOPMENT	P	4	100
Paper-XX	VIII	FABRIC CARE AND MANAGEMENT		4	100
Paper-XXI		FOOD SAFETY AND STANDARDS		4	100
Paper-XXII		EXCEPTIONAL CHILDREN		4	100
Paper-XXIII		ENTERPRENEURSHIP DEVELOPMENT		4	100

### **CORE-II/CORE-III COURSE**

Course Number	Semester Core-II/ Core-III	Course Title	Type of Paper P-Practical NP-Non-practical	Credit Hour	Maximum Weightage of Marks
Paper-I	I/II	FOOD AND NUTRITION	P	4	100
Paper-II	III/IV	CHILD DEVELOPMENT	P	4	100
Paper-III	V/VI	FAMILY RESOURCE MANAGEMENT	P	4	100
Paper-IV	VII	HOME SCIENCE EXTENSION EDUCATION	P	4	100
Paper-V	VIII	INTRODUCTION TO TEXTILE	P	4	100

## OTHER COURSES

### MULTIDISCIPLINARY COURSES (MDC)UNDER NEP-2020

Three courses to be chosen from **baskets of Multidisciplinary courses** for Semester-I/II/III with 3 credits each. Students are advised to choose one course/ Semester from the basket provided. Students are advised to opt for courses outside their discipline. No repetition of courses allowed.

(Ref: University Letter No-3177/Acd. – I, Dated: 15. 07. 2025 Letter No. 3993/Acd-I Dt: 02.09.2025)

#### SEMESTER: I

Course No.	Semester	Dept. to Teach	Course Title	Type of Paper <b>P-Practical</b> <b>NP-Non-practical</b>	Credit Hour	Maximum Weightage of Marks
Paper-I	Semester-I	Chemistry	Environmental Chemistry	NP	3	100
		Botany	Gardening and Vermicomposting	NP	3	100
		Economics	Economics in Everyday Life	NP	3	100
		History	History of Education in Modern India	NP	3	100
		Odia	Tulanatmak Sahitya	NP	3	100
		Pol. Sc.	Political Process in India	NP	3	100
		English	Ethical Literature	NP	3	100
		Commerce	Financial Literacy	NP	3	100
		Education	Educational Psychology	NP	3	100

#### SEMESTER: II

Course No.	Semester	Dept. to Teach	Course Title	Type of Paper <b>P-Practical</b> <b>NP-Non-practical</b>	Credit Hour	Maximum Weightage of Marks
Paper-II	Semester-II	Statistics	Survival Analysis and Biostatistics	NP	3	100
		Zoology	Apiculture	NP	3	100
		Education	Gender and Education	NP	3	100
		Geography/Geology	Climatology	NP	3	100
		Philosophy	Vedic Culture	NP	3	100
		Hindi	Vigyapan Avadharana Aur Prayojanmulak Aayam	NP	3	100
		Home Science	Food Science and Processing	NP	3	100
		Commerce	Fundamentals of Entrepreneurship and E- Commerce	NP	3	100
		Economics	Demography	NP	3	100

**SEMESTER: III**

Course No.	Semester	Dept. to Teach	Course Title	Type of Paper <b>P- Practical NP-Non-practical</b>	Credit Hour	Maximum Weightage of Marks
Paper-III	Semester-III	Mathematics/Computer Science	Programming in C++	NP	3	100
		Physics	Introduction to Spectroscopy	NP	3	100
		History	Indian Knowledge System	NP	3	100
		Pol. Sc.	Human Rights	NP	3	100
		Sociology	Environmental Issues and Challenges	NP	3	100
		Commerce	Entrepreneurship Development and Start-up	NP	3	100
		Psychology	Health psychology	NP	3	100
		Sanskrit	Philosophy of Bhagavad Gita	NP	3	100
		Botany	Herbarium Preparation	NP	3	100

**ABILITY ENHANCEMENT COURSE(AEC) UNDER NEP-2020**

Sl. No.	Semester	Course	Credit hour (CH)	Full Mark
Paper-I	I	Odia/Hindi/Sanskrit/Urdu	4	100
Paper-II	II	English	4	100

**SKILL ENHANCEMENT COURSES (SEC) UNDER NEP-2020**

Three courses to be chosen from the **baskets of SEC** for Semester-II/V/VI respectively with 3 credits each. Student can opt any one of SEC courses in a particular semester from the basket without repetition.

(Ref: University Letter No-3177/Acd. - I, Dated: 15. 07. 2025) **NB: All courses are non-practical (NP) papers.**

Sl. No.	Semester	Course title	Credit hour (CH)	Marks

Paper-I	II	Personality Development Or Election studies and public opinion Or Quantitative and Logical Thinking Or Analytical Thinking and Logical Reasoning Or Renewable Energy & Energy Harvesting Or Vermicomposting	3	100
Paper-II	V	Yoga in Everyday Life Or Basics of Museum and Achieves Or Working with Communities Or Fundamentals of data science and data management Or Quantitative and Logical Thinking Or Programming With Mathematica	3	100
Paper-III	VI	Life Skill Education Or Quantitative and Logical Thinking Or Income Tax E-return Filing Or Organic Farming Or Biofertilizer Or Type Setting in Latex	3	100

### VALUE AIDED COURSES (VAC) UNDER NEP – 2020

(Ref: University Letter No-3177/Acd. – I, Dated: 15. 07. 2025)

Sl No	Semester	Paper	Course title	Credit	Marks
Paper-I	I	PAPER I	Environmental Studies and Disaster Management	3	100
Paper-I	III	PAPER II	Ethics & Values	3	100
Paper-I	V	PAPER III	Understanding Odisha	3	100
Paper-I	VI	PAPER IV	Creative Writing	3	100

## COURSE AT A GLANCE (NEP-U.G.)

SUBJECT:ODIA

ACADEMIC SESSION: 2025-28

### CORE-I COURSE

Course Number	Semester	Course Title	Type of Paper P-Practical NP-Non-practical	Credit Hour	Maximum Weightage of Marks
Paper-I	I	ଭାଷା ବିଜ୍ଞାନ	NP	4	100
Paper-II		ସାହିତ୍ୟର ସ୍ଵରୂପ			
Paper-III	II	ପ୍ରାଚୀନ ଓଡ଼ିଆ ସାହିତ୍ୟର ଲତିହାସ	NP	4	100
Paper-IV		ମଧ୍ୟୀମୀତ୍ୟ ଓଡ଼ିଆ ସାହିତ୍ୟର ଲତିହାସ			
Paper-V	III	ଆଧୁନିକ ଓଡ଼ିଆ ସାହିତ୍ୟର ଲତିହାସ: ନବଜାଗରଣ ଓ ସତ୍ୟବାଦୀଧାରା	NP	4	100
Paper-VI		ଆଧୁନିକ ଓଡ଼ିଆ ସାହିତ୍ୟର ଲତିହାସ: ସବୁଜ, ପ୍ରଗତିବାଦୀଧାରା ଓ ସାଧାନତା ପରଦର୍ଶୀ କାଳ			
Paper-VII		ପ୍ରାଚୀନ ଓ ମଧ୍ୟୀମୀତ୍ୟ ଓଡ଼ିଆ କବିତା			
Paper-VIII	IV	ଆଧୁନିକ ଓଡ଼ିଆ କବିତା	NP	4	100
Paper-IX		ଓଡ଼ିଆ ନାଚକ ଓ ଏକାଙ୍କିକା			
Paper-X		ଓଡ଼ିଆ କଥା ସାହିତ୍ୟ			
Paper-XI	V	ଆଧୁନିକ ଓଡ଼ିଆ ଗଦ୍ୟ ସାହିତ୍ୟ	NP	4	100
Paper-XII		ଓଡ଼ିଆ ଲୋକ ସାହିତ୍ୟ			
Paper-XIII		ଓଡ଼ିଆ ଭାଷା ଓ ଲିପିର ବ୍ୟକ୍ତିଗତ ବିବରଣ			
Paper-XIV	VI	ଓଡ଼ିଆ ଭାଷା: ଧ୍ୱନିତତ୍ତ୍ଵ, ଶରସଂଭାର, ଅନ୍ୟଭାଷାର ପ୍ରଭାବ ଓ ଶାସ୍ତ୍ରୀୟତା	NP	4	100
Paper-XV		ଓଡ଼ିଆ ବ୍ୟାବହାରିକ ବ୍ୟାକରଣ			
Paper-XVI	VII			4	100
Paper-XVII				4	100
Paper-XVIII				4	100
Paper-XIX				4	100
Paper-XX	VIII			4	100
Paper-XXI				4	100
Paper-XXII				4	100
Paper-XXIII				4	100

### CORE-II/CORE-III COURSE

Course Number	Semester Core-II/ Core-III	Course Title	Type of Paper P-Practical NP-Non-practical	Credit Hour	Maximum Weightage of Marks
Paper-I	I/II	ଭାଷା ବିଜ୍ଞାନ		4	100
Paper-II	III/IV	ସାହିତ୍ୟର ସ୍ଵରୂପ		4	100
Paper-III	V/VI	ପ୍ରାଚୀନ ଓଡ଼ିଆ ସାହିତ୍ୟର ଲତିହାସ		4	100
Paper-IV	VII			4	100
Paper-V	VIII			4	100

## OTHER COURSES

### MULTIDISCIPLINARY COURSES (MDC) UNDER NEP-2020

Three courses to be chosen from **baskets of Multidisciplinary courses** for Semester-I/II/III with 3 credits each. Students are advised to choose one course/ Semester from the basket provided. Students are advised to opt for courses outside their discipline. No repetition of courses allowed.

(Ref: University Letter No-3177/Acd. – I, Dated: 15. 07. 2025 Letter No. 3993/Acd-I Dt: 02.09.2025)

#### SEMESTER: I

Course No.	Semester	Dept. to Teach	Course Title	Type of Paper P-Practical NP-Non-practical	Credit Hour	Maximum Weightage of Marks
Paper-I	Semester-I	Chemistry	Environmental Chemistry	NP	3	100
		Botany	Gardening and Vermicomposting	NP	3	100
		Economics	Economics in Everyday Life	NP	3	100
		History	History of Education in Modern India	NP	3	100
		Odia	Tulanatmak Sahitya	NP	3	100
		Pol. Sc.	Political Process in India	NP	3	100
		English	Ethical Literature	NP	3	100
		Commerce	Financial Literacy	NP	3	100
		Education	Educational Psychology	NP	3	100

#### SEMESTER: II

Course No.	Semester	Dept. to Teach	Course Title	Type of Paper P-Practical NP-Non-practical	Credit Hour	Maximum Weightage of Marks
Paper-II	Semester-II	Statistics	Survival Analysis and Biostatistics	NP	3	100
		Zoology	Apiculture	NP	3	100
		Education	Gender and Education	NP	3	100
		Geography/Geology	Climatology	NP	3	100
		Philosophy	Vedic Culture	NP	3	100
		Hindi	Vigyapan Avadharana Aur Prayojanmulak Aayam	NP	3	100
		Home Science	Food Science and Processing	NP	3	100
		Commerce	Fundamentals of Entrepreneurship and E- Commerce	NP	3	100
		Economics	Demography	NP	3	100

**SEMESTER: III**

Course No.	Semester	Dept. to Teach	Course Title	Type of Paper P- Practical NP-Non-practical	Credit Hour	Maximum Weightage of Marks
Paper-III	Semester-III	Mathematics/Computer Science	Programming in C++	NP	3	100
		Physics	Introduction to Spectroscopy	NP	3	100
		History	Indian Knowledge System	NP	3	100
		Pol. Sc.	Human Rights	NP	3	100
		Sociology	Environmental Issues and Challenges	NP	3	100
		Commerce	Entrepreneurship Development and Start-up	NP	3	100
		Psychology	Health psychology	NP	3	100
		Sanskrit	Philosophy of Bhagavad Gita	NP	3	100
		Botany	Herbarium Preparation	NP	3	100

**ABILITY ENHANCEMENT COURSE(AEC) UNDER NEP-2020**

Sl. No.	Semester	Course	Credit hour (CH)	Full Mark
Paper-I	I	Odia/Hindi/Sanskrit/Urdu	4	100
Paper-II	II	English	4	100

**SKILL ENHANCEMENT COURSES (SEC) UNDER NEP-2020**

Three courses to be chosen from the **baskets of SEC** for Semester-II/V/VI respectively with 3 credits each. Student can opt any one of SEC courses in a particular semester from the basket without repetition.

(Ref: University Letter No-3177/Acd. - I, Dated: 15. 07. 2025) NB: All courses are non-practical (NP) papers.

Sl. No.	Semester	Course title	Credit hour (CH)	Marks

Paper-I	II	Personality Development Or Election studies and public opinion Or Quantitative and Logical Thinking Or Analytical Thinking and Logical Reasoning Or Renewable Energy & Energy Harvesting Or Vermicomposting	3	100
Paper-II	V	Yoga in Everyday Life Or Basics of Museum and Achieves Or Working with Communities Or Fundamentals of data science and data management Or Quantitative and Logical Thinking Or Programming With Mathematica	3	100
Paper-III	VI	Life Skill Education Or Quantitative and Logical Thinking Or Income Tax E-return Filing Or Organic Farming Or Biofertilizer Or Type Setting in Latex	3	100

### VALUE AIDED COURSES (VAC) UNDER NEP – 2020

(Ref: University Letter No-3177/Acd. – I, Dated: 15. 07. 2025)

Sl No	Semester	Paper	Course title	Credit	Marks
Paper-I	I	PAPER I	Environmental Studies and Disaster Management	3	100
Paper-I	III	PAPER II	Ethics & Values	3	100
Paper-I	V	PAPER III	Understanding Odisha	3	100
Paper-I	VI	PAPER IV	Creative Writing	3	100

## COURSE AT A GLANCE (NEP-UG)

**SUBJECT: PHYSICS**

**ACADEMIC SESSION: 2025-28**

### **CORE-I COURSE**

Course Number	Semester	Course Title	Type of Paper P-Practical NP-Non-practical	Credit Hour	Maximum Weightage of Marks
Paper-I	I	MATHEMATICAL PHYSICS -1	P	4	100
Paper-II		MECHANICS	P	4	100
Paper-III	II	ELECTRICITY AND MAGNETISM	P	4	100
Paper-IV		MATHEMATICAL PHYSICS -2	P	4	100
Paper-V	III	WAVES AND OPTICS	P	4	100
Paper-VI		MATHEMATICAL PHYSICS-3	P	4	100
Paper-VII		THERMAL PHYSICS	P	4	100
Paper-VIII	IV	ANALOG SYSTEMS	P	4	100
Paper-IX		BASIC INSTRUMENTATIONS	P	4	100
Paper-X		NUCLEAR AND PARTICLE PHYSICS	P	4	100
Paper-XI	V	DIGITAL SYSTEM	P	4	100
Paper-XII		QUANTUM MECHANICS AND APPLICATIONS	P	4	100
Paper-XIII		SOLID STATE PHYSICS	P	4	100
Paper-XIV	VI	ELECTRO- MAGNETIC THEORY	P	4	100
Paper-XV		STATISTICAL PHYSICS	P	4	100
Paper-XVI	VII	MATHEMATICAL METHODS IN PHYSICS	NP	4	100
Paper-XVII		CLASSICAL MECHANICS	NP	4	100
Paper-XVIII		QUANTUM MECHANICS- I	NP	4	100
Paper-XIX		COMPUTATIONAL PHYSICS LAB	NP	4	100
Paper-XX	VIII	CLASSICAL ELECTRO DYNAMICS	NP	4	100
Paper-XXI		QUANTUM MECHANICS 2	NP	4	100
Paper-XXII		ELECTRONICS	NP	4	100
Paper-XXIII		OPTICS AND MODERN PHYSICS LAB	NP	4	100

### **CORE-II/CORE-III COURSE**

Course Number	Semester Core-II/ Core-III	Course Title	Type of Paper P-Practical NP-Non-practical	Credit Hour	Maximum Weightage of Marks
Paper-I	I/II	MECHANICS	P	4	100
Paper-II	III/IV	ELECTRICITY AND MAGNETISM	P	4	100
Paper-III	V/VI	WAVES AND OPTICS	P	4	100
Paper-IV	VII	ANALOG SYSTEM	P	4	100
Paper-V	VIII	DIGITAL SYSTEM	P	4	100

## **OTHER COURSES**

### **MULTIDISCIPLINARY COURSES (MDC)UNDER NEP-2020**

Three courses to be chosen from **baskets of Multidisciplinary courses** for Semester-I/II/III with 3 credits each. Students are advised to choose one course/ Semester from the basket provided. Students are advised to opt for courses outside their discipline. No repetition of courses allowed.

(Ref: University Letter No-3177/Acd. – I, Dated: 15. 07. 2025 Letter No. 3993/Acd-I Dt: 02.09.2025)

**SEMESTER: I**

Course No.	Semester	Dept. to Teach	Course Title	Type of Paper <b>P-Practical</b> <b>NP-Non-practical</b>	Credit Hour	Maximum Weightage of Marks
Paper-I	Semester-I	Chemistry	Environmental Chemistry	NP	3	100
		Botany	Gardening and Vermicomposting	NP	3	100
		Economics	Economics in Everyday Life	NP	3	100
		History	History of Education in Modern India	NP	3	100
		Odia	Tulanatmak Sahitya	NP	3	100
		Pol. Sc.	Political Process in India	NP	3	100
		English	Ethical Literature	NP	3	100
		Commerce	Financial Literacy	NP	3	100
		Education	Educational Psychology	NP	3	100

**SEMESTER: II**

Course No.	Semester	Dept. to Teach	Course Title	Type of Paper <b>P-Practical</b> <b>NP-Non-practical</b>	Credit Hour	Maximum Weightage of Marks
Paper-II	Semester-II	Statistics	Survival Analysis and Biostatistics	NP	3	100
		Zoology	Apiculture	NP	3	100
		Education	Gender and Education	NP	3	100
		Geography/Geology	Climatology	NP	3	100
		Philosophy	Vedic Culture	NP	3	100
		Hindi	Vigyapan Avadharana Aur Prayojanmulak Aayam	NP	3	100
		Home Science	Food Science and Processing	NP	3	100
		Commerce	Fundamentals of Entrepreneurship and E- Commerce	NP	3	100
		Economics	Demography	NP	3	100

**SEMESTER: III**

Course No.	Semester	Dept. to Teach	Course Title	Type of Paper <b>P- Practical NP-Non-practical</b>	Credit Hour	Maximum Weightage of Marks
Paper-III	Semester-III	Mathematics/Computer Science	Programming in C++	NP	3	100
		Physics	Introduction to Spectroscopy	NP	3	100
		History	Indian Knowledge System	NP	3	100
		Pol. Sc.	Human Rights	NP	3	100
		Sociology	Environmental Issues and Challenges	NP	3	100
		Commerce	Entrepreneurship Development and Start-up	NP	3	100
		Psychology	Health psychology	NP	3	100
		Sanskrit	Philosophy of Bhagavad Gita	NP	3	100
		Botany	Herbarium Preparation	NP	3	100

**ABILITY ENHANCEMENT COURSE(AEC) UNDER NEP-2020**

Sl. No.	Semester	Course	Credit hour (CH)	Full Mark
Paper-I	I	Odia/Hindi/Sanskrit/Urdu	4	100
Paper-II	II	English	4	100

**SKILL ENHANCEMENT COURSES (SEC) UNDER NEP-2020**

Three courses to be chosen from the **baskets of SEC** for Semester-II/V/VI respectively with 3 credits each. Student can opt any one of SEC courses in a particular semester from the basket without repetition.

(Ref: University Letter No-3177/Acd. - I, Dated: 15. 07. 2025) **NB: All courses are non-practical (NP) papers.**

Sl. No.	Semester	Course title	Credit hour (CH)	Marks

Paper-I	II	Personality Development Or Election studies and public opinion Or Quantitative and Logical Thinking Or Analytical Thinking and Logical Reasoning Or Renewable Energy & Energy Harvesting Or Vermicomposting	3	100
Paper-II	V	Yoga in Everyday Life Or Basics of Museum and Achieves Or Working with Communities Or Fundamentals of data science and data management Or Quantitative and Logical Thinking Or Programming With Mathematica	3	100
Paper-III	VI	Life Skill Education Or Quantitative and Logical Thinking Or Income Tax E-return Filing Or Organic Farming Or Biofertilizer Or Type Setting in Latex	3	100

### VALUE AIDED COURSES (VAC) UNDER NEP – 2020

(Ref: University Letter No-3177/Acd. – I, Dated: 15. 07. 2025)

Sl No	Semester	Paper	Course title	Credit	Marks
Paper-I	I	PAPER I	Environmental Studies and Disaster Management	3	100
Paper-I	III	PAPER II	Ethics & Values	3	100
Paper-I	V	PAPER III	Understanding Odisha	3	100
Paper-I	VI	PAPER IV	Creative Writing	3	100

# COURSE AT A GLANCE (NEP-U.G.)

**SUBJECT: CHEMISTRY**

**ACADEMIC SESSION: 2025-28**

## **CORE-I COURSE**

Course Number	Semester	Course Title	Type of Paper P-Practical NP-Non-practical	Credit Hour	Maximum Weightage of Marks
Paper-I	I	Atomic Structure, Periodicity of elements and Chemical Bonding	P	4	100
Paper-II		Fundamental Organic Chemistry	P	4	100
Paper-III	II	States of matter, and Ionic equilibrium	P	4	100
Paper-IV		Chemical thermodynamics, equilibrium, and Colligative property	P	4	100
Paper-V	III	Acids and Bases, Metallurgy, Chemistry of main group elements	P	4	100
Paper-VI		Chemistry of halogen, oxygen and sulphur containing organic compounds	P	4	100
Paper-VII		Phase equilibrium, Chemical dynamics, catalysis and surface chemistry	P	4	100
Paper-VIII	IV	Coordination Chemistry, Chemistry of d- and f-block elements, Inorganic Reaction Mechanism and electron transfer reactions	P	4	100
Paper-IX		Natural Products, Heterocyclic Compounds, Nitrogen containing compounds and Polynuclear Hydrocarbons	P	4	100
Paper-X		Conductance, electrochemistry, electrical properties of atoms and molecules	P	4	100
Paper-XI	V	Organic Spectroscopy	P	4	100
Paper-XII		Basic quantum chemistry, Molecular & electronic spectroscopy, and photochemistry	P	4	100
Paper-XIII		Chemistry of Organometallic Compounds	P	4	100
Paper-XIV	VI	Chemistry of Biomolecules	P	4	100
Paper-XV		Solid and porous materials, and magnetochemistry and power cells	P	4	100
Paper-XVI	VII	Analytical Methods of Chemistry	NP	4	100
Paper-XVII		Polymer Chemistry	P	4	100
Paper-XVIII		Green Chemistry	P	4	100
Paper-XIX		Oxidation, Reduction, Reagents, Rearrangements and Name Reactions	NP	4	100
Paper-XX	VIII	Quantum chemistry & Statistical Thermodynamics	NP	4	100
Paper-XXI		Chemical group theory, electronic spectra of metal complexes, and nuclear chemistry	P	4	100
Paper-XXII		Pericyclic reactions, Photochemistry and Retrosynthesis	P	4	100
Paper-XXIII		Research Methodology for Chemistry	NP	4	100

## **CORE-II/CORE-III COURSE**

Course Number	Semester Core-II/ Core-III	Course Title	Type of Paper P-Practical NP-Non-practical	Credit Hour	Maximum Weightage of Marks
Paper-I	I/II	Atomic Structure, Periodicity of elements and Chemical Bonding	P	4	100
Paper-II	III/IV	Fundamental Organic Chemistry	P	4	100
Paper-III	V/VI	States of matter, and Ionic equilibrium	P	4	100

Paper-IV	VII	Chemical thermodynamics, equilibrium, and Colligative property	P	4	100
Paper-V	VIII	Acids and Bases, Metallurgy, Chemistry of main group elements	P	4	100

## OTHER COURSES

### MULTIDISCIPLINARY COURSES (MDC) UNDER NEP-2020

Three courses to be chosen from **baskets of Multidisciplinary courses** for Semester-I/II/III with 3 credits each. Students are advised to choose one course/ Semester from the basket provided. Students are advised to opt for courses outside their discipline. No repetition of courses allowed.

(Ref: University Letter No-3177/Acd. – I, Dated: 15. 07. 2025 Letter No. 3993/Acd-I Dt: 02.09.2025)

#### SEMESTER: I

Course No.	Semester	Dept. to Teach	Course Title	Type of Paper P-Practical NP-Non-practical	Credit Hour	Maximum Weightage of Marks
Paper-I	Semester-I	Chemistry	Environmental Chemistry	NP	3	100
		Botany	Gardening and Vermicomposting	NP	3	100
		Economics	Economics in Everyday Life	NP	3	100
		History	History of Education in Modern India	NP	3	100
		Odia	Tulanatmak Sahitya	NP	3	100
		Pol. Sc.	Political Process in India	NP	3	100
		English	Ethical Literature	NP	3	100
		Commerce	Financial Literacy	NP	3	100
		Education	Educational Psychology	NP	3	100

#### SEMESTER: II

Course No.	Semester	Dept. to Teach	Course Title	Type of Paper P-Practical NP-Non-practical	Credit Hour	Maximum Weightage of Marks
Paper-II	Semester-II	Statistics	Survival Analysis and Biostatistics	NP	3	100
		Zoology	Apiculture	NP	3	100
		Education	Gender and Education	NP	3	100
		Geography/Geology	Climatology	NP	3	100
		Philosophy	Vedic Culture	NP	3	100
		Hindi	Vigyapan	NP	3	100

		Avadharana Aur Prayojanmulak Aayam			
	Home Science	Food Science and Processing	NP	3	100
	Commerce	Fundamentals of Entrepreneurship and E- Commerce	NP	3	100
	Economics	Demography	NP	3	100

### SEMESTER: III

Course No.	Semester	Dept. to Teach	Course Title	Type of Paper P- Practical NP-Non-practical	Credit Hour	Maximum Weightage of Marks
Paper-III	Semester-III	Mathematics/Computer Science	Programming in C++	NP	3	100
		Physics	Introduction to Spectroscopy	NP	3	100
		History	Indian Knowledge System	NP	3	100
		Pol. Sc.	Human Rights	NP	3	100
		Sociology	Environmental Issues and Challenges	NP	3	100
		Commerce	Entrepreneurship Development and Start-up	NP	3	100
		Psychology	Health psychology	NP	3	100
		Sanskrit	Philosophy of Bhagavad Gita	NP	3	100
		Botany	Herbarium Preparation	NP	3	100

### ABILITY ENHANCEMENT COURSE(AEC) UNDER NEP-2020

Sl. No.	Semester	Course	Credit hour (CH)	Full Mark
Paper-I	I	Odia/Hindi/Sanskrit/Urdu	4	100
Paper-II	II	English	4	100

## **SKILL ENHANCEMENT COURSES (SEC) UNDER NEP-2020**

Three courses to be chosen from the **baskets of SEC** for Semester-II/V/VI respectively with 3 credits each. Student can opt any one of SEC courses in a particular semester from the basket without repetition.

(Ref: University Letter No-3177/Acd. - I, Dated: 15. 07. 2025) **NB: All courses are non-practical (NP) papers.**

<b>Sl. No.</b>	<b>Semester</b>	<b>Course title</b>	<b>Credit hour (CH)</b>	<b>Marks</b>
Paper-I	II	Personality Development Or Election studies and public opinion Or Quantitative and Logical Thinking Or Analytical Thinking and Logical Reasoning Or Renewable Energy & Energy Harvesting Or Vermicomposting	3	100
Paper-II	V	Yoga in Everyday Life Or Basics of Museum and Achieves Or Working with Communities Or Fundamentals of data science and data management Or Quantitative and Logical Thinking Or Programming With Mathematica	3	100
Paper-III	VI	Life Skill Education Or Quantitative and Logical Thinking Or Income Tax E-return Filing Or Organic Farming Or Biofertilizer Or Type Setting in Latex	3	100

## **VALUE AIDED COURSES (VAC) UNDER NEP – 2020**

(Ref: University Letter No-3177/Acd. - I, Dated: 15. 07. 2025)

<b>Sl No</b>	<b>Semester</b>	<b>Paper</b>	<b>Course title</b>	<b>Credit</b>	<b>Marks</b>
Paper-I	I	PAPER I	Environmental Studies and Disaster Management	3	100
Paper-I	III	PAPER II	Ethics & Values	3	100
Paper-I	V	PAPER III	Understanding Odisha	3	100
Paper-I	VI	PAPER IV	Creative Writing	3	100

## COURSE AT A GLANCE (NEP-U.G.)

**SUBJECT: MATHEMATICS**

**ACADEMIC SESSION: 2025-28**

### **CORE-I COURSE**

Course Number	Semester	Course Title	Type of Paper P-Practical NP-Non-practical	Credit Hour	Maximum Weightage of Marks
Paper-I	I	Calculus and Analytic Geometry	NP	4	100
Paper-II		Introduction to Algebra & Number Theory	NP	4	100
Paper-III	II	Real Analysis-I	NP	4	100
Paper-IV		Algebra-I	NP	4	100
Paper-V	III	Probability	NP	4	100
Paper-VI		Differential Equations-I	P	4	100
Paper-VII		Linear Algebra	NP	4	100
Paper-VIII	IV	Real Analysis-II	NP	4	100
Paper-IX		Complex Analysis-I	NP	4	100
Paper-X		Algebra-II	NP	4	100
Paper-XI	V	Differential Equations-II	P	4	100
Paper-XII		Real Analysis-III	NP	4	100
Paper-XIII		Numerical Analysis & Scientific Computing	P	4	100
Paper-XIV	VI	Multivariable Calculus	NP	4	100
Paper-XV		Differential Geometry	NP	4	100
Paper-XVI	VII	Measure Theory & Integration	NP	4	100
Paper-XVII		Algebra-III	NP	4	100
Paper-XVIII		Topology	NP	4	100
Paper-XIX		Mathematical Methods	NP	4	100
Paper-XX	VIII	Functional Analysis	NP	4	100
Paper-XXI		Analytic Number Theory	NP	4	100
Paper-XXII		Complex Analysis-II	NP	4	100
Paper-XXIII		Differential Equations-III	NP	4	100

## CORE-II/CORE-III COURSE

Course Number	Semester Core-II/ Core-III	Course Title	Type of Paper P-Practical NP-Non-practical	Credit Hour	Maximum Weightage of Marks
Paper-I	I/II	Calculus & Analytic Geometry	NP	4	100
Paper-II	III/IV	Introduction to Algebra & Number Theory	NP	4	100
Paper-III	V/VI	Real Analysis-I	NP	4	100
Paper-IV	VII	Linear Algebra	NP	4	100
Paper-V	VIII	Multivariable Calculus	NP	4	100

## OTHER COURSES

### MULTIDISCIPLINARY COURSES (MDC) UNDER NEP-2020

Three courses to be chosen from **baskets of Multidisciplinary courses** for Semester-I/II/III with 3 credits each. Students are advised to choose one course/ Semester from the basket provided. Students are advised to opt for courses outside their discipline. No repetition of courses allowed.

(Ref: University Letter No-3177/Acd. – I, Dated: 15. 07. 2025)

#### SEMESTER: I

Course No.	Semester	Dept. to Teach	Course Title	Type of Paper P-Practical NP-Non-practical	Credit Hour	Maximum Weightage of Marks
Paper-I	Semester-I	Chemistry	Environmental Chemistry	NP	3	100
		Botany	Gardening and Vermicomposting	NP	3	100
		Economics	Economics in Everyday Life	NP	3	100
		History	History of Education in Modern India	NP	3	100
		Odia	Tulanatmak Sahitya	NP	3	100
		Pol. Sc.	Political Process in India	NP	3	100
		English	Ethical Literature	NP	3	100
		Commerce	Financial Literacy	NP	3	100
		Education	Educational Psychology	NP	3	100

**SEMESTER: II**

Course No.	Semester	Dept. to Teach	Course Title	Type of Paper P-Practical NP-Non-practical	Credit Hour	Maximum Weightage of Marks
Paper-II	Semester-II	Statistics	Survival Analysis and Biostatistics	NP	3	100
		Zoology	Apiculture	NP	3	100
		Education	Gender and Education	NP	3	100
		Geography/Geology	Climatology	NP	3	100
		Philosophy	Vedic Culture	NP	3	100
		Hindi	Vigyan Avadharana Aur Prayojanmulak Aayam	NP	3	100
		Home Science	Food and Nutrition	NP	3	100
		Commerce	Fundamentals of Entrepreneurship and E-Commerce	NP	3	100
		Economics	Demography	NP	3	100

**SEMESTER: III**

Course No.	Semester	Dept. to Teach	Course Title	Type of Paper P-Practical NP-Non-practical	Credit Hour	Maximum Weightage of Marks
Paper-III	Semester-III	Mathematics/Computer Science	Programming in C++	NP	3	100
		Physics	Introduction to Spectroscopy	NP	3	100
		History	Indian Knowledge System	NP	3	100
		Pol. Sc.	Human Rights	NP	3	100
		Sociology	Environmental Issues and Challenges	NP	3	100
		Commerce	Entrepreneurship Development and Start-up	NP	3	100
		Psychology	Health psychology	NP	3	100
		Sanskrit	Philosophy of Bhagavad Gita	NP	3	100
		Botany	Herbarium Preparation	NP	3	100

**ABILITY ENHANCEMENT COURSE(AEC) UNDER NEP-2020**

Sl. No.	Semester	Course	Credit hour (CH)	Full Mark
Paper-I	I	Odia/Hindi/Sanskrit/Urdu	4	100
Paper-II	II	English	4	100

**SKILL ENHANCEMENT COURSES (SEC) UNDER NEP-2020**

Three courses to be chosen from the baskets of SEC for Semester-II/V/VI respectively with 3 credits each. Student can opt any one of SEC courses in a particular semester from the basket without repetition.  
*(Ref: University Letter No-3177/Acd. – I, Dated: 15. 07. 2025) NB: All courses are non-practical (NP) papers.*

Sl. No.	Semester	Course title	Credit hour (CH)	Marks
Paper-I	II	Personality Development Or Election studies and public opinion Or Quantitative and Logical Thinking Or Analytical Thinking and Logical Reasoning Or Renewable Energy & Energy Harvesting Or Vermicomposting	3	100
Paper-II	V	Yoga in Everyday Life Or Basics of Museum and Achieves Or Working with Communities Or Fundamentals of data science and data management Or Quantitative and Logical Thinking Or Programming With Mathematica	3	100
Paper-III	VI	Life Skill Education Or Quantitative and Logical Thinking Or Income Tax E-return Filing Or Organic Farming Or Biofertilizer Or Type Setting in Latex	3	100

**VALUE AIDED COURSES (VAC) UNDER NEP – 2020**

*(Ref: University Letter No-3177/Acd. – I, Dated: 15. 07. 2025)*

Sl No	Semester	Paper	Course title	Credit	Marks
Paper-I	I	PAPER I	Environmental Studies and Disaster Management	3	100
Paper-I	III	PAPER II	Ethics & Values	3	100
Paper-I	V	PAPER III	Understanding Odisha	3	100
Paper-I	VI	PAPER IV	Creative Writing	3	100

## COURSE AT A GLANCE (NEP-UG)

SUBJECT: **BOTANY**

ACADEMIC SESSION: **2025-28**

### **CORE-I COURSE**

Course Number	Semester	Course Title	Type of Paper P-Practical NP-Non-practical	Credit Hour	Maximum Weightage of Marks
Paper-I	I	Microbiology and Phycology	P	4	100
Paper-II		Analytical Technique in Plant Science	P	4	100
Paper-III	II	Cell Biology	P	4	100
Paper-IV		Mycology and Phytopathology	P	4	100
Paper-V	III	Archegoniate	P	4	100
Paper-VI		Anatomy of Angiosperms & Economic Botany	P	4	100
Paper-VII		Genetics	P	4	100
Paper-VIII	IV	Basic Molecular Biological	P	4	100
Paper-IX		Plant Ecology & Phytogeography	P	4	100
Paper-X		Plant Systemic	P	4	100
Paper-XI	V	Reproductive Biology of Angiosperm	P	4	100
Paper-XII		Basic Plant Physiology	P	4	100
Paper-XIII		Basic Plant Biotechnology	P	4	100
Paper-XIV	VI	Basic Plant Metabolism	P	4	100
Paper-XV				4	100
Paper-XVI	VII			4	100
Paper-XVII				4	100
Paper-XVIII				4	100
Paper-XIX				4	100
Paper-XX	VIII			4	100
Paper-XXI				4	100
Paper-XXII				4	100
Paper-XXIII				4	100

### **CORE-II/CORE-III COURSE**

Course Number	Semester Core-II/ Core-III	Course Title	Type of Paper P-Practical NP-Non-practical	Credit Hour	Maximum Weightage of Marks
Paper-I	I/II	Microbiology and Phycology	P	4	100
Paper-II	III/IV	Cell biology	P	4	100
Paper-III	V/VI	Basic Plant Physiology	P	4	100
Paper-IV	VII		P	4	100
Paper-V	VIII		P	4	100

## **OTHER COURSES**

### **MULTIDISCIPLINARY COURSES (MDC)UNDER NEP-2020**

Three courses to be chosen from **baskets of Multidisciplinary courses** for Semester-I/II/III with 3 credits each. Students are advised to choose one course/ Semester from the basket provided. Students are advised to opt for courses outside their discipline. No repetition of courses allowed.

(Ref: University Letter No-3177/Acd. – I, Dated: 15. 07. 2025 Letter No. 3993/Acd-I Dt: 02.09.2025)

**SEMESTER: I**

Course No.	Semester	Dept. to Teach	Course Title	Type of Paper <b>P-Practical</b> <b>NP-Non-practical</b>	Credit Hour	Maximum Weightage of Marks
Paper-I	Semester-I	Chemistry	Environmental Chemistry	NP	3	100
		Botany	Gardening and Vermicomposting	NP	3	100
		Economics	Economics in Everyday Life	NP	3	100
		History	History of Education in Modern India	NP	3	100
		Odia	Tulanatmak Sahitya	NP	3	100
		Pol. Sc.	Political Process in India	NP	3	100
		English	Ethical Literature	NP	3	100
		Commerce	Financial Literacy	NP	3	100
		Education	Educational Psychology	NP	3	100

**SEMESTER: II**

Course No.	Semester	Dept. to Teach	Course Title	Type of Paper <b>P-Practical</b> <b>NP-Non-practical</b>	Credit Hour	Maximum Weightage of Marks
Paper-II	Semester-II	Statistics	Survival Analysis and Biostatistics	NP	3	100
		Zoology	Apiculture	NP	3	100
		Education	Gender and Education	NP	3	100
		Geography/Geology	Climatology	NP	3	100
		Philosophy	Vedic Culture	NP	3	100
		Hindi	Vigyapan Avadharana Aur Prayojanmulak Aayam	NP	3	100
		Home Science	Food Science and Processing	NP	3	100
		Commerce	Fundamentals of Entrepreneurship and E- Commerce	NP	3	100
		Economics	Demography	NP	3	100

**SEMESTER: III**

Course No.	Semester	Dept. to Teach	Course Title	Type of Paper <b>P- Practical NP-Non-practical</b>	Credit Hour	Maximum Weightage of Marks
Paper-III	Semester-III	Mathematics/Computer Science	Programming in C++	NP	3	100
		Physics	Introduction to Spectroscopy	NP	3	100
		History	Indian Knowledge System	NP	3	100
		Pol. Sc.	Human Rights	NP	3	100
		Sociology	Environmental Issues and Challenges	NP	3	100
		Commerce	Entrepreneurship Development and Start-up	NP	3	100
		Psychology	Health psychology	NP	3	100
		Sanskrit	Philosophy of Bhagavad Gita	NP	3	100
		Botany	Herbarium Preparation	NP	3	100

**ABILITY ENHANCEMENT COURSE(AEC) UNDER NEP-2020**

Sl. No.	Semester	Course	Credit hour (CH)	Full Mark
Paper-I	I	Odia/Hindi/Sanskrit/Urdu	4	100
Paper-II	II	English	4	100

**SKILL ENHANCEMENT COURSES (SEC) UNDER NEP-2020**

Three courses to be chosen from the **baskets of SEC** for Semester-II/V/VI respectively with 3 credits each. Student can opt any one of SEC courses in a particular semester from the basket without repetition.

(Ref: University Letter No-3177/Acd. - I, Dated: 15. 07. 2025) **NB: All courses are non-practical (NP) papers.**

Sl. No.	Semester	Course title	Credit hour (CH)	Marks

Paper-I	II	Personality Development Or Election studies and public opinion Or Quantitative and Logical Thinking Or Analytical Thinking and Logical Reasoning Or Renewable Energy & Energy Harvesting Or Vermicomposting	3	100
Paper-II	V	Yoga in Everyday Life Or Basics of Museum and Achieves Or Working with Communities Or Fundamentals of data science and data management Or Quantitative and Logical Thinking Or Programming With Mathematica	3	100
Paper-III	VI	Life Skill Education Or Quantitative and Logical Thinking Or Income Tax E-return Filing Or Organic Farming Or Biofertilizer Or Type Setting in Latex	3	100

### VALUE AIDED COURSES (VAC) UNDER NEP – 2020

(Ref: University Letter No-3177/Acd. – I, Dated: 15. 07. 2025)

Sl No	Semester	Paper	Course title	Credit	Marks
Paper-I	I	PAPER I	Environmental Studies and Disaster Management	3	100
Paper-I	III	PAPER II	Ethics & Values	3	100
Paper-I	V	PAPER III	Understanding Odisha	3	100
Paper-I	VI	PAPER IV	Creative Writing	3	100

## COURSE AT A GLANCE (NEP-UG)

**SUBJECT: ZOOLOGY**

**ACADEMIC SESSION: 2025-28**

### **CORE-I COURSE**

Course Number	Semester	Course Title	Type of Paper P-Practical NP-Non-practical	Credit Hour	Maximum Weightage of Marks
Paper-I	I	INVERTIBRATES: PROTISTA TO ECHINODERMATA	P	4	100
Paper-II		DIVERSITY OF CHORDATES: PROTOCHORDATES TO MAMALIA	P	4	100
Paper-III	II	MICROLOGY	P	4	100
Paper-IV		CELL BIOLOGY	P	4	100
Paper-V	III	PRINCIPLES OF ECOLOGY	P	4	100
Paper-VI		PHYSIOLOGY: CONTROLLING AND COORDINATING SYSTEMS	P	4	100
Paper-VII		FUNDAMENTALS OF BIOCHEMISTRY	P	4	100
Paper-VIII	IV	ENDOCRINOLOGY & REPRODUCTIVE BIOLOGY	P	4	100
Paper-IX		COMPARATIVE ANATOMY OF VERTIBRATES	P	4	100
Paper-X		PHYSIOLOGY: LIFE SUSTAINING SYSTEMS	P	4	100
Paper-XI	V	BIOCHEMISTRY OF METABOLIC PROCESS PROGRAMME OUTCOME	P	4	100
Paper-XII		PRINCIPLES OF GENETICS	P	4	100
Paper-XIII		MOLECULSR BIOLOGY	P	4	100
Paper-XIV	VI	DEVELOPMENT BIOLOGY	P	4	100
Paper-XV		TAXONOMY AND EVOLUTIONARY BIOLOGY	P	4	100
Paper-XVI	VII			4	100
Paper-XVII				4	100
Paper-XVIII				4	100
Paper-XIX				4	100
Paper-XX	VIII			4	100
Paper-XXI				4	100
Paper-XXII				4	100
Paper-XXIII				4	100

### **CORE-II/CORE-III COURSE**

Course Number	Semester Core-II/ Core-III	Course Title	Type of Paper P-Practical NP-Non-practical	Credit Hour	Maximum Weightage of Marks
Paper-I	I/II	INVERTIBRATES: PROTISTA TO ECHINODERMATA	P	4	100
Paper-II	III/IV	DIVERSITY OF CHORDATES: PROTOCHORDATES TO MAMALIA	P	4	100
Paper-III	V/VI	MICROBIOLOGY	P	4	100
Paper-IV	VII			4	100
Paper-V	VIII			4	100

## OTHER COURSES

### MULTIDISCIPLINARY COURSES (MDC)UNDER NEP-2020

Three courses to be chosen from **baskets of Multidisciplinary courses** for Semester-I/II/III with 3 credits each. Students are advised to choose one course/ Semester from the basket provided. Students are advised to opt for courses outside their discipline. No repetition of courses allowed.

(Ref: University Letter No-3177/Acd. – I, Dated: 15. 07. 2025 Letter No. 3993/Acd-I Dt: 02.09.2025)

#### SEMESTER: I

Course No.	Semester	Dept. to Teach	Course Title	Type of Paper <b>P-Practical</b> <b>NP-Non-practical</b>	Credit Hour	Maximum Weightage of Marks
Paper-I	Semester-I	Chemistry	Environmental Chemistry	NP	3	100
		Botany	Gardening and Vermicomposting	NP	3	100
		Economics	Economics in Everyday Life	NP	3	100
		History	History of Education in Modern India	NP	3	100
		Odia	Tulanatmak Sahitya	NP	3	100
		Pol. Sc.	Political Process in India	NP	3	100
		English	Ethical Literature	NP	3	100
		Commerce	Financial Literacy	NP	3	100
		Education	Educational Psychology	NP	3	100

#### SEMESTER: II

Course No.	Semester	Dept. to Teach	Course Title	Type of Paper <b>P-Practical</b> <b>NP-Non-practical</b>	Credit Hour	Maximum Weightage of Marks
Paper-II	Semester-II	Statistics	Survival Analysis and Biostatistics	NP	3	100
		Zoology	Apiculture	NP	3	100
		Education	Gender and Education	NP	3	100
		Geography/Geology	Climatology	NP	3	100
		Philosophy	Vedic Culture	NP	3	100
		Hindi	Vigyapan Avadharana Aur Prayojanmulak Aayam	NP	3	100
		Home Science	Food Science and Processing	NP	3	100
		Commerce	Fundamentals of Entrepreneurship and E- Commerce	NP	3	100
		Economics	Demography	NP	3	100

**SEMESTER: III**

Course No.	Semester	Dept. to Teach	Course Title	Type of Paper P- Practical NP-Non-practical	Credit Hour	Maximum Weightage of Marks
Paper-III	Semester-III	Mathematics/Computer Science	Programming in C++	NP	3	100
		Physics	Introduction to Spectroscopy	NP	3	100
		History	Indian Knowledge System	NP	3	100
		Pol. Sc.	Human Rights	NP	3	100
		Sociology	Environmental Issues and Challenges	NP	3	100
		Commerce	Entrepreneurship Development and Start-up	NP	3	100
		Psychology	Health psychology	NP	3	100
		Sanskrit	Philosophy of Bhagavad Gita	NP	3	100
		Botany	Herbarium Preparation	NP	3	100

**ABILITY ENHANCEMENT COURSE(AEC) UNDER NEP-2020**

Sl. No.	Semester	Course	Credit hour (CH)	Full Mark
Paper-I	I	Odia/Hindi/Sanskrit/Urdu	4	100
Paper-II	II	English	4	100

**SKILL ENHANCEMENT COURSES (SEC) UNDER NEP-2020**

Three courses to be chosen from the **baskets of SEC** for Semester-II/V/VI respectively with 3 credits each. Student can opt any one of SEC courses in a particular semester from the basket without repetition.

(Ref: University Letter No-3177/Acd. - I, Dated: 15. 07. 2025) **NB: All courses are non-practical (NP) papers.**

Sl. No.	Semester	Course title	Credit hour (CH)	Marks

Paper-I	II	Personality Development Or Election studies and public opinion Or Quantitative and Logical Thinking Or Analytical Thinking and Logical Reasoning Or Renewable Energy & Energy Harvesting Or Vermicomposting	3	100
Paper-II	V	Yoga in Everyday Life Or Basics of Museum and Achieves Or Working with Communities Or Fundamentals of data science and data management Or Quantitative and Logical Thinking Or Programming With Mathematica	3	100
Paper-III	VI	Life Skill Education Or Quantitative and Logical Thinking Or Income Tax E-return Filing Or Organic Farming Or Biofertilizer Or Type Setting in Latex	3	100

### VALUE AIDED COURSES (VAC) UNDER NEP – 2020

(Ref: University Letter No-3177/Acd. – I, Dated: 15. 07. 2025)

Sl No	Semester	Paper	Course title	Credit	Marks
Paper-I	I	PAPER I	Environmental Studies and Disaster Management	3	100
Paper-I	III	PAPER II	Ethics & Values	3	100
Paper-I	V	PAPER III	Understanding Odisha	3	100
Paper-I	VI	PAPER IV	Creative Writing	3	100