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Programme outcomes and course outcomes for all Programmes offered by the institution are stated and displayed on website and communicated to teachers and students

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: Statements of POs, PSOs & COs of all courses and programs

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1	Statements of POs, PSOs & COs of all courses and programs	

Course outcomes (Cos) of all courses of all programs offered by the institution

EDUCATION HONOURS

Semester 1

CC-1

Course Code	CORE 1
Course Title	EDUCATIONAL PHILOSOPHY
THEORY PRACTICAL	Theory and Practical
L.T.P.C	3-1-1-6
COURSE OUTCOME	
CO1	State and Analyse meaning and aims of education , Explain philosophy as a foundation
CO 2	Describe major western philosophies
CO 3	Describe the essence of different philosophies of India and draw educational implications
CO 4	Compare ideologies of Indian and western philosophers in educational context
PRACTICAL	Field visit to a seat of learning and reporting

Lecture-Tutorial-Practical-Credit

CC-2

Course Code	CORE 2
Course Title	EDUCATIONAL PSYCHOLOGY
THEORY PRACTICAL	Theory and Practical
L.T.P.C	3-1-1-6
COURSE	

OUTCOME	
CO1	Explain the concept of growth and development and basics of educational psychology
CO 2	Describe different psychological attributes
CO 3	Application of different learning theories
CO 4	Identify and assess personality type and explain the concept of mental health
PRACTICAL	Administer and interpret an intelligence test

GE - A1

Course Code	GE A 1
Course Title	EDUCATIONAL PHILOSOPHY
THEORY \PRACTICAL	Theory and Practical
L.T.P.C	3-1-1-6
COURSE OUTCOME	
CO1	State and Analyse meaning and aims of education , Explain philosophy as a foundation
CO 2	Describe major western philosophies
CO 3	Describe the essence of different philosophies of India and draw educational implications
CO 4	Compare ideologies of Indian and western philosophers in educational context
Practical	Field visit to a seat of learning and reporting

Lecture-Tutorial-Practical-Credit

Semester 2

CC-3

Course Code	CORE 3
Course Title	EDUCATIONAL SOCIOLOGY
THEORY \PRACTICAL	Theory and Practical
L.T.P.C	3-1-1-6
COURSE OUTCOME	
CO1	State the relationship between education, society, sociology , politics and economy
CO 2	Describe different agencies of education and their functions
CO 3	Justify the importance of education for social change ,modernization and globalization
CO 4	Describe the function of education to ensure equality and equity
Practical	Report on a visit to a school

Lecture-Tutorial-Practical-Credit

CC-4

Course Code	CORE 4
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Course Title	CHANGING PEDAGOGICAL PRESPECTIVE
THEORY \PRACTICAL	Theory and Practical
L.T.P.C	3-1-1-6
COURSE OUTCOME	
CO1	Explain the concept of pedagogy in terms of learning , variables and levels of teaching
CO 2	Describe different agencies of education and their functions
CO 3	Justify the importance of education for social change ,modernization and globalization
CO 4	Describe the function of education to ensure equality and equity
Practical	Prepare a rating scale to evaluate classroom teaching and reporting

GE-A2

Course Code	GE 2
Course Title	EDUCATIONAL PSYCHOLOGY
THEORY \PRACTICAL	Theory and Practical
L.T.P.C	3-1-1-6
COURSE OUTCOME	
CO1	Explain the concept of growth and development and basics of educational psychology
CO 2	Describe different psychological attributes
CO 3	Application of different learning theories
CO 4	Identify and assess personality type and explain the concept of mental health
Practical	Conduct of a case study on an exceptional child

Lecture-Tutorial-Practical-Credit

Semester 3

CC-5

Course Code	CORE 5
Course Title	EDUCATIONAL ASSESSMENT AND EVALUATION
THEORY \PRACTICAL	Theory and Practical
L.T.P.C	3-1-1-6
COURSE OUTCOME	
CO1	State the nature purpose and types of educational assessment and evaluation
CO 2	Describe the characteristics of a good test
CO 3	Illustrate the principles of test construction
CO 4	Describe the characteristics of a good test
Practical	Construction of unit test on a school subject based on blue print and reporting

Lecture-Tutorial-Practical-Credit

CC-6

Course Code	CORE 6
Course Title	EDUCATIONAL RESEARCH
THEORY \PRACTICAL	Theory and Practical
L.T.P.C	3-1-1-6
COURSE OUTCOME	
CO1	DESCRIBE THE NATURE SCOPE AND LIMITATIONS OF EDUCATIONAL RESEARCH
CO 2	ANALYZE RESEARCH DESIGN IN EDUCATION
CO 3	EXPLAIN DIFFERENT TYPES AND METHODS OF EDUCATIONAL RESEARCH
CO 4	Illustrate procedure of collecting and analyzing data and prepare the research report
Practical	PREPARE A RESEARCH PROPOSAL

Lecture-Tutorial-Practical-Credit

CC-7

Course Code	CORE 7
Course Title	STATISTICS IN EDUCATION
THEORY \PRACTICAL	Theory and Practical
L.T.P.C	3-1-1-6
COURSE OUTCOME	
CO1	Describe the importance of statistics and its application in education
CO 2	Compute and use various statistical techniques
CO 3	Analyze and interpret various educational data by using correlational methods
CO 4	Describe and interpret normal probability curve
Practical	Analyze achievement data of a class and reporting

Lecture-Tutorial-Practical-Credit

GE - B1 EDUCATION

Course Code	GE B 1
Course Title	EDUCATIONAL PHILOSOPHY
THEORY \PRACTICAL	Theory and Practical
L.T.P.C	3-1-1-6
COURSE OUTCOME	
CO1	State and Analyse meaning and aims of education , Explain philosophy as a foundation
CO 2	Describe major western philosophies
CO 3	Describe the essence of different philosophies of India and draw

	educational implications
CO 4	Compare ideologies of Indian and western philosophers in educational context
Practical	Field visit to a seat of learning and reporting

Lecture-Tutorial-Practical-Credit

Semester -4

CC-8

Course Code	CORE 8
Course Title	HISTORY OF EDUCATION IN INDIA
THEORY \PRACTICAL	Theory and Practical
L.T.P.C	3-1-1-6
COURSE OUTCOME	
CO1	Describe the system of education during Vedic and Buddhist period
CO 2	Describe the system of education during medieval period
CO 3	Explain development of education during pre independence period
CO 4	Describe major recommendations of different commissions and policies
Practical	Prepare a report on implementation of NPE 86 at elementary level

Lecture-Tutorial-Practical-Credit

CC-9

Course Code	CORE 9
Course Title	Curriculum development
THEORY \PRACTICAL	Theory and Practical
L.T.P.C	3-1-1-6
COURSE OUTCOME	
CO1	Explain concept, bases and components of curriculum
CO 2	Describe different types of curriculum
CO 3	Explain the principle of curriculum construction and critically examine NCF 2005
CO 4	Describe the role of different agencies in curriculum development and evaluate it .
Practical	Analyze the contents of a text book at elementary level

Lecture-Tutorial-Practical-Credit

CC-10

Course Code	CORE 10
Course Title	Guidance and counseling
THEORY \PRACTICAL	Theory and Practical
L.T.P.C	3-1-1-6
COURSE OUTCOME	
CO1	Explain concept and bases of guidance

CO 2	Explain tools and techniques of guidance in different contexts
CO 3	Narrate the process ,tools and techniques of counseling
CO 4	Describe organization of different guidance services in educational institutions
Practical	Conduct of case study on a child with special need

Lecture-Tutorial-Practical

GE-B2

Course Code	GE B2
Course Title	EDUCATIONAL PSYCHOLOGY
THEORY \PRACTICAL	Theory and Practical
L.T.P.C	3-1-1-6
COURSE OUTCOME	
CO1	Explain the concept of growth and development and basics of educational psychology
CO 2	Describe different psychological attributes
CO 3	Application of different learning theories
CO 4	Identify and assess personality type and explain the concept of mental health
Practical	Conduct of a case study on an exceptional child

Lecture-Tutorial-Practical-Credit

Semester -5

CC-11

Course Code	CORE 11
Course Title	Development of education in ODISHA
THEORY \PRACTICAL	Theory and Practical
L.T.P.C	3-1-1-6
COURSE OUTCOME	
CO1	Explain development of primary education in Odisha and analyze the role of different schemes for UEE
CO 2	Evaluate the progress of secondary education in ODISHA
CO 3	Analyze the scenario of higher education in Odisha
CO 4	Examine the status of teacher education in ODISHA
Practical	Seminar presentation on a topic of the course

Lecture-Tutorial-Practical

Core-12

Course Code	CORE 12
Course Title	INFORMATION AND COMMUNICATION TECHNOLOGY IN EDUCATION
THEORY \ PRACTICAL	Theory and Practical
L.T.P.C	3-1-1-6

COURSE OUTCOME	
CO1	Explain the concept of educational technology and describe its importance.
CO 2	Explore ICT resources for teaching learning
CO 3	Demonstrate the use of application software in education
CO 4	Develop the ability to use various tools connecting the world
Practical	Develop a Rubric using RUBISTAR\ Develop objective test using assessment tool

Lecture-Tutorial-Practical

Discipline Specific Electives 1

Course Code	DSE 1
Course Title	Pedagogy of Language (ODIA)
THEORY \PRACTICAL	Theory and Practical
L.T.P.C	3-1-1-6
COURSE OUTCOME	
CO1	Use strategies for facilitating acquisition of language skills
CO 2	Decide appropriate pedagogic approach to transact lessons
CO 3	Explain fundamentals of ODIA linguistics and there relevance in teaching and learning
CO 4	Prepare appropriate tool for assessment in Odia language.
Practical	SCHOOL INTERNSHIP. delivery of 5 lessons in ODIA

Lecture-Tutorial-Practical

Discipline Specific Electives 2

Course Code	DSE 2
Course Title	Pedagogy of social science
THEORY \PRACTICAL	Theory and Practical
L.T.P.C	3-1-1-6
COURSE OUTCOME	
CO1	Explain the importance of teaching social science and identification of values and competencies to be developed through social science.
CO 2	Identify different methods and skills of teaching social science
CO 3	Prepare lesson plan on topics of social science at the school level
CO 4	Develop resource materials and assess students progress in social science
Practical	SCHOOL INTERNSHIP delivery of 5 lessons in Social science

Lecture-Tutorial-Practical

CERTIFICATE COURSE

Course Code	MOOCs
Course Title	D.El.Ed(Diploma in ELEMENTARY EDUCATION)
THEORY \PRACTICAL	

L.T.P.C	
COURSE OUTCOME	
CO1	Student shall have gain knowledge in new or advanced courses from SWAYAM platform.
CO 2	Students choose D.El.Ed(Diploma in ELEMENTARY EDUCATION course which is not included in curriculum

Semester -6

CC-13

Course Code	CORE 13
Course Title	Contemporary trends and issues in Indian education
THEORY \PRACTICAL	Theory and Practical
L.T.P.C	3-1-1-6
COURSE OUTCOME	
CO1	Analyze problems and issues for ensuring quality of education at pre primary and elementary stage.
CO 2	State the importance of secondary education
CO 3	Enumerate the importance of higher education and justify the importance of teacher education
CO 4	Analyze emerging concerns in Indian education
Practical	Study on, Perception of stakeholders towards mid day meal programme

Lecture-Tutorial-Practical

CC-14

Course Code	CORE 14
Course Title	Educational management and leadership
THEORY \PRACTICAL	Theory and Practical
L.T.P.C	3-1-1-6
COURSE OUTCOME	
CO1	Describe concept and types of educational management
CO 2	Explain different aspects of institutional management
CO 3	Describe the concept theories and style of leadership in educational management
CO 4	Analyze the concepts principles and structure of total quality management approach in higher education
Practical	Study and report the role of SMC and SMDC in school management

Lecture-Tutorial-Practical

DSE 3

Course Code	DSE - 13
Course Title	POLICY AND PRACTICES IN HIGHER EDUCATION IN INDIA
THEORY	Theory and Practical

\PRACTICAL	
L.T.P.C	3-1-1-6
COURSE OUTCOME	
CO1	Analyze various policies for higher education in India
CO 2	Evaluate the progress of higher education in India
CO 3	Examine the role of different agencies for quality assurance in higher education
CO 4	Explore the management system of higher education
Practical	Analyze implementation OF NPE 86 in the context of higher education

Lecture-Tutorial-Practical

DSE 4

Course Code	DSE 4
Course Title	RESEARCH PROJECT
PRACTICAL	Practical
L.T.P.C	3-1-1-6
COURSE OUTCOME	

Program Outcomes (Education)

PO1 : Critical Analysis	Critically analyse the relationship between education and philosophy, education and psychology, education and sociology, teaching and learning, assessment and evaluation, curriculum and syllabus: guidance and counseling and management and leadership. Critically evaluate different western and eastern philosophies in relation to education and examine contribution of different educators. Critically analyse the reports of different commissions and policies on education and the role of different agencies and organizations for education at different levels. Analyse various schemes and national flagship programs for education.
PO2 : Development of Thinking Skills	Demonstrate thinking skills such as analysis, synthesis, evaluation, judgment on different concepts embedded in the thread of education such as population education, peace education, life skill education, adolescence education, environmental education, higher education, quality in education, national integration, international understanding and human rights education.
PO3 : Development of Understanding	Explain different concepts, ideas, features, bases, philosophies, curriculum design, evaluation, tools and techniques of ICT, types of assessment, trend of evaluation, guidance and counseling, tools of guidance, leadership, principles of management, research methodology, statistical analysis, statistical techniques and terms, equality, equity, inclusive education, different national schemes on education, problems and issues in education at different layers, concepts of environment, peace education , life-skill education,

	national unity, global understanding, social change modernization, globalization, etc.
PO4 : Effective Communication	Demonstrate their communication skills through paper presentation, project report sharing, and communicate their thoughts and understanding among peers and with other students and teachers in a free atmosphere.
PO5 : Application	Apply different theories of learning, pedagogical skills, motivation, discipline, communication theories while delivering teaching on school subjects especially language and social studies at the elementary level in practical and actual school situation. Apply the statistical techniques in gathering and interpreting of education data in a meaningful manner. Apply the principles of curriculum in analyzing text book at the school stage.
PO6 : Values and Ethics	Demonstrate values of democracy, human rights, human, ethical, social, cultural and constitutional obligation. Honoring diversity and ensuring inclusion by treating all with respect and dignity, showing respect for and sensitivity to gender, cultural and religious differences; and challenging prejudice, biases and intolerance in the workplace etc.;
PO7: Widening of the Horizon of Knowledge	Describe concept of different philosophies, education, curriculum, development of education, scope of guidance, theories of learning and teaching, developmental stages, psychological attributes, mental health, adjustment and the use of tools and techniques of assessment, diverse problems and issues and on different ongoing national programs for education.
PO8 : Solving Current Problems	Solve myriad problems that plague the education field in an efficient manner such as Universalisation of Elementary and Secondary Education, issue of quality and equity, environment at degradation, illiteracy, population explosion, adolescence problems, indiscipline, teenagers prone to substance use, etc.
PO9 : Use of ICT	Demonstrate various uses of ICT in expanding knowledge and understanding to facilitate their own learning at their own pace. Use various ICT tools in an unerring way. Develop rubric, e-portfolio, etc. in assessment. Use social media to get and share information and knowledge related to education and other useful things.
PO10: Self-Sufficiency and Life-long learning	Develop self-sufficiency, sincerity, independent thinking as education is a life-long process for empowering students to face all challenges in their future endeavors.

ENGLISH HONOURS

Core Course -14 papers
 Discipline Specific Elective - 4 papers (3Papers+1Project)

Marks per paper –

Midterm: 20 marks, End term: 80 marks, Total – 100 marks Credit per paper – 6
 Project (Hard Copy-80, Presentation-20)

Semester 1

CC-1

Course Code	CORE 1
Course Title	BRITISH POETRY AND DRAMA: 14TH TO 17TH CENTURIES
THEORY	Theory
L.C	6
COURSE OUTCOME	
CO1	To familiarize students with 14 th century poetry which evokes sense of “modern” and the spirit of renaissance in Elizabethan drama and the Reformation brings about sweeping changes in religion and politics.
CO 2	To Introduce Chaucer’s poetry to students
CO 3	To study development of an important literary form ‘Sonnet’ of representative poets
CO 4	Reading of a Shakespearean Tragedy <i>Macbeth</i>

Lecture-Tutorial-Practical-Credit

CC-2

Course Code	CORE 2
Course Title	BRITISH POETRY AND DRAMA: 17TH AND 18TH CENTURY
THEORY	Theory
L.C	6
COURSE OUTCOME	
CO1	Aquaint students with the Jacobean and the 18 th c poetry
CO 2	Study of Poetry of 17 th Century Britain
CO 3	Understanding Satiric Comedy of Ben Jonson in 17 th Century
CO 4	Reading of a heroic drama by Dryden

Lecture-Tutorial-Practical-Credit

Semester-2

CC-3

Course Code	CORE 3
Course Title	BRITISH PROSE: 18TH CENTURY
THEORY	Theory
L.C	6
COURSE OUTCOME	
CO1	To acquaint the students with a remarkable, newly evolved form of

	literature: the essay and about the shift of emphasis from reason to emotion, restoration, Glorious Revolution, Neo-classicism & Enlightenment.
CO 2	Introducing to Mary Wollstonecraft's most important essay
CO 3	Study of Joseph Addison's Essays
CO 4	Reading of Samuel Johnson's Essays

Lecture-Tutorial-Practical-Credit

CC-4

Course Code	CORE 4
Course Title	INDIAN WRITING IN ENGLISH
THEORY	Theory
L.C	6
COURSE OUTCOME	
CO1	To acquaint Indian Writing in English, East India's Company's arrival and Macaulay's 1835 Minutes of Education, India's First War of independence, establishment of Colleges and Evolution of IWE in 20 th C.
CO 2	Reading some Representative Indian English poems
CO 3	Study of R K Narayan's Novel <i>The Guide</i>
CO 4	Study of Mahesh Dattani's <i>Final Solutions</i>

Semester 3

CC-5

Course Code	CORE 5
Course Title	BRITISH ROMANTIC LITERATURE
THEORY	Theory
L.C	6
COURSE OUTCOME	
CO1	Acquainting thwith The Romantic Revival, French Revolution ,the Age of Revolution ,Relationship of Man and Nature, Romanticism vs Classicism.
CO 2	Study of Pre-romantic Poets and their poems
CO 3	Reading of Romantic Poetry and Imagination
CO 4	Study of Romantic Criticism

Lecture-Tutorial-Practical-Credit

CC-6

Course Code	CORE 6
Course Title	BRITISH LITERATURE 19 TH CENTURY
THEORY	Theory
L.C	6
COURSE OUTCOME	
CO1	Familiarizing with the Romantic Movement, Major Socio-political developments like industrialization, technological advancements and

	large-scale mobilization of people from the rural to urban centers.
CO 2	Study of Victorian Poetry and criticism
CO 3	Reading of Romantic Novel
CO 4	Reading of Dickens' Novel <i>Hard Times</i>

Lecture-Tutorial-Practical-Credit

CC-7

Course Code	CORE 7
Course Title	BRITISH LITERATURE: EARLY 20TH CENTURY
THEORY	Theory
L.C	6
COURSE OUTCOME	
CO1	Discussion of First World War and Resultant Change in the ways of knowing and perceiving Marx's concept of class struggle ,Freud's Theory of the unconscious
CO 2	Reading Modern Poetry and Criticism
CO 3	Study of a Modernist Novel
CO 4	Reading of J M Synge's Play <i>Ryders to the Sea</i>

Lecture-Tutorial-Practical-Credit

Semester -4

CC-8

Course Code	CORE 8
Course Title	AMERICAN LITERATURE
THEORY	Theory
L.C	6
COURSE OUTCOME	
CO1	Discussion of Genesis and evolution and the defining myths of American Literature-City on a hill,the frontier spirit ,the American Dream.manifest destiny, <i>e pluribus unum</i>
CO 2	Reading American Poetry
CO 3	Study of Arthur Miller's Play <i>The Death of a Salesman</i>
CO 4	Reading of the Earnest Hemingway's Novel <i>A Farewell to Arms</i>

Lecture-Tutorial-Practical-Credit

CC-9

Course Code	CORE 9
Course Title	EUROPEAN CLASSICAL LITERATURE
THEORY	Theory
L.C	6
COURSE OUTCOME	
CO1	Discussion of Classical Antiquity, Ancient Greece and Roman Empire,Geographical Space
CO 2	Reading Classical Epic Homer's <i>Odyssey</i> (Book I)
CO 3	Reading Classical tragedy Sophocles' <i>Oedipus the King</i>
CO 4	Study of Aristotle's <i>Poetics</i> (Ch.6,7,8)

Lecture-Tutorial-Practical-Credit

CC-10

Course Code	CORE 10
Course Title	WOMEN'S WRITING
THEORY	Theory
L.T.P.C	6
COURSE OUTCOME	
CO1	Discussion of Chapter 1 of <i>A Room of One's Own</i> by Virginia Woolf
CO 2	Reading novel CharlotteBonte's <i>Jane Eyre</i>
CO 3	Reading Indian English Women's Poetry
CO 4	Study of Ashapura Devi's Novel <i>The Distant Window</i>

Lecture-Tutorial-Practical

Semester -5

CC-11

Course Code	CORE 11
Course Title	MODERN EUROPEAN DRAMA
THEORY	Theory
L.C	6
COURSE OUTCOME	
CO1	Discussion of political ,Social Change and the stage ;text and performance; EuropeanDrama: Realism and Beyond; Tragedy and Heroism in Modern European Drama; the theatre of Absurd
CO 2	Reading Henrik Ibsen's <i>Ghosts</i>
CO 3	Study of Eugene Ionesco's Play <i>Chairs</i>
CO 4	Reading Bertolt Brecht <i>Life of Galileo</i>

Lecture-Tutorial-Practical

Core-12

Course Code	CORE 12
Course Title	INDIAN CLASSICAL LITERATURE
THEORY	Theory
L.C	6
COURSE OUTCOME	
CO1	Introduction to the history and genesis of Indian Classical Literature
CO 2	Reading Kalidasa's Play <i>Abhijnansakuntalam</i> ,Act-IV
CO 3	Study of Sudraka'Mrcchakatika,Act-I
CO 4	Study of Bharat's <i>NatyaSastra</i> .Chapter VI on Rasa Theory

Lecture-Tutorial-Practical

Discipline Specific Electives 1

Course Code	DSE 1
Course Title	LITERARY THEORY
THEORY	Theory

L.T.P.C	6
COURSE OUTCOME	
CO1	Discussion of New Criticism
CO 2	Study of Marxist Criticism
CO 3	Reading Feminist Criticism
CO 4	Study of Structuralism

Lecture-Tutorial-Practical

Discipline Specific Electives 2

Course Code	DSE 2
Course Title	WORLD LITERATURE
THEORY	Theory
L.T.P.C	6
COURSE OUTCOME	
CO1	Study of Albert Camus' <i>The Outsider</i>
CO 2	Reading V S Naipaul's : <i>A Bend in the River</i>
CO 3	Study of Canadian Short Fiction
CO 4	Reading of Latin American Poetry

Lecture-Tutorial-Practical

Semester -6

CC-13

Course Code	CORE 13
Course Title	POSTCOLONIAL LITERATURES
THEORY	Theory
L.C	6
COURSE OUTCOME	
CO1	Understanding the concept of Postcolonialism ,the post in postcolonial
CO 2	Reading Raja Rao's <i>Kanthapura</i>
CO 3	ReadingJen Rhys <i>Wide Sargasso Sea</i>
CO 4	Study of Athul Fugard's <i>Blood Knot</i>

Lecture-Tutorial-Practical

CC-14

Course Code	CORE 14
Course Title	POPULAR LITERATURE
THEORY \PRACTICAL	Theory and Practical
L.C	6
COURSE OUTCOME	
CO1	Introduction to the concept of Popular Literature,genre fiction and literary fiction,high brow v/s Low brow
CO 2	Reading Children's Literature <i>Alice in Wonderland</i>

CO 3	Reading Detective Fiction
CO 4	Understanding Campus fiction

Lecture-Tutorial-Practical

DSE 3

Course Code	DSE - 3
Course Title	PARTITION LITERATURE
THEORY	Theory
L.C	6
COURSE OUTCOME	
CO1	Understanding Partition literature From Introduction From Borders and Boundaries
CO 2	Reading Partition Poetry
CO 3	Reading Partition Novel <i>Ice Candy Man</i>
CO 4	Study of Partition Short Fiction

Lecture-Tutorial-Practical

DSE 4

Course Code	DSE 4
Course Title	DISSERTATION/ RESEARCH PROJECT
Project	Dissertation/Research Project
L.C	6
COURSE OUTCOME	

Core Paper I

BRITISH POETRY AND DRAMA: 14TH TO 17TH CENTURIES

Introduction:

The paper seeks to introduce the students to British poetry and drama from the 14th to the 17th century. It helps students sample and explore certain seminal texts from the early modern period, covering the genesis of modern English poetry and the Renaissance that set British poetry and drama on their glorious course to greatness.

Core Paper II

BRITISH POETRY AND DRAMA: 17TH AND 18TH CENTURY

Introduction:

The Introduction of this paper is to acquaint students with the Jacobean and the 18th century British poetry and drama, the first a period of the acid satire and the comedy of humours, and the second a period of supreme satiric poetry and the comedy of manners.

Core Paper III

BRITISH PROSE: 18TH CENTURY

Introduction:

The Introduction of the paper is to acquaint the students with a remarkable, newly evolved form of literature: the essay. The period is also known for its shift of emphasis from reason to emotion

Core Paper IV

INDIAN WRITING IN ENGLISH

Indian writing in English has been the fastest growing branch of Indian literature in the last one hundred years. It has produced a rich and vibrant body of writing spanning all genres. As a 'twice born' form of writing, it partakes of both the indigenous and the foreign perspectives and has an inherent tendency to be postcolonial. This paper seeks to introduce the students to the field through a selection of representative poems, novel and play.

Core Paper V

BRITISH ROMANTIC LITERATURE

Introduction:

The paper aims at acquainting the students with the Romantic period and some of its representative writers. The students will be able to sample some seminal works of the Romantic age which gave expression to the key ideas of the period such as return to nature, subjectivity, desire for personal freedom and the defiance of classicism-imposed restrictions on poetic form.

Core Paper VI

BRITISH LITERATURE 19TH CENTURY

Introduction:

This paper seeks to introduce the students to the exploits of the 19th century British Literature in prose, especially fiction and cultural criticism. It also includes samples of Victorian poetry.

Core Paper VII

BRITISH LITERATURE: EARLY 20TH CENTURY

Introduction:

The paper aims at acquainting the students with the literature of Britain in the early 20th century, focusing on the modernist canon in poetry, novel, and literary criticism.

Core Paper VIII AMERICAN LITERATURE

Introduction:

This is a survey paper providing an overview of canonical authors from American Literature in the established genres.

Core Paper IX

EUROPEAN CLASSICAL LITERATURE

Introduction:

This paper seeks to introduce the students to European Classical literature, commonly considered to have begun in the 8th century BC in ancient Greece and continued until the decline of the Roman Empire in the 5th century AD. The paper seeks to acquaint the students with the founding texts of the European canon.

Core Paper X WOMEN'S WRITING

Introduction:

The paper seeks to acquaint the students with the works of women writers from different cultures and nations in various genres. Further, it seeks to make them critically aware of the issues relating to the workings of patriarchy, issues of gender, and relations of desire and power.

Core Paper XI MODERN EUROPEAN DRAMA

Introduction:

The aim of this paper is to introduce the students to the best of experimental and innovative dramatic literature of modern Europe.

Core Paper XII

INDIAN CLASSICAL LITERATURE

Introduction:

This paper seeks to create awareness among the students of the rich and diverse literary and aesthetic culture of ancient India.

Core Paper XIII

POSTCOLONIAL LITERATURES

Introduction:

This paper seeks to introduce the students to postcolonial literature—a body of literature that responds to European colonialism and empire in Asia, Africa, Middle East, the Pacific and elsewhere. The paper aims to provide the students with the opportunity to think through the layered response—compliance, resistance, mimicry, subversion—that is involved in the production of post-independence literature

Core Paper XIV

Introduction:

POPULAR LITERATURE

This paper seeks to introduce the students to genres such as children's literature, detective fiction and campus fiction, which have a "mass" appeal, and can help us gain a better understanding of the popular and folk roots of literature.

Discipline Specific Elective Paper-I LITERARY THEORY

Introduction:

This paper seeks to expose the students to the basic premises and issues of major theoretical approaches to literary texts.

Discipline Specific Elective Paper- II WORLD LITERATURE

Introduction:

This paper proposes to introduce the students to the study of world literature through a representative selection of texts from around the world. The idea is to read beyond the classic European canon by including defining literary texts from other major regions/countries—except the United States of America—written in languages other than English, but made available to the readers in English translation.

Discipline Specific Elective Paper- III PARTITION LITERATURE

Introduction:

This paper seeks to expose the students to some significant writings on Indian partition, which brought untold miseries to those who lost lives and homes. The issues of loss, trauma, communalism etc. are explored by the texts.

DSE Paper – IV: Dissertation/ Research Project (College can give this choice only for students with above 60% aggregate marks)

DISSERTATION/ RESEARCH PROJECT

Introduction and Outcome

A project is an individual or collaborative activity that is carefully planned to achieve a particular aim.

An undergraduate project is individual research by students to i. understand in-depth a particular topic or fact in their field of study, and ii. Strengthen their understanding of research processes and methods.

Undergraduate research is inquiry-based learning that involves practical work, and not just listening to classroom teaching and personal reading. Students learn to apply what they study in their courses to appreciate different aspects of their field better by working independently on the projects. At the same time, they contribute something original to the courses they study. An undergraduate research project is expected to explore specific topics within the field of study of the students. The project should make an original contribution to the discipline in some manner. The results of quality undergraduate research can be presented in seminars and conferences, and published in research journals dedicated specifically to such work or in traditional academic journals with the student as a co-author.

There are many benefits of undergraduate research including, but not limited to, real world applications, research and professional experience, and better relationships between faculty and students. Relating coursework to out-of-class experiences, students train to work and think independently, take responsibility for their own learning, and take initiative to solve problems on their own rather than relying on experts for answers. They also learn to work in collaboration in interdisciplinary research. Most of all, projects help students learn a variety of skill sets to make them confident and competent in their future career.

The research process

Typically, all research answer three questions: what, why and how. The what states the research question to be investigated in a project.

The why explains the purpose of the research and also every step undertaken to conduct the research.

The how describes the stages of the research procedure.

To understand the process of research and to practically conduct any requires a good background in research methodology. Students may study research methodology before undertaking their projects.

Pattern of examination

MID-SEMESTER ASSESSMENT

Presentation of the project synopsis Synopsis to include:

i. Research statement/question and its rationale ii.

Review of literature stating the validity of the project iii. Discussion of the research steps iv.

Possible

conclusion/s

v. Contribution of the project to the existing body of research

vi. References

Semester final examination

A project of at least 3000 words to be submitted in the following structure:

- - Research question - a short statement
- - Rationale of the research
- - Introductions of the research

- - Review of literature relating the reviews to the research question and the research Introductions
- - Data collection and interpretation
- - Discussion of the findings; conclusions drawn
- - Contribution of the project to the existing body of research
- - Directions for future research
- - Works cited section

PSYCHOLOGY HONOURS

Semester 1

CC-1

Course Code	CORE 1
Course Title	INTRODUCTORY PSYCHOLOGY
THEORY \\PRACTICAL	Theory and Practical
L.T.P.C	3-1-1-6
COURSE OUTCOME	

CO1	Define the term psychology and demonstrate command of the basic Terminology, concepts, and principles of the discipline.
CO 2	Gain knowledge of scientific methodology–the variety of ways in which psychological data are gathered and evaluated / interpreted.
CO 3	Identify and compare the major perspectives in psychology: Recognize how each approach views human thought and behavior.
CO 4	Understand the physiological and biochemical links of human behavior.
Practical	Conduct laboratory experiment on Psychophysics

Lecture-Tutorial-Practical-Credit

CC-2

Course Code	CORE 2
Course Title	BASIC DEVELOPMENTAL PROCESSES
THEORY \PRACTICAL	Theory and Practical
L.T.P.C	3-1-1-6
COURSE OUTCOME	
CO1	Understand the nature, types, and principle of development.
CO 2	Understand the processes of formation of life and development during pre- and post-natal periods.
CO 3	Understand about the different aspects of preparation for future life.
CO 4	Understand the developmental preparations of the childhood and the implications of developmental milestones for the normal human development.
Practical	Measure the locus of control as well as emotional intelligence

Lecture-Tutorial-Practical-Credit

GE - A1

Course Code	GE A 1
Course Title	INTRODUCTORY PSYCHOLOGY
THEORY \PRACTICAL	Theory and Practical
L.T.P.C	3-1-1-6
COURSE OUTCOME	
CO1	Define the term psychology and demonstrate command of the basic terminology, concepts, and principles of the discipline.
CO 2	Gain knowledge of scientific methodology–the variety of ways in which psychological data are gathered and evaluated / interpreted.
CO 3	Identify and compare the major perspectives in psychology: Recognize how each approach views human thought and behavior.
CO 4	Understand the physiological and biochemical links of human behavior.
Practical	Conduct laboratory experiment on Psychophysics

Lecture-Tutorial-Practical-Credit

Semester 2

CC-3

Course Code	CORE 3
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Course Title	BASIC PSYCHOLOGICAL PROCESSES
THEORY \PRACTICAL	Theory and Practical
L.T.P.C	3-1-1-6
COURSE OUTCOME	
CO1	Understand the basic sensory actions and the processes of integration of sensory actions in creating and interpreting perceptual events.
CO 2	Gain knowledge of the important processes and principles of human learning as well as the structural functional attributes of human memory to help conserve the learning outcomes.
CO 3	Understand the structural and functional properties of language and the way it helps thought, communication, problem solving and decision making through development of concepts, ideas, images, and so on.
CO 4	Gather knowledge about the structural and functional dynamics of each of the mental processes and their interconnectedness.
Practical	Laboratory experiment on learning curve and serial position effects on memory

Lecture-Tutorial-Practical-Credit

CC-4

Course Code	CORE 4
Course Title	PROCESSES OF HUMAN EMPOWERMENT
THEORY \PRACTICAL	Theory and Practical
L.T.P.C	3-1-1-6
COURSE OUTCOME	
CO1	Know the structural components and functional dynamics of both intelligence and personality.
CO 2	Understand the significance of emotion and motivation in behavior management.
CO 3	Understand significant aspects of social behavior as resulting in happiness, well-being and personal growth.
CO 4	Understand and gain insight into human behavior as products of empowerment.
Practical	Experiment on intelligence and personality

GE-A2

Course Code	GE A 2
Course Title	BASIC DEVELOPMENTAL PROCESSES
THEORY \PRACTICAL	Theory and Practical
L.T.P.C	3-1-1-6
COURSE OUTCOME	
CO1	Understand the nature, types, and principle of development.
CO 2	Understand the processes of formation of life and development during

	pre- and post-natal periods.
CO 3	Understand about the different aspects of preparation for future life.
CO 4	Understand the developmental preparations of the childhood and the implications of developmental milestones for the normal human development.
Practical	Measure the locus of control as well as emotional intelligence

Lecture-Tutorial-Practical-Credit

Semester 3

CC-5

Course Code	CORE 5
Course Title	PSYCHOLOGICAL STATISTICS
THEORY \\PRACTICAL	Theory and Practical
L.T.P.C	3-1-1-6
COURSE OUTCOME	
CO1	The nature of psychological variables and how to measure them using appropriate scale.
CO 2	The processes of describing and reporting statistical data.
CO 3	The methods of drawing inferences and conclusions for hypothesis testing by using appropriate statistical analysis.
CO 4	Develop critical thinking for application of appropriate statistical analysis in Psychological research
Practical	Reporting descriptive statistical analysis and awareness of statistical software packages

Lecture-Tutorial-Practical-Credit

CC-6

Course Code	CORE 6
Course Title	SOCIAL PSYCHOLOGY
THEORY \\PRACTICAL	Theory and Practical
L.T.P.C	3-1-1-6
COURSE OUTCOME	
CO1	Know the scope of studying social psychology and the methods to gather data in the social context to explain them.
CO 2	Understand the significance of social cognition, attitudes, stereotypes and prejudices in explaining human behavior in the social contexts.
CO 3	Understand the significant aspects group behavior and social influence that constitute the core of human relationships.
CO 4	Gain insight into the dynamics of intergroup relationships, conflict, prejudice and cooperation.
Practical	Assess ethical values and attitude towards women

Lecture-Tutorial-Practical-Credit

CC-7

Course Code	CORE 7
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Course Title	ENVIRONMENTAL PSYCHOLOGY
THEORY \PRACTICAL	Theory and Practical
L.T.P.C	3-1-1-6
COURSE OUTCOME	
CO1	Understand the interactional relationships between environment and behavior
CO 2	Understand the problems occurring to ecology and environment at the present time
CO 3	Understand different psychological approaches to the study of man-environment relationship.
CO 4	Know the impact of ecological degradation and the need for enhanced awareness programs.
Practical	Assess environmental literacy, environmental attitude, behaviour and concern

Lecture-Tutorial-Practical-Credit

GE – B 1

Course Code	GE B 1
Course Title	INTRODUCTORY PSYCHOLOGY
THEORY \PRACTICAL	Theory and Practical
L.T.P.C	3-1-1-6
COURSE OUTCOME	
CO1	Define the term psychology and demonstrate command of the basic terminology, concepts, and principles of the discipline.
CO 2	Gain knowledge of scientific methodology–the variety of ways in which psychological data are gathered and evaluated / interpreted.
CO 3	Identify and compare the major perspectives in psychology: Recognize how each approach views human thought and behavior.
CO 4	Understand the physiological and biochemical links of human behavior.
Practical	Conduct laboratory experiment on Psychophysics

Lecture-Tutorial-Practical-Credit

Semester 4

CC- 8

Course Code	CORE 8
Course Title	PSYCHOPATHOLOGY
THEORY \PRACTICAL	Theory and Practical
L.T.P.C	3-1-1-6
COURSE OUTCOME	
CO1	Understand the differences between normality and abnormality along with the perspectives explaining them.
CO 2	Know the importance and the use of assessment techniques in identifying

	different forms of maladaptive behaviour.
CO 3	Learn the symptoms, causes and treatment of anxiety disorders, mood disorders and schizophrenia.
CO 4	Understand the basic concepts underlying psychopathology.
Practical	Assessment of anxiety and depression

Lecture-Tutorial-Practical-Credit

CC- 9

Course Code	CORE 9
Course Title	EDUCATIONAL PSYCHOLOGY
THEORY \PRACTICAL	Theory and Practical
L.T.P.C	3-1-1-6
COURSE OUTCOME	
CO1	Describe the developmental issues faced by school age children and the challenges presented by children with ability differences.
CO 2	Describe classroom management techniques.
CO 3	Explain the role of motivation on learning and classroom behavior.
CO 4	Identify commonly used standardized tests, their strengths and limitations, and use in school settings.
Practical	Assessment of academic behaviour and academic stress

Lecture-Tutorial-Practical-Credit

CC- 10

Course Code	CORE 10
Course Title	PSYCHOLOGICAL ASSESSMENT
THEORY \PRACTICAL	Theory and Practical
L.T.P.C	3-1-1-6
COURSE OUTCOME	
CO1	Understand the basic facts about psychological assessment.
CO 2	Understand the processes of test construction and standardization.
CO 3	Understand about the assessment of different types of skills and abilities.
CO 4	Understand the skills necessary for selecting and applying different tests for different purposes such as evaluation, training, rehabilitation etc
Practical	Assessment of empathy and sense of humour

Lecture-Tutorial-Practical-Credit

GE-B 2

Course Code	GE B 2
Course Title	BASIC DEVELOPMENTAL PROCESSES
THEORY \PRACTICAL	Theory and Practical
L.T.P.C	3-1-1-6

COURSE OUTCOME	
CO1	Understand the nature, types, and principle of development.
CO 2	Understand the processes of formation of life and development during pre- and post-natal periods.
CO 3	Understand about the different aspects of preparation for future life.
CO 4	Understand the developmental preparations of the childhood and the implications of developmental milestones for the normal human development.
Practical	Measure the locus of control as well as emotional intelligence

Lecture-Tutorial-Practical-Credit

Semester 5

CC- 11

Course Code	CORE 11
Course Title	ORGANIZATIONAL BEHAVIOR
THEORY \PRACTICAL	Theory and Practical
L.T.P.C	3-1-1-6
COURSE OUTCOME	
CO1	Understand different concepts and dynamics related to organizational system, behavior, and management.
CO 2	Identify steps managers can take to motivate employees in the perspectives of the theories of work motivation.
CO 3	Understand the tricks of power and politics management in the organizations.
CO 4	Understand significance of human resource development, evaluation and management for the interest and benefit of the organization.
Practical	Assessment of leadership style and conflict handling style

Lecture-Tutorial-Practical-Credit

CC- 12

Course Code	CORE 12
Course Title	Health Psychology
THEORY \PRACTICAL	Theory and Practical
L.T.P.C	3-1-1-6
COURSE OUTCOME	
CO1	Know the basics of health and illness from the Bio-psychosocial perspectives.
CO 2	Understand the significance of behavioral and psychological correlates of health and illness.
CO 3	Understand the significant aspects of coping and importance of health enhancing behavior.
CO 4	Understand the health issues of children, adolescents, women and elderly
Practical	Assessment of sleep quality and coping strategies

Lecture-Tutorial-Practical-Credit

DSE- 1

Course Code	DSE 1
Course Title	PSYCHOLOGICAL RESEARCH AND MEASUREMENT
THEORY \PRACTICAL	Theory and Practical
L.T.P.C	3-1-1-6
COURSE OUTCOME	
CO1	Understand the nature of psychological research and characteristics of scientific methods of research.
CO 2	Know the methods of test construction and standardization know the different approaches to assessment of personality.
CO 3	Understand the psychological research in term of sampling techniques, scientific method, and experimental designs.
CO 4	Gain knowledge with respect to psychometric, projective techniques and non-testing approaches like interview
Practical	Administration of TAT and WAT

Lecture-Tutorial-Practical-Credit

DSE- 2

Course Code	DSE 2
Course Title	PSYCHOLOGY AND SOCIAL ISSUES
THEORY \PRACTICAL	Theory and Practical
L.T.P.C	3-1-1-6
COURSE OUTCOME	
CO1	Understand the nature and characteristics of different social systems and social integration in India.
CO 2	Understand the aspects of health and wellbeing of Indian people.
CO 3	Understand about the political behavior of Indian people
CO 4	Understand about the major social issues and their remediation.
Practical	Assessment of quality of life and community integration

Lecture-Tutorial-Practical-Credit

ADD-ON/ CERTIFICATE COURSE

Course Code	MOOCs
Course Title	BEAUTY THERAPY (24 WEEKS)
THEORY \PRACTICAL	
L.T.P.C	
COURSE OUTCOME	
CO 1	Student shall have gain knowledge in new or advanced courses from SWAYAM platform.
CO 2	Students choose BEAUTY THERAPY course which is not included in UG curriculum

CO 3	Understand about basic skin treatment, unwanted hair removal methods, manicures, pedicures, skin and hair services.
CO 4	Understand the art of makeup, skills of beauty therapy.

Semester 6

CC- 13

Course Code	CORE 13
Course Title	COUNSELING PSYCHOLOGY
THEORY \PRACTICAL	Theory and Practical
L.T.P.C	3-1-1-6
COURSE OUTCOME	
CO1	Understand the purpose of counseling and practice of counseling ethically following different approaches.
CO 2	Understand the basics of counseling process and use them for counseling students, families, couples, distressed, and handicaps
CO 3	Understand different counselling techniques and their applications.
CO 4	Integrate and convey information in the core areas of counseling skills and practice.
Practical	Assessment of marital relationship and reporting a case study

Lecture-Tutorial-Practical-Credit

CC- 14

Course Code	CORE 14
Course Title	POSITIVE PSYCHOLOGY
THEORY \PRACTICAL	Theory and Practical
L.T.P.C	3-1-1-6
COURSE OUTCOME	
CO1	Understand the goal of positive psychology and the basic behavior patterns that result in positive human growth from the point of view of leading positive psychologists.
CO 2	Understand the concepts of flow and happiness and the related theories and models explaining happiness behavior and its consequences.
CO 3	All the precursors to positive psychology from character strength and altruism to resilience.
CO 4	Understand and apply a strengths-based approach to mental health issues.
Practical	Measurement of happiness and spiritual intelligence

Lecture-Tutorial-Practical-Credit

DSE- 3

Course Code	DSE 3
Course Title	PSYCHOLOGY OF DISABILITY
THEORY \PRACTICAL	Theory and Practical

L.T.P.C	3-1-1-6
COURSE OUTCOME	
CO1	Know about different types of disability and their prevalence in India.
CO 2	Understand various socio-cultural models of disability
CO 3	Gain knowledge about disability policies in India
CO 4	Understand about intervention and rehabilitation of disables in India
Practical	Assessment of attitude towards disabled persons and knowledge about disability policy

Lecture-Tutorial-Practical-Credit

DSE- 4

Course Code	DSE 4
Course Title	DISSERTATION / RESEARCH PROJECT
THEORY \PRACTICAL	Theory and Practical
L.T.P.C	3-1-1-6
COURSE OUTCOME	
CO1	Independently prepare a research design to carry out a research project
CO 2	Review the related research papers to find out a research problem and relevant hypotheses
CO 3	Understand the administration, scoring and interpretation of the appropriate instrument for measurement of desired behavior
CO 4	Learn the use of statistical techniques for interpretation of data. Learn the APA style of reporting a research project.
Practical	Student is required to carry out a project on an issue of interest to him / her under the guidance and supervision of a teacher.

Lecture-Tutorial-Practical-Credit

Program Outcomes (Psychology)

<p>The Bachelor's degree in Psychology equips the students with knowledge in general psychology, life span development, various basic psychological processes, basic empowerment processes, statistical methods for psychological research, biopsychology, psychology of individual differences, development of psychological thought, psychological research, social psychology, applied social psychology, understanding and dealing with psychological disorders, health psychology, counselling psychology, positive psychology, educational psychology, psychological assessment, applying psychology to different social issues, application of psychology in disability, psychological research and measurement, organizational behaviour and counselling psychology.</p>	
PO1 : Critical Analysis	Critically analyse the relationship between psychology and philosophy, psychology and sociology, psychology and anthropology, psychology and education, teaching and learning, assessment and evaluation, curriculum and syllabus: mental health and well-being, guidance and counseling, management and leadership. Critically evaluate different western and eastern philosophies in relation to psychology and examine the contributions of different philosophers, psychologists, etc. Critically

	analyze different theories and principles established by psychologists for the development, control, prevention and treatment of mental disorders.
PO2 : Development of Thinking Skills	With the development of thinking skills, students of Psychology can grow in sensitivity, sympathy and empathy towards others, learn to work in a team and develop leadership qualities, accept and respect dual differences and work with responsibility and commitment and also develop an understanding about inclusive education and its benefits through the Social Outreach Program.
PO3 : Development of Understanding	Students are encouraged to conduct short empirical and archival researches so that they develop an understanding about application of statistics and research methodologies. They are trained to present papers in seminars and also to get the knowledge of research for future study. Students gather exhaustive knowledge and clear understanding in different areas pertaining to psychology like self love and social networking, different modes of psychotherapy through different seminars and activities hosted by the department, which helps students of Psychology to get an understanding about the practical applications, implications and generalizations about the different aspects of the subject from books to real life situations. They also gather Knowledge about advancement in research that is taking place worldwide. They also learn to work within limited time frames, fulfilling multiple commitments (academic, co-curricular and extracurricular) with adequate precision, clarity and a high quality in their work outputs.
PO4 : Effective Communication	Students of psychology can demonstrate their communication skills through paper presentation, project report sharing, and communicate their thoughts and understanding among peers and with other students and teachers in a free atmosphere.
PO5 : Application	Apply different theories of learning, assessment skills, motivational techniques, measurement of various psychological processes in their day-to-day activities as well as in their researches. They also apply the Statistical techniques in gathering and interpreting of psychological data in a meaningful ways.
PO6 : Values and Ethics	Demonstrate human values, values of democracy, human rights, human, ethical, social, cultural and constitutional obligation. Honoring diversity and ensuring inclusion by treating all with respect and dignity, showing respect for and sensitivity to gender, cultural and religious differences, and challenging prejudices, biases and intolerance in the workplace etc.
PO7: Widening of the Horizon of Knowledge	Describe the concept of different theories, principles of psychology, theories of learning and motivation, measurement of intelligence, personality, attitude, developmental stages, psychological attributes, mental health, and the use of tools and techniques of assessment of psychological disorders, diverse social problems and issues.
PO8 : Solving Current Problems	Solve myriad problems that plague the field of psychology in an efficient manner such as violence, family violence, crime, alcoholism, substance abuse, antisocial personality, bullying, deviant, neurosis, anxiety disorder, phobia, mood disorder, etc.
PO9 : Use of ICT	Demonstrate various uses of ICT in expanding knowledge and

	understanding to facilitate their own learning at their own pace. Use various ICT tools in an unerring way. Develop rubric, e-portfolio, etc. in assessment. Use social media to get and share information and knowledge related to education and other useful things.
PO10: Self-Sufficiency and Life-long learning	Develop self-sufficiency, sincerity, independent thinking, as learning is a life-long process for empowering students to face all challenges in their future endeavors.

BOTANY HONOURS

Semester 1

CC-1

Course Code	CORE 1
Course Title	MICROBIOLOGY AND PHYCOLOGY
THEORY PRACTICAL	Theory and Practical
L.T.P.C	4-0-2-6
COURSE OUTCOME	
CO1	List the characteristics and economic importance of bacteria, virus and algae.
CO 2	Give examples of virus, bacteria and algae.
CO 3	Classify different types of virus, bacteria and algae.
CO 4	Describe the reproduction of virus and bacteria.
CO 5	Illustrate the life cycles of different algae.
Practical	Identify and differentiate between different types of virus, bacteria and algae.

Lecture-Tutorial-Practical-Credit

CC-2

Course Code	CORE 2
Course Title	BIOMOLECULES AND CELL BIOLOGY
THEORY PRACTICAL	Theory and Practical
L.T.P.C	4-0-2-6
COURSE OUTCOME	
CO1	Describe the structure, properties, mechanism and inhibition of enzyme.
CO 2	Classify different types of enzymes, carbohydrates, lipids, proteins and nucleic acids.
CO 3	Explain the different structure and functions of cell organelles.
CO 4	Differentiate between mitosis and meiosis.
CO 5	Draw the diagram of structure of plant cell and cell organelles.
Practical	Identify different stages of mitosis and meiosis.
Practical	Demonstrate the test for carbohydrates, reducing sugars, non reducing sugars, lipids and proteins.

Lecture-Tutorial-Practical-Credit

GE – 1A

Course Code	GE 1 A
Course Title	BIODIVERSITY (MICROBES, ALGAE, FUNGI AND ARCHEGONIATES)
THEORY PRACTICAL	Theory and Practical
L.T.P.C	4-0-2-6

COURSE OUTCOME	
CO1	List the characteristics and economic importance of bacteria, virus, algae, fungi, bryophytes, pteridophytes and gymnosperms.
CO 2	Give examples of virus, bacteria, algae, fungi, bryophytes, pteridophytes and gymnosperms.
CO 3	Classify different types of virus, bacteria, algae, fungi, bryophytes, pteridophytes and gymnosperms.
CO 4	Describe the reproduction of virus and bacteria.
CO 5	Explain the life cycles of different algae, fungi, bryophytes, pteridophytes and gymnosperms.
Practical	Identify and differentiate between different types of virus, bacteria, algae, fungi, bryophytes, pteridophytes and gymnosperms.

Lecture-Tutorial-Practical-Credit

Semester 2

CC-3

Course Code	CORE 3
Course Title	MYCOLOGY AND PHYTOPATHOLOGY
THEORY PRACTICAL	Theory and Practical
L.T.P.C	4-0-2-6
COURSE OUTCOME	
CO1	List the characteristics and economic importance of fungi, lichen and mycorrhizae.
CO 2	Classify different types of fungi.
CO 3	Describe the life cycles of fungi.
CO 4	Differentiate between ectomycorrhizae and endomycorrhizae.
CO 5	Give examples of fungi and lichen.
Practical	Identify and differentiate between different types of fungi.
Practical	Identify and list the symptoms of various bacterial, viral and fungal diseases in plants.

Lecture-Tutorial-Practical-Credit

CC-4

Course Code	CORE 4
Course Title	ARCHEGONIATAE
THEORY PRACTICAL	Theory and Practical
L.T.P.C	4-0-2-6
COURSE OUTCOME	
CO1	List the characteristics and economic importance of bryophytes, pteridophytes and gymnosperms.
CO 2	Give examples of bryophytes, pteridophytes and gymnosperms.
CO 3	Classify different types of bryophytes, pteridophytes and gymnosperms.
CO 4	Explain the life cycles of different bryophytes, pteridophytes and gymnosperms.
CO 5	Describe the morphology and affinities of fossil pteridophytes and gymnosperms.
Practical	Identify and differentiate between different types of bryophytes, pteridophytes and gymnosperms.

GE-2A

Course Code	GE 2A
Course Title	PLANT PHYSIOLOGY AND METABOLISM
THEORY PRACTICAL	Theory and Practical
L.T.P.C	4-0-2-6
COURSE OUTCOME	
CO1	Describe the phenomenon of transpiration, guttation, photoperiodism, vernalization and

	nitrogen metabolism.
CO 2	List the criteria for essentiality of elements.
CO 3	Explain the mechanism of translocation in phloem.
CO 4	Differentiate between macronutrients and micronutrients.
CO 5	Explain the different pathways involved in photosynthesis and respiration.
CO 6	Describe the discovery and physiological roles of plant growth regulators.
CO 7	Describe the structure, properties, mechanism and inhibition of enzyme.
Practical	Justify the effect of light intensity and bicarbonate concentration on oxygen evolution in photosynthesis.
Practical	Calculate the osmotic potential of plant cell sap by plasmolytic method.
Practical	Justify the effect of two environmental factors (light and wind) on transpiration.

Lecture-Tutorial-Practical-Credit

Semester 3

CC-5

Course Code	CORE 5
Course Title	ANATOMY OF ANGIOSPERMS
THEORY PRACTICAL	Theory and Practical
L.T.P.C	4-0-2-6
COURSE OUTCOME	
CO1	Classify different types of tissues and tissue system.
CO 2	Describe different theories of organization of shoot and root apex.
CO 3	Differentiate between anatomy of dicot and monocot stem, root and leaf.
CO 4	List the anatomical adaptations of xerophytes and hydrophytes.
CO 5	Explain Kranz anatomy and secondary growth in plants.
Practical	Identify and list the characteristics of different types of tissue, anomalous secondary characters of plants, Kranz anatomy, anatomy of monocot and dicot root, stem and leaf.
Practical	Identify and justify the anatomical adaptations of xerophytes and hydrophytes.

Lecture-Tutorial-Practical-Credit

CC-6

Course Code	CORE 6
Course Title	ECONOMIC BOTANY
THEORY PRACTICAL	Theory and Practical
L.T.P.C	4-0-2-6
COURSE OUTCOME	
CO1	Explain the concept of centre of origin with reference to Vavilov's work.
CO 2	Give examples of cereals, legumes, sugar and starch yielding plants, spices yielding plants, drug yielding plants, essential oil yielding plants and timber plants.
CO 3	Describe the morphology, processing, uses and health hazards of tobacco.
CO 4	Explain the tapping, processing and uses of rubber.
Practical	Identify and list the characters of cereals, legumes, sugar and starch yielding plants, spices yielding plants, drug yielding plants, essential oil yielding plants and timber plants.

Lecture-Tutorial-Practical-Credit

CC-7

Course Code	CORE 7
Course Title	GENETICS
THEORY PRACTICAL	Theory and Practical
L.T.P.C	4-0-2-6

COURSE OUTCOME	
CO1	State the different laws and principles of inheritance.
CO 2	Differentiate between incomplete dominance and codominance.
CO 3	Describe the phenomenon of linkage and crossing over.
CO 4	Solve the numerical based on gene interaction, gene mapping and pedigree analysis.
CO 5	Explain gene mutation, DNA repair mechanisms, classical and molecular concepts of gene.
CO 6	State Hardy-Weinberg law.
Practical	Construct chromosome maps using test cross data.
Practical	Identify and list the characteristics of different types of chromosome anomaly.

Lecture-Tutorial-Practical-Credit

Semester 4

CC-8

Course Code	CORE 8
Course Title	MOLECULAR BIOLOGY
THEORY PRACTICAL	Theory and Practical
L.T.P.C	4-0-2-6
COURSE OUTCOME	
CO1	Describe the different experiments establishing nucleic acid as genetic material.
CO 2	Explain the mechanism of DNA replication, transcription, translation and post translational modifications of proteins.
CO 3	Illustrate the process of RNA Splicing and RNA Editing.
CO 4	List the salient features of Genetic code.
Practical	Identify the photographs of experiments establishing nucleic acid as genetic material.

Lecture-Tutorial-Practical-Credit

CC-9

Course Code	CORE 9
Course Title	PLANT ECOLOGY AND PHYTOGEOGRAPHY
THEORY PRACTICAL	Theory and Practical
L.T.P.C	4-0-2-6
COURSE OUTCOME	
CO1	Define ecology, autoecology, synecology and system ecology.
CO 2	Describe soil formation, composition and its components.
CO 3	Illustrate the different types of biogeochemical cycles.
CO 4	Explain the structure and function of ecosystem.
CO 5	List the characteristics of population.
CO 6	Explain ecological succession, ecotone and edge effect, ecological pyramids, food chain and food web.
CO 7	State the principles and theories of phytogeography.
Practical	Calculate density, frequency, abundance of herbaceous vegetation.
Practical	Determine the pH and dissolved oxygen content of different water samples.
Practical	Identify and justify the morphological adaptations of xerophytes, halophytes and hydrophytes.

Lecture-Tutorial-Practical-Credit

CC-10

Course Code	CORE 10
Course Title	PLANT SYSTEMATICS
THEORY PRACTICAL	Theory and Practical

L.T.P.C	4-0-2-6
COURSE OUTCOME	
CO 1	State the principles and rules of ICN.
CO 2	List the important herbaria and botanical gardens of the world and India.
CO 3	Enumerate different systems of classification.
CO 4	List the distinguishing features of different families of angiosperms.
CO 5	Explain the origin and evolution of angiosperms.
Practical	Differentiate between vegetative and floral characters of plants belonging to different families.
Practical	Prepare the herbarium of wild plants.

Lecture-Tutorial-Practical-Credit

Semester 5

CC-11

Course Code	CORE 11
Course Title	REPRODUCTIVE BIOLOGY OF ANGIOSPERMS
THEORY PRACTICAL	Theory and Practical
L.T.P.C	4-0-2-6
COURSE OUTCOME	
CO 1	Outline the process of micro-gametogenesis and mega-gametogenesis.
CO 2	Explain the types and ultrastructure of different mature embryo sacs and ovules.
CO 3	Describe the phenomenon of self incompatibility and embryogeny.
CO 4	List the different types of pollination.
CO 5	Differentiate between different types of endosperm.
Practical	Identify different types of ovule.
Practical	Identify different parts of anther wall, ovule and embryo.

Lecture-Tutorial-Practical-Credit

CC-12

Course Code	CORE 12
Course Title	PLANT PHYSIOLOGY
THEORY PRACTICAL	Theory and Practical
L.T.P.C	4-0-2-6
COURSE OUTCOME	
CO 1	Describe the phenomenon of water potential, transpiration, guttation, photoperiodism, and vernalization.
CO 2	List the criteria for essentiality of elements.
CO 3	Explain the mechanism of translocation in phloem and ascent of sap.
CO 4	Differentiate between macronutrients and micronutrients, active and passive transport.
CO 5	Describe the discovery, chemical nature and role of phytochrome.
Practical	Calculate the osmotic potential of plant cell sap by plasmolytic method.
Practical	Justify the effect of two environmental factors (light and wind) on transpiration.
Practical	Calculate the water potential of given tissue by weight method.

Lecture-Tutorial-Practical-Credit

Discipline Specific Elective-1 [DSE-1]

Course Code	DSE- 1
Course Title	ANALYTICAL TECHNIQUES IN PLANT SCIENCES
THEORY PRACTICAL	Theory and Practical
L.T.P.C	4-0-2-6

COURSE OUTCOME	
CO 1	Describe the principle and application of Spectrophotometry, Chromatography and Electrophoresis.
CO 2	Explain the principles of "Microscopy".
CO 3	Solve the numericals related to "Biostatistics".
CO 4	Compare and contrast the different types of chromatography and electrophoresis.
CO 5	List the use of radioisotopes in biological research.
Practical	Demonstrate the process of paper chromatography and thin layer chromatography.
Practical	Calculate the protein and total sugar content by Lowry's method and Anthrone method respectively.

Lecture-Tutorial-Practical-Credit

DSE-2

Course Code	DSE- 2
Course Title	NATURAL RESOURCE MANAGEMENT
THEORY \PRACTICAL	Theory and Practical
L.T.P.C	4-0-2-6
COURSE OUTCOME	
CO 1	Explain the different types of natural resources.
CO 2	List the different major and minor forest products.
CO 3	Differentiate between renewable and non-renewable sources of energy.
CO 4	Enumerate different contemporary practices in resource management.
CO 5	Describe the significance and threats of biodiversity.
Practical	Classify solid waste generated by a domestic system.
Practical	Calculate the dominance of woody species by DBH (diameter at breast height) method.
Practical	Prepare ecological model.

Lecture-Tutorial-Practical-Credit

Certificate Course

Course Code	MOOCS
Course Title	Environment Natural Resources and Sustainable Development.
THEORY \PRACTICAL	
L.T.P.C	Not included in the curriculum
COURSE OUTCOME	
CO 1	Acquire knowledge in new and advanced courses from SWAYAM platform.

Semester 6

CC-13

Course Code	CORE 13
Course Title	PLANT METABOLISM
THEORY/PRACTICAL	Theory and Practical
L.T.P.C	4-0-2-6
COURSE OUTCOME	
CO 1	Explain the different pathways involved in photosynthesis and respiration.
CO 2	Give examples of C3, C4 and CAM plants.
CO 3	Differentiate between PS-I and PS-II, cyclic and non cyclic photo-phosphorylation, anabolic and catabolic pathways.
CO 4	Describe the mechanism of lipid and nitrogen metabolism.
CO 5	List the factors affecting carbon dioxide reduction and respiration.
Practical	Justify the effect of light intensity and carbon dioxide on the rate of photosynthesis.

Lecture-Tutorial-Practical-Credit

CC-14

Course Code	CORE 14
Course Title	PLANT BIOTECHNOLOGY
THEORY \\PRACTICAL	Theory and Practical
L.T.P.C	4-0-2-6
COURSE OUTCOME	
CO 1	List the applications of biotechnology and tissue culture technique.
CO 2	Construct the linear and circular restriction maps.
CO 3	Describe the different types of cloning vectors.
CO 4	Explain the different methods of gene transfer.
CO 5	Give examples of genetically modified crops and genetically engineered products.
CO 6	Illustrate the process of recombinant DNA technology and artificial seed production.
Practical	Demonstrate the process of in vitro sterilization and inoculation methods and gel electrophoresis.
Practical	Outline the steps of anther culture and Bt cotton production.

Lecture-Tutorial-Practical-Credit

DSE-3

Course Code	DSE-3
Course Title	HORTICULTURAL PRACTICES AND POST HARVEST TECHNOLOGY
THEORY \\PRACTICAL	Theory and Practical
L.T.P.C	4-0-2-6
COURSE OUTCOME	
CO 1	Classify and identify the different types of ornamental plants.
CO 2	Define hydroponics, biofertilizers and biopesticides.
CO 3	Give examples of fruit and vegetable crops.
CO 4	Explain the importance of post harvest technology in horticultural crops.
CO 5	Describe the different landscaping and garden design.
Practical	Identify and describe the salient features of ornamental plants.
Practical	Explain different types of asexual propagation methods.

Lecture-Tutorial-Practical-Credit

DSE-4

Course Code	DSE-4
Course Title	DISSERTATION/PROJECT WORK
THEORY \\PRACTICAL	
L.T.P.C	6 Credits
COURSE OUTCOME	
CO 1	Outline the basic steps of research methodology.
CO 2	Identify and state the problem of specific research area.
CO 3	Analyse the outcomes of the findings of their research work.
CO 4	Application of statistical tools in research area.

Lecture-Tutorial-Practical-Credit

Program Outcomes (BOTANY)

PO1 :Curiosity and Critical analysis	Curiosity to explore diverse areas of Plant Sciences. Critical analysis of the practical application of their theoretical knowledge in their day to day life. Critically justify various laws and principles, theory, applications of science,
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	unscientific beliefs etc.
PO2 : Development of HOTS [Higher Order Thinking Skills]	Develop critical thinking, problem solving skill and creating innovative ideas by group discussion, solving higher order thinking questions, undertaking project work etc.
PO3 : Development of Scientific temper	Inculcate scientific thinking and spirit of research in young minds by doing project work, experiments, attending seminars, workshop, science exhibition etc.
PO4 : Effective Communication Skill	Enhance their communication skills through seminar presentation, project presentation, and communicate their thought among peers and teachers by group discussion.
PO5 : Application	Apply different theories and principles of science in real life situations. Application of statistical tools and methods in gathering and interpreting the scientific data in a meaningful manner. Apply the principles of science in analyzing the problem.
PO6 : Values and Ethics	Develop core values of science such as objectivity, honesty, openness, accountability, fairness and stewardship. Justifying ethical issues in science. Besides, adhering to ethical norms in research.
PO7: Comprehensive Knowledge	Broadening their scientific knowledge by reading scientific journals, magazines, articles, science encyclopedia etc. Interconnecting various disciplines of science for better understanding. Interdisciplinary and multidisciplinary approach in education for their all round development of knowledge.
PO8 : Problem Solving Skill	Able to solve scientific issues arising in current scenario such as environment pollution, natural resource management, climate change, deforestation, food scarcity etc. Active participation as responsible citizen for environment protection and sustainable use of natural resources.
PO9 : Use of ICT	Apply ICT tools such as computer, cell phones, software, TV, laptop, printer, projector, scanner, tablet, internet etc for expanding their knowledge, sharing information and facilitating learning process effectively. Besides, enrolling themselves in online courses such as MOOCS, online quiz, accessing National Digital Library, preparing educational videos and PPTs.
PO10: Self-Sustaining	Develop self-sufficiency by acquiring scientific theoretical and practical knowledge, enrolling in skill enhancement courses, value added courses and other educational and professional courses in order to empower themselves to face all challenges in their future endeavors.

Program Specific Outcomes

PSO 1:	Acquires knowledge about diversity of plants, their identification and classification.
PSO 2:	Understand the core concepts of Plant Sciences, the nature of science and its application to solve problems in day to day life.
PSO 3:	Develop practical skills like dissection of plants from lower to higher forms, identification of plants, herbarium preparation and field study of flora.
PSO 4:	Knowledge on Medicinal plants, Horticulture, Mushroom cultivation, Analytical techniques in plant sciences, Natural resource management facilitating more employment opportunities.
PSO 5:	Updation of the students with recent developments in plant sciences and to introduce the interdisciplinary approach.
PSO 6:	Enhance the ability of writing project, using statistical tools and interpreting the findings of

	their research areas.
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Sociology

Semester 1

cc 1

Course code	Core 1
Course title	Introduction to sociology 1
Theory	Theory
LTPC	
Course outcome	
Co1	Discipline and perspective, meaning, nature and scope of sociology
Co2	Relationship between sociology and other social sciences
Co3	Ideas about the Basic concepts of society, community, association and institutions
Co4	Acquainted with the social processes and institutions

Cc2

Course code	Core 2
Course title	Introduction to sociology 2
Theory	
LTPC	
Course outcome	
Co1	Basic knowledge about individual and society
Co 2	Describe different stages, agencies and theories of socialization
Co3	Describe importance and types of social control
Co4	Analyses different social processes

GE A1

Course code	GE A1
Course title	Introduction to sociology
theory	Theory
LTPC	
Course outcome	
Co1	State and analyses meaning, nature and scope of sociology
Co2	Describe basic concept of society, community and institution
Co3	Describe the social processes and social stratification
Co4	Explain the concept of socialization processes and social control

Semester 2

Cc3

Course code	Core 3
Course title	Indian society

theory	Theory
LTPC	
Course outcome	
Co1	Describe the basic composition of indian society and approaches
Co2	Describe historical moorings and bases of hindu social organisations
Co3	Explain marriages and family in indian society
Co4	Explain the caste system in india

Cc4

Course code	Core 4
Course title	Sociology of environment
theory	Theory
LTPC	
Course outcome	
Co1	Explain conceptual issues of sociology of environment
Co2	Describe various environmental movements
Co3	Accumulate the ideological currents and issues of environment
Co4	Explain the global and national efforts to conserve environment

GE A2

Course code	Ge2
Course title	Indian society
theory	Theory
LTPC	
Course outcome	
Co1	Explain the composition of indian society and approaches
Co2	Describe historical moorings and bases of hindu social organization
Co3	Explain marriages and family in indian society
Co4	Describe the caste system in india

Semester 3

CC5

Course code	Core 5
Course title	Classical sociological thinkers
theory	theory
LTPC	
Course outcome	
Co1	Explain the classical contribution in sociology and there contemporary relevance
Co2	Describe about the methodological shift in the discipline over the years
Co3	Analyses the principles of emiledurkheim

Co4	Explain max webers contribution in sociology
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Cc6

Course code	Core 6
Course title	Social change and development
theory	theory
LTPC	
Course outcome	
Co 1	Describe meaning,nature, forms and patterns of change
Co2	Describe theories of social change
Co3	Analyses the models of devt
Co4	Explain the processes of social exchange in indian context

Cc7

Course code	Core 7
Course title	Sociology of gender
theory	theory
LTPC	
Course outcome	
Co1	Conceptualise meaning of gender and sex
Co2	Differentiate in gender roles,responsibilities, rights and relations
Co3	Explain the theories of feminism
Co4	Explain the status of women in india through ages

GE B1

Course code	Ge b1
Course title	Introduction to sociology
theory	Theory
LTPC	
Course outcome	
Co1	Explain meaning, nature and scope of sociology
Co2	Explain basic concepts of society, community and institutions
Co3	Explain meaning,forms and theories of stratification
Co4	Analyses the concepts of socialization

Semester 4

Cc8

Course code	Core 8
Course title	Rural sociology
theory	Theory
LTPC	
Course outcome	

Co1	Some brief knowledge about introduction of rural sociology
Co2	Learn about rural social structure
Co3	Describes rural social problem
Co4	Analyses different rural devtprogrammes like cdp,sgsy,nrlm,nrhm

Cc9

Course code	Core 9
Course title	Globalization and society
theory	Theory
LTPC	
Course outcome	
Co 1	Some information about what is globalization,its emergence
Co2	Describes different dimensions of globalization
Co3	Explain different consequences of globalization
Co4	Analyses different impact of globalization in indian context

Cc10

Course code	Core 10
Course title	Marriage,family,kinship
theory	Theory
LTPC	
Course outcome	
Co1	Understand marriage as a social institution,itsrules,functions and types
Co2	Understand family as a social institution,its function and types
Co3	Analyses kinship,clan and lineage
Co4	Explain different types of contemporary issues

GE B2

Course code	Geb2
Course title	Indian society
theory	theory
LTPC	
Course outcome	
Co1	Composition of indian society and approaches to the study of indian society
Co2	Learn about historical moorings and bases of hindu social organisation
Co3	Basic knowledge about marriage and family in india
Co4	Explain the caste system in india

Semester 5

CC 11

Course code	Core 11
Course title	Research methodology
theory	theory
LTPC	
Course outcome	
Co1	Understanding the nature of scientific method and significance of social research
Co2	Analyses hypothesis and sampling method of social research
Co3	Describes different types of tools and techniques of data collection
Co4	Explain data analysis and report writing

CC12

Course code	Core 12
Course title	Social movements in india
theory	theory
LTPC	
Course outcome	
Co1	Explain the concept of social movement
Co2	Describes different types of peasant movements in india
Co3	Evaluate the roles of social movement in social transformation
Co4	Analyses the various approaches to the study of womens movement in india

Discipline specific electives 1

Course code	Dse 1
Course title	Sociology of health
theory	Theory
LTPC	
Course outcome	
Co1	Understanding sociology of health
Co2	Explain sociological perspectives of health
Co3	Describes different types health programmes in india
Co4	Understanding on health sector reforms of govt of india

Discipline specific elective 2

Course code	Dse 2
Course title	Sociology of education
theory	theory
LTPC	
Course outcome	
Co1	Meaning and theoretical perspectives on sociology of education
Co2	Explain perspectives on sociology of education

Co3	Describes different types of social processes on education
Co4	Elaborate educational programmes,policies and issues in india

Semester 6

CC 13

Course code	Core 13
Course title	Population and society
theory	theory
LTPC	
Course outcome	
Co1	Understand the various facets of population studies
Co2	Explain the theories of population and society
Co3	Assess the role of various agencies in population control
Co4	Develop specific idea on indian population structure

CC14

Course code	Core 14
Course title	Social disorganization and deviance
theory	theory
LTPC	
Course outcome	
Co1	Understand the meaning,causes,consequences and Forms of social disorganisation
Co2	Explain the theories of deviant behaviour
Co3	Comprehend the concept of crime and the existing theories of punishment
Co4	Explain different types of social problems

DSE 3

Course code	Dse 3
Course title	Urban sociology
theory	theory
LTPC	
Course outcome	
Co1	Understand the specific traits of urban areas
Co2	Explain theories of patterns of city growth
Co3	Describe different types of urban social problems
Co4	Explain urban development programmes in india

DSE4

Course code	Dse 4
Course title	Research project

practical	practical
LTPC	
Course outcome	

HOME SCIENCE HONOURS

Semester 1

CC-1

Course Code	CORE 1
Course Title	HUMAN DEVELOPMENT 1: THE CHILDHOOD YEARS
THEORY \PRACTICAL	Theory and Practical
L.T.P.C	4-0-2-6
COURSE OUTCOME :	
CO1	The student will be able to develop an understanding about the discipline of Human Development. Students will be made aware about scope of human development as a subject.
CO 2	The student will acquire a detailed understanding of developmental milestones and domains from conception to late childhood.
CO 3	Students will be made aware about the development happening in key areas like physical, motor, cognitive, language, social and emotional development.
CO 4	The student will gain insight on context specific cultural practices of development in children and explore the role of family and community in the life of children.
PRACTICAL	1. Prepare poster showing different emotions (pleasant and unpleasant). 2. Plan and develop activities to facilitate cognitive development through preparation of materials such as Posters, toys etc. 3. Study the role of familial (parents) and non-familial (peers/teachers/neighbors) people in a child's life

Lecture-Tutorial-Practical-Credit

CC-2

Course Code	CORE 2
Course Title	FOOD AND NUTRITION
THEORY \PRACTICAL	Theory and Practical
L.T.P.C	4-0-2-6
COURSE OUTCOME :	
CO1	Understand the relationship between food, nutrition and health and describe the digestion, absorption and function of various nutrients and list their sources.
CO 2	Understand the nutritional contribution and effect of cooking on different food groups
CO 3	To understand the concept of Recommended Dietary Allowances and the ways of reducing nutrient losses during different methods of cooking and methods

	of enhancement of nutritional quality of foods.
CO4	To gain knowledge on nutritional contribution of various foods and principles involved in its cooking.
CO 5	To promote understanding of common nutritional disorders due to the deficiency of nutrients
PRACTICAL	1. Weights and measures of Raw and Cooked foods. 2. Understanding the principles of cooking involved and nutritional quality of foods.

GE - A1

Course Code	GE A 1
Course Title	HUMAN NUTRITION
THEORY \PRACTICAL	Theory
L.T.P.C	6-0-0-6
COURSE OUTCOME :	
CO1	Gaining the knowledge about different nutrients, their classification, function, sources, requirement and deficiency diseases.
CO 2	Understand the principles of food and nutrition.
CO 3	To promote basic knowledge pertaining to various Food Groups.

Lecture-Tutorial-Practical-Credit

Semester 2

CC-3

Course Code	CORE 3
Course Title	EXTENSION EDUCATION
THEORY \PRACTICAL	Theory and Practical
L.T.P.C	4-0-2-6
COURSE OUTCOME :	
CO1	To understand the ways, means and objectives of Home Science extension.
CO 2	To make the students understand the needs and principles of Extension Education.
CO 3	The students will learn about concept and scope of extension in national development.
CO 4	Enhance the Knowledge of the students about teaching learning process in Extension education.
Practical	1. Prepare posters: women empowerment, violence against women, child & maternal health issues, environmental pollution. 2. Prepare a project report on any one of the above issues.

Lecture-Tutorial-Practical-Credit

CC-4

Course Code	CORE 4
Course Title	FAMILY RESOURCE MANAGEMENT
THEORY \PRACTICAL	Theory and Practical
L.T.P.C	4-0-2-6

COURSE OUTCOME :	
CO1	Comprehend the concept, scope and process of Resource management.
CO 2	Understand classification, characteristics, management of resources and factors affecting utilization of resources.
CO 3	Gain an understanding of resource availability during different stages of family life cycle.
CO 4	Learn the tools and techniques of money, time and energy management.
Practical	1. SWOC analysis 2. Building decision making abilities through management games. 3. Preparation of time plans for one day for self and family or Event planning for family occasion.

GE-A2

Course Code	GE A 2
Course Title	Human Development & Family Studies
THEORY \PRACTICAL	Theory
L.T.P.C	6-0-0-6
COURSE OUTCOME:	
CO1	To know the importance of child study and about pre-natal Development.
CO 2	Understand the importance of Breast feeding and artificial feeding.
CO 3	Understand the causes and consequences of infant and maternal mortality in India.

Lecture-Tutorial-Practical-Credit

Semester 3

CC-5

Course Code	CORE 5
Course Title	TEXTILES
THEORY \PRACTICAL	Theory and Practical
L.T.P.C	4-0-2-6
COURSE OUTCOME :	
CO1	Describe textile fibres in terms of their production and properties
CO 2	Understand production techniques and properties of yarns
CO 3	Explain various methods of fabric construction and relate them to specific uses keeping in mind fabric properties
CO 4	Gaining knowledge about various dyeing, printing and finishing techniques
Practical	Fiber, Yarn and Weave Identification and their design interpretation on graph. Thread count and balance, Dimensional stability.

Lecture-Tutorial-Practical-Credit

CC-6

Course Code	CORE 6
Course Title	DYNAMICS OF COMMUNICATION
THEORY \PRACTICAL	Theory and Practical
L.T.P.C	4-0-2-6
COURSE OUTCOME :	

CO1	Develop understanding of scope and concepts of human communication.
CO 2	Comprehend the elements and process of effective communication.
CO 3	Grasp understanding about various communication methods and medium.
CO 4	Understanding models and process of communication
Practical	1. Developing skills of communication by forming small groups among the students. 2. Review of selected issues published in newspapers. 3. Writing short stories, related to health and nutrition for conveying messages to the society.

Lecture-Tutorial-Practical-Credit

CC-7

Course Code	CORE 7
Course Title	PERSONAL FINANCE AND CONSUMER STUDIES
THEORY \PRACTICAL	Theory and Practical
L.T.P.C	4-0-2-6
COURSE OUTCOME :	
CO1	Gain knowledge of income, saving and investment management in the changing socioeconomic environment.
CO 2	Understand the role of consumer in the economy, consumer problems, education and empowerment.
CO 3	Comprehend issues related to consumer protection, legislative measures and redressal mechanisms.
CO 4	Have a practical understanding of various existing redressal mechanisms.
Practical	1. Evaluation of advertisements in the print media. 2. Evaluation of labels on different types of food products. 3. Learning to fill up different forms of banks and post office.

Lecture-Tutorial-Practical-Credit

GE - B1

Course Code	GE B 1
Course Title	HUMAN NUTRITION
THEORY \PRACTICAL	Theory
L.T.P.C	6-0-0-6
COURSE OUTCOME:	
CO1	Gaining the knowledge about different nutrients, their classification, function, sources, requirement and deficiency diseases.
CO 3	Understand the principles of food and nutrition.
CO 4	To promote basic knowledge pertaining to various Food Groups.

Lecture-Tutorial-Practical-Credit

Semester -4

CC-8

Course Code	CORE 8
Course Title	HUMAN DEVELOPMENT II: DEVELOPMENT IN ADOLESCENCE AND ADULTHOOD
THEORY \PRACTICAL	Theory and Practical
L.T.P.C	4-0-2-6

COURSE OUTCOME:	
CO1	To study different domains of development in adolescence- physical, cognitive, language and socio-emotional
CO 2	To understand different domains of development in adulthood- physical, cognitive, language and socio-emotional
CO 3	To understand the different developmental tasks during adolescence and adulthood.
Practical	1. To study creativity during adolescence 2. Use of the questionnaire method to study the responsibility of an adult in roles as : Father/ husband Mother/wife/single parent/ Employed woman

Lecture-Tutorial-Practical-Credit

CC-9

Course Code	CORE 9
Course Title	NUTRITION: A LIFE CYCLE APPROACH
THEORY \PRACTICAL	Theory and Practical
L.T.P.C	4-0-2-6
COURSE OUTCOME:	
CO1	Comprehend the principles of planning nutritionally adequate diets.
CO 2	Acquire knowledge about the nutritional needs and concerns of an individual throughout the life cycle.
CO 3	Exercise food choices consonant with good health based on sound knowledge of principles of nutrition.
CO 4	Understand nutrition considerations during special conditions for children and adults.
Practical	1. Prepare a table of rich sources of different nutrients and food exchange list 3. Planning and preparation of diets for – Preschooler , Pregnant, Lactating woman and Elderly

Lecture-Tutorial-Practical-Credit

CC-10

Course Code	CORE 10
Course Title	FASHION DESIGN
THEORY \PRACTICAL	Theory and Practical
L.T.P.C	4-0-2-6
COURSE OUTCOME:	
CO1	Develop basic knowledge of fashion design and describe its terminology. Learn to use elements and principles of design in fashion designing.
CO 2	Select suitable apparel in relation to fabric and design components for individuals.
CO 3	Evaluate readymade garments on various parameters for their selection.
CO 4	Apply design elements and principles with respect to apparel design.
Practical	1. Flat sketching of Sleeves, necklines, collars, pockets. 2. Collections of dress designs of famous designers.

Lecture-Tutorial-Practical-Credit

GE-B2

Course Code	GE B2
Course Title	Human Development & Family Studies
THEORY \PRACTICAL	Theory and Practical
L.T.P.C	6-0-0-6
COURSE OUTCOME:	
CO1	To know the importance of child study and about pre-natal Development.
CO 2	Understand the importance of Breast feeding and artificial feeding.
CO 3	Understand the causes and consequences of infant and maternal mortality in India.
CO 4	To know the importance of child study and about pre-natal Development.

Lecture-Tutorial-Practical-Credit

Semester -5

CC-11

Course Code	CORE 11
Course Title	THERAPEUTIC NUTRITION
THEORY \PRACTICAL	Theory and Practical
L.T.P.C	4-0-2-6
COURSE OUTCOME:	
CO1	A basic Understanding of the principles of Nutrition Care. An ability to modify the normal diet for therapeutic purposes.
CO 2	An understanding of the etiology, patho-physiology, metabolic changes, clinical symptoms and management of some common disorders / diseases.
CO 3	Understand the concept of therapeutic diets and diet counseling.
CO 4	The skill to plan, prepare and serve therapeutically modified diets for some diseases/ disorders.
Practical	Planning of Therapeutic Diets for the following: Obesity, Type 2 Diabetes, Hypertension and CHD

Lecture-Tutorial-Practical

Core-12

Course Code	CORE 12
Course Title	PHYSIOLOGY AND PROMOTIVE HEALTH
THEORY \ PRACTICAL	Theory and Practical
L.T.P.C	4-0-2-6
COURSE OUTCOME:	
CO1	To get a general orientation of different systems of human body their physiology.
CO 2	Develop insight of normal functioning of all the organ systems of the body and their interactions.
CO 3	Correlate physiology with various disorders and their pathogenesis.
CO 4	Understand and interpret common medical diagnostic tests and reports.
Practical	1. Case study of Iron deficiency Anemia, Investigation and diagnosis, Blood indices, Measurement of blood pressure by using sphygmomanometer. 2. Demonstration of procedures of clinical examination to see for pallor, jaundice, edema and dehydration and Basic First Aid procedures CPR, Burns.

Lecture-Tutorial-Practical

Discipline Specific Electives 1

Course Code	DSE 1
Course Title	INDIAN TEXTILES HERITAGE
THEORY \PRACTICAL	Theory and Practical
L.T.P.C	4-0-2-6
COURSE OUTCOME:	
CO1	Recognise and Identify embroidered fabrics of different states in terms of stitches and designs.
CO 2	Explain construction and design of selected traditional woven fabrics.
CO 3	Describe our heritage of varied dyed, painted and printed fabrics.
CO 4	Classify conservation techniques and recognise signs of deterioration of textiles. Carry out care and conservation of traditional textiles.
CO5	Provide an insight into the evolution and socio-economic significance of khadi, handloom and handicraft sectors.
Practical	1. Traditional Embroideries, Tie and dye, Batik Block, Printing, Stenciling and Visit to craft.

Lecture-Tutorial-Practical

Discipline Specific Electives 2

Course Code	DSE 2
Course Title	COMMUNICATION SYSTEMS AND MASS MEDIA
THEORY \PRACTICAL	Theory and Practical
L.T.P.C	4-0-2-6
COURSE OUTCOME:	
CO1	Understanding of various communication systems.
CO 2	Appreciate nuances of various communication transactions for effective communication.
CO 3	Gain insight into the range and scope of traditional media, mass media, ICTs and New Media systems.
Practical	1. Know yourself exercises. (Johari's window) 2. Studying group dynamics in organizations- formal and informal 3. Audience analysis- Leadership, listenership and viewership studies, Content analysis of mass media.

Lecture-Tutorial-Practical

Semester -6

CC-13

Course Code	CORE 13
Course Title	Research Methodology
THEORY \PRACTICAL	Theory and Practical
L.T.P.C	4-0-2-6
COURSE OUTCOME:	
CO1	To learn the concept of research with practical aspects on research methodology with basic knowledge and act as a guide to beginners for research.
CO 2	Understand the meaning and process of research in social sciences.
CO 3	Identify appropriate sampling methods, measurement scales and tools of data collection and appropriate uses of each.
CO 4	Demonstrate knowledge of the key steps of a research process in both experimental and observational research

Practical	1. Prepare a schedule/questionnaire on a topic and Make a pilot study of it. 3. Solve a given problem by using mean
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Lecture-Tutorial-Practical

CC-14

Course Code	CORE 14
Course Title	SOCIO ECONOMIC ENVIRONMENT
THEORY \PRACTICAL	Theory and Practical
L.T.P.C	4-0-2-6
COURSE OUTCOME :	
CO1	Understand various dimensions of the family changing roles and responsibilities.
CO 2	Gain knowledge about various dimensions of society and culture. Understanding the relationship between society, economy and environment.
CO 3	Gain an understanding of National Income in India, working of the banking structure, monetary and fiscal policy and the balance of payment situation in India.
CO 4	Comprehend the major economic problems of India and their implications in society. Understand various development policy measures adopted in the country.
Practical	Project Work on given topics

Lecture-Tutorial-Practical

DSE 3

Course Code	DSE – 13
Course Title	MARRIAGE & FAMILY RELATIONSHIP
THEORY \PRACTICAL	Theory and Practical
L.T.P.C	4-0-2-6
COURSE OUTCOME :	
CO1	Gain knowledge about the concept of marriages, types and changing nature prevailing in the society.
CO 2	Understanding regarding the requisite elements in selecting life partner and to acquire knowledge about the different pattern of marriage rituals & ceremonies existing in Indian society.
CO 3	Understand about the family in the context of changing social scenario of the country.
CO 4	To understand the problems of Family & Marital life prevalent in the society.
Practical	A Project work on a topic related to marriage and family

Lecture-Tutorial-Practical

DSE 4

Course Code	DSE 4
Course Title	RESEARCH PROJECT
PRACTICAL	Practical
L.T.P.C	
COURSE OUTCOME:	
CO1	To consolidate and collaborate their own learning and skills such as problem solving, critical thinking, time management and correlate the theory concepts

	with practical.
CO2	To apply what they learned in books to real life experiences and providing an all-round enriching education.

Programme Mission:

Home science has a vital role to play in increasing the capacity of the family and the community. It is an interdisciplinary field that is related to both the fields of Arts and Science. B.A Home Science has been innovatively designed to enable students to acquire knowledge in the field of Foods and Nutrition, Family Resource Management and Interior Design, Human development, Textiles and Clothing and Home Science Extension and Communication. The curriculum has an integrated approach of combining theory, practical and field work.

Programme Outcomes:

	B.A. in Home Science(Honours)
PO1 : Critical Thinking	Take an informed and analytical approach to learning demonstrate in-depth knowledge of the subject and give opinion(s) supported by logical reasoning that one have judged to be appropriate and understanding different approaches and using them.
PO2 :Learning and Conceptual Understanding:	Have knowledge and holistic understanding of the core courses related to Home Science including Human Development, Foods and Nutrition, Clothing and Textiles, Home Management, Extension Education and Communication and basic courses associated with Social Sciences, Biological sciences, Physical sciences, Technology and Management.
PO3 : Social Interaction	Foster social skills and peer interaction enabling them to make all people feel valued and respect their difference by being responsible citizens for creating a socially inclusive society.
PO4 : Effective Communication	Demonstrate proficiency in communicating competently in groups and organization, competence in interpersonal communication; possess skill to effectively deliver formal and informal presentations to a variety of audiences in multiple contexts. Use soft skills for clear, accurate, unambiguous effective communication using verbal and non-verbal skills at inter/ intra personal and professional level.
PO5 : Environment and Sustainability	Critically evaluate the impact of household and industrial practices on environment. Appreciate use of sustainable practices for improved physical, emotional, social, psychological environment at micro/macro level.
PO6 : Ethics and Integrity	Apply ethical practices while data collection, conducting experiments, involving human beings as well as plants and animals, delivering professional capabilities. Recognize values such as justice, trust, equity, fairness, kindness and develop a commitment to meeting and upholding standards of ethical behavior in all walks of life and comprehending the moral dimensions of decisions and action.
PO7: Social Interaction	Foster social skills and peer interaction enabling them to make all people feel valued and respect their difference by being responsible citizens for socially inclusive society.
PO8 : Leadership	Apply leadership skills, inspiring , taking responsibility, delegating

Skills	tasks while working in a team, communicating with other teams, providing guidance to lesser skilled in various settings be it family, industry or institutions or carrying out research projects.
PO9 : Planning Skills	Apply skills in designing, implementing, monitoring and valuating programmes effectively for individuals, family, community and for vulnerable groups of society.
PO11: Problem Solving	Solve problems concerning home, family and society for ensured physical and mental health in the changing socio economic scenario viz. dietary problems, behavioral problems, clothing problems, social problems by applying scientific methods, through critical thinking, assessing, analyzing, finding appropriate solutions and taking decisions.
PO12: Life-long learning	Acquire the skill to be an independent lifelong learner embracing real time changes in the socio-technological context, promoting continuous development and improvement of the knowledge and skills needed for employment and personal fulfillment.

Programme Specific Outcomes:

	B.A. in Home Science (Honours)
PSO 1:	The curriculum is well conceived for the students and gives them professional edges to develop marketable skills as well as pursue higher education.
PSO 2:	Describe and analyze the discipline of Home Science as a holistic field of study covering multiple facets and requirements of human beings in day to day living, for example, achievement of appropriate milestones in personal development; awareness, need and use of family resources; access to adequate nutrition for wholesome development; clothing fundamentals and advances; and effective strategies for community extension and communication.
PSO 3:	Produced knowledgeable and skilled human resources which is employable in many fields like food industry, hospitals, NGOs, academics, textile industry etc.
PSO 4:	Acquire scientific skills in the management of resources and develop basic skills for career choice in the field of dietetics, interior designing, textiles and fashion designing, pre-school education and many more.
PSO 5:	Develop sensitivity, resourcefulness, and competence to render service to enhance development of individuals, families, communities, and the nation at large.
PSO 6:	Acquire professional and entrepreneurial skills for economic empowerment of self in particular and of community in general, apply practical skills with respect to all aspects of Home Science.
PSO 7:	Acquire basic management skills for organizing events, resource mobilization, leading community-based projects etc. Competence in public speaking, writing and inter personal skills.
PSO 8:	Manifest a wide range of knowledge regarding sources of data (information) collection and transfer enabling exchange of ideas and notions; access to resources including e-resources and libraries; trends in knowledge gaining and transfer (teaching- learning processes); techniques of skill acquisition and understanding

	existing basic issues related to the disciplines in Home Science and methods to resolve and ratify them.
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B.Sc. PHYSICS

Program Outcomes (POs)

PO1 :	Helps to gain both experimental as well as theoretical knowledge in different areas of basic sciences and social sciences which will help students to contribute the socio-economic growth of the nation.
PO2 :	Able to learn necessary computational skill and use of ICT for an effective learning experience and further progress to higher studies which can help them to pursue career in academia or in industry.
PO3 :	Students can be responsible citizens having good moral and ethical values
PO4 :	Enhance the students thinking abilities, academic abilities, personal qualities to excel in the competencies and make them confident enough for leadership quality
PO5 :	Can have proper required laboratory skills for the recent development in many scientific applications
PO6:	Can make them think critically and independently to face any difficulties and to solve many challenging tasks
PO7 :	Having project as a part of this program students can pursue research career for the welfare of mankind and society
PO8 :	Trained to take up jobs in different fields like civil services, BARC, DRDO, ISRO, NTPC, Radiologists, Teacher , IT sector etc. , also can make them confident to clear many competitive examinations
PO9:	Update their knowledge with recent developed science and technology devices and review the devices on the technical aspects in the real life which may help them to even become entrepreneur

Program Specific Outcomes (PSOs)

PSO 1:	Learn and apply the basic laws and principles of physics, and basic interaction laws that govern our universe
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PSO 2:	Can learn different experimental techniques, design and implementation, can learn the numerical and mathematical methods to solve complex problems , can learn the use of different computational techniques and apply them for experimental data analysis and solving theoretical problems
PSO 3:	Learning different practical methods can help them to develop their instrument handling capabilities, can have working experiences with many electrical components, optical instruments and other instruments too
PSO 4:	Learn basic computational skill using open source software packages such as C/C+, Gnuplot, Python, Scilab, Matlab, LaTeX , etc. in both Linux and Windows platform which required for basic sciences as well as industrial applications. It will help them for higher studies or research in any branch of Physics. It will also help them to get employment in IT sector and other industry related job.
PSO 5:	Develop effective communication skill in the form of preparation of laboratory copy, project work, seminar presentation, poster presentation, wall magazines, models etc.
PSO 6:	Can get academic exposure through the various Internships offered by National Institutes and universities
PSO 7:	Understand the basic differences in classical and quantum mechanical approach, their realm and applicability, gain knowledge in various energy resources and management
PSO 8:	Understand and apply statistical methods in solving real physical problems, and its application and connection with thermo dynamical laws
PSO 9:	Understand the nature of a nucleus, nuclear reaction mechanism, nuclear models and its usefulness in power generation and for medical sciences
PSO 10:	Students will demonstrate knowledge of classical mechanics, electromagnetism and modern physics and be able to apply this knowledge to analyze a variety of physical phenomena.

Course Outcomes (COs)

Semester 1

Core Course (CC)-I

* represents Lecture-Tutorial-Practical-Credit

Course Code	CC-I
Course Title	MATHEMATICAL PHYSICS -I
THEORY \PRACTICAL	Theory and Practical
*L.T.P.C	4-0-2-6
COURSE OUTCOME	

Course Code	CC-I
Course Title	MATHEMATICAL PHYSICS -I
THEORY \PRACTICAL	Theory and Practical
*L.T.P.C	4-0-2-6
COURSE OUTCOME	
CO1	Understand and learn calculus, plotting functions, and differential equation
CO 2	Learn differential and integral calculus for many variables, Lagrange multiplier, basics of vector calculus
CO 3	Derive Curvilinear coordinates and differential operators in different co-ordinate systems, understand divergence, gradient, curl and its applications
CO 4	Learn vector differentiation, Understand divergence theorem, Green's theorem, Stokes' theorem and its applications
Practical	Learn computer programming (C & C++), different numerical methods and solve different problems in Physics

CC-II

Course Code	CC-II
Course Title	MECHANICS
THEORY \PRACTICAL	Theory and Practical
*L.T.P.C	4-0-2-6
COURSE OUTCOME	
CO1	Understand the motion of objects in different frames of references, the dynamics of rotating objects i.e rigid body, non-inertial frames: pseudo forces,
CO 2	Learn the basics of material properties like, elasticity, elastic constants and their relation, Study bending of beams, surface tension, understand the kinematics of moving fluids
CO 3	Understand the concept of gravitation and central force motion
CO 4	Study of simple harmonic motions and forced oscillations, understanding of special theory of relativity and its applications
PRACTICAL	Determine different mechanical parameters by using suitable lab method

GE-1

Course Code	GE -1
Course Title	GE -1

THEORY \ PRACTICAL	Theory and Practical
*L.T.P.C	4-0-2-6
COURSE OUTCOME	
CO1	Learn about the concept of Rotational dynamics, study of elasticity, surface tension and fluid mechanics
CO 2	The basics of wave equation, SHM and vibration
CO 3	Understand entropy and application of laws of thermodynamics, Black body radiation
CO 4	Explore about electrostatics, understand the magnetic phenomena and the basics of diode and transistors
PRACTICAL	Gain practical knowledge on measurement of g, moment of inertia, modulus of rigidity, specific heat and resistance etc.

Semester 2

CC-III

Course Code	CC-III
Course Title	ELECTRICITY AND MAGNETISM
THEORY \ PRACTICAL	Theory and Practical
*L.T.P.C	4-0-2-6
COURSE OUTCOME	
CO1	Learn about basic concepts of electrical charges and fields due to static charges and their properties, electric potential calculation in different simple cases
CO 2	Detail study of magnetic field and its properties, Ballistic Galvanometer, Damping
CO 3	Understand the dielectric properties of matter, Faraday's law of electromagnetic induction and its applications
CO 4	Analyze electrical circuits and understand Network simplification theorems
Practical	Learn to use multimeter and determine resistance, capacitance using suitable methods, study LCR circuit, verify Network theorems

CC-IV

Course Code	CC-IV
Course Title	WAVE AND OPTICS
THEORY \ PRACTICAL	Theory and Practical
*L.T.P.C	4-0-2-6

COURSE OUTCOME	
CO1	Basic understanding of geometrical and wave optics
CO 2	Study of wave motion and superposition of harmonic oscillations
CO 3	Understand different phenomena like interference, reflection, measurement of wavelength and refractive index, study of interferometers
CO 4	Learn about diffraction
Practical	Determine frequency, wavelength of light, refractive index, dispersive power etc. using prism and grating etc. to realize several optical phenomena

GE-2

Course Code	GE-2
Course Title	GE-2
THEORY \PRACTICAL	Theory and Practical
*L.T.P.C	4-0-2-6
COURSE OUTCOME	
CO1	Learn about aberrations, the optical phenomena like interference and diffraction in detail
CO 2	Understand the emergence of quantum mechanics, theory of radiation, dual nature of radiation, atomic spectra
CO 3	Understand the origins of quantum mechanics, detail study on wave function, Schrodinger's wave equation, energy eigenvalues and eigenfunctions
CO 4	Study properties of nucleus, nuclear force and its characteristics, nuclear fission and fusion, theory of relativity
Practical	Determine wavelength of light, refractive index using prism and grating etc, Know the static characteristics of transistor

Semester 3

CC-V

Course Code	CC-V
Course Title	MATHEMATICAL PHYSICS -II
THEORY \PRACTICAL	Theory and Practical
*L.T.P.C	4-0-2-6
COURSE OUTCOME	
CO1	Understand expansion of periodic and non-periodic function in Fourier series.

Course Code	CC-V
Course Title	MATHEMATICAL PHYSICS -II
THEORY \PRACTICAL	Theory and Practical
*L.T.P.C	4-0-2-6
COURSE OUTCOME	
CO 2	Learn singularities, Frobenius method and its applications to differential equations i.e. Hermite, Legendre
CO 3	Derive recurrence relations of Legendre and Hermite Polynomials, study Associated Legendre Polynomials, learn Beta, Gamma functions and apply to solve some special integrals
CO 4	Learn to solve partial differential equation which is very important in all branches of physics.
Practical	Learn Scilab programming and its use to solve physical problems, able to solve Ordinary Differential Equations (ODE)using Scilab

CC-VI

Course Code	CC-VI
Course Title	THERMAL PHYSICS
THEORY \PRACTICAL	Theory and Practical
*L.T.P.C	4-0-2-6
COURSE OUTCOME	
CO1	Understand the basic principle, laws of thermodynamics and its applications, concept of Entropy,
CO 2	Study various thermodynamic potentials and their applications in various systems, phase transitions with examples, derivations and applications of Maxwell's relations
CO 3	Detail study of distribution of velocities, molecular collisions and transport phenomenon in ideal gases
CO 4	Understand the behavior of real gases
Practical	Determine specific heat, mechanical equivalent of heat, temperature coefficient and thermal conductivity using lab methods

CC-VII

Course Code	CC-VII
Course Title	ANALOG SYSTEMS AND APPLICATION
THEORY \PRACTICAL	Theory and Practical

*L.T.P.C	4-0-2-6
COURSE OUTCOME	
CO1	Have basic knowledge of semiconductor diodes, rectifiers and filter circuits.
CO 2	Understand bipolar junction transistors and characteristics, transistors biasing, working principle and classification of amplifiers
CO 3	Understand RC Coupled amplifier, feedback in amplifiers, sinusoidal oscillations
CO 4	Detail study of operational amplifiers and its applications
Practical	Have practical knowledge on characteristics of transistors , design circuits for RC coupled amplifier and study the frequency response, design and study operational amplifier such as adder, subtractor, inverting and non-inverting amplifier

Semester -4

CC-VIII

Course Code	CC-VIII
Course Title	MATHEMATICAL PHYSICS -III
THEORY \PRACTICAL	Theory and Practical
*L.T.P.C	4-0-2-6
COURSE OUTCOME	
CO1	Understand complex number, analyticity and Cauchy-Riemann conditions, singular functions, Cauchy Integral formula, Laurent and Taylor series expansion, Residue Theorem, application in solving simple definite integrals
CO 2	Study Fourier transforms with examples, Fourier integral theorem, inverse Fourier transform
CO 3	Convolution theorem, properties of Fourier transform, application of Fourier transforms to differential equations
CO 4	Study Laplace Transforms (LT) of elementary functions and properties of Laplace transforms
Practical	Scilab based solution of simple differential equations, Fourier series, plotting of polynomials , integral transform, definite integrals

CC-IX

Course Code	CC-IX
Course Title	ELEMENTS OF MODERN PHYSICS
THEORY \PRACTICAL	Theory and Practical

*L.T.P.C	4-0-2-6
COURSE OUTCOME	
CO1	Learn the basic principles in the development of modern physics, brief review of black body radiation, photoelectric effect, compton Effect, dual nature of radiation, wave nature of particles, , atomic spectra, understand different atomic models.
CO 2	Detail study of wave packet, wave particle duality and uncertainty principle
CO 3	Learn nuclear structure , nature of the nuclear force, liquid drop model and shell model
CO 4	Understand radioactivity, different decay processes, energy-momentum conservation, nuclear fission and fusion, Nuclear reactor
Practical	Perform the basic experiments of modern physics such as determination of Plank's constants, single and double slit diffraction, determination of e/m, study tunneling effect in tunnel diode

CC-X

Course Code	CC-X
Course Title	DIGITAL SYSTEMS AND APPLICATIONS
THEORY \PRACTICAL	Theory and Practical
*L.T.P.C	4-0-2-6
COURSE OUTCOME	
CO1	Qualitative study of Integrated Circuits(IC),conversion between various number systems, realisation of logic gates using diodes and transistor and digital circuits
CO 2	Study laws and theorems of Boolean algebra, conversion between truth table and logical expression, introduction to Cathode Ray Oscilloscope (CRO) and its applications
CO 3	Learn different circuits like data processing circuits arithmetic circuits, study timers IC 555
CO 4	Brief idea about computer organization, know shift registers and counters (4 bits)
Practical	Learn the use of millimeter, CRO, design switch, design and verify different logic gates, build Flip-Flop, learn the use of 555 Timer

Semester -5

CC-XI

Course Code	CC-XI
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Course Title	QUANTUM MECHANICS & APPLICATIONS
THEORY \ PRACTICAL	Theory and Practical
*L.T.P.C	4-0-2-6
COURSE OUTCOME	
CO1	Derive the Schrödinger equation, interpret the wave function, Fourier Transform and momentum space Wave function
CO 2	Understand operator formalism, learn eigen values and eigen functions
CO 3	Study time Independent Schrodinger equation in 1d, 2d and 3d, study bound states in an arbitrary potential, Describe the different types of potentials and derive the solutions of Schrödinger equation
CO 4	Study atoms in presence of electric and magnetic Fields
Practical	Can solve s-wave Schrödinger equation for different given potentials using finite difference method or ODE solver method in Scilab

CC-XII

Course Code	CC-XII
Course Title	SOLID STATE PHYSICS
THEORY \ PRACTICAL	Theory and Practical
*L.T.P.C	4-0-2-6
COURSE OUTCOME	
CO1	Learn various types of crystal structures and symmetries, understand the relationship between the real and reciprocal space and learn the Bragg's X-ray diffraction in crystals
CO 2	Study elementary lattice dynamics, understand magnetic properties of matter
CO 3	Understand dielectric properties of materials, learn the concept of Lasers
CO 4	Understand elementary band theory and superconductivity
Practical	Hands-on learning experience of measuring susceptibility of solids, paramagnetic solution, measuring the resistivity and band gap of a given semiconductor

Discipline Specific Elective - 1

Course Code	DSE-1
Course Title	CLASSICAL DYNAMICS
THEORY \ PRACTICAL	Theory
*L.T.P.C	6-0-0-6

COURSE OUTCOME	
CO1	Understand the fundamental concepts of analytical mechanics such as generalised coordinates, derive Lagrange equation of motion and its applications
CO 2	Learn to use the Euler-Lagrange and Hamilton equations to solve complex mechanical problems, applications to central force motion and coupled oscillators
CO 3	Understand the fundamental concepts of special theory of relativity and their physical consequences, study Minkowski space, the invariant interval, light cone and world lines, space time diagrams
CO 4	Learn the concept of Four vectors

Discipline Specific Elective - 2

Course Code	DSE-2
Course Title	NUCLEAR AND PARTICLE PHYSICS
THEORY \ PRACTICAL	Theory
*L.T.P.C	6-0-0-6
COURSE OUTCOME	
CO1	Understand the general properties of nuclei, radioactivity decays
CO 2	Detail study of various nuclear models like liquid drop model and shell model
CO 3	Learn the detectors for nuclear radiations and particle accelerators
CO 4	Study the fundamentals of particle physics, symmetries and conservation laws

Semester -6

CC-XIII

Course Code	CC-XIII
Course Title	ELECTRO-MAGNETIC THEORY
THEORY \ PRACTICAL	Theory and Practical
*L.T.P.C	4-0-2-6
COURSE OUTCOME	
CO1	Learn Maxwell's equations, gauge transformations, Poynting vector, Physical concept of Electromagnetic field energy density
CO 2	Understand propagation of electromagnetic wave in Unbounded Media
CO 3	Understand propagation of electromagnetic wave in bounded Media

Course Code	CC-XIII
Course Title	ELECTRO-MAGNETIC THEORY
THEORY \ PRACTICAL	Theory and Practical
*L.T.P.C	4-0-2-6
COURSE OUTCOME	
CO 4	Detail study of polarization of electromagnetic waves, learn phase retardation plates and rotatory polarization
Practical	Can realize the experimental verification of different polarization, determine the refractive Index of glass and a liquid by total internal reflection, d determine the polarizing angle for air-glass interface, o determine Stefan's constant and Boltzmann constant

CC-XIV

Course Code	CC-XIV
Course Title	STATISTICAL MECHANICS
THEORY \PRACTICAL	Theory and Practical
*L.T.P.C	4-0-2-6
COURSE OUTCOME	
CO1	Understand statistical properties of matter & connections with thermodynamics, concept of Ensemble, Partition Function
CO 2	Thermodynamics function of an ideal Gas, Gibbs paradox, law of equipartition of energy
CO 3	Detail study of quantum statistics
CO 4	Concepts of radiation and Plank's law of Black body radiation
Practical	Can plot of different distributions like MB, FD and BE distributions , plot specific heat of solids, Plancks Law, Rayleigh Law etc. using Scilab

Discipline Specific Elective - 3

Course Code	DSE - 3
Course Title	NANO MATERIALS & APPLICATIONS
THEORY \PRACTICAL	Theory
*L.T.P.C	6-0-0-6
COURSE OUTCOME	

Course Code	DSE - 3
Course Title	NANO MATERIALS & APPLICATIONS
THEORY \ PRACTICAL	Theory
*L.T.P.C	6-0-0-6
COURSE OUTCOME	
CO1	Learn length scales in physics, nanostructures, application of Schrodinger equation for such nano structures, quantum confinement
CO 2	Study the detail synthesis procedure of nanostructure materials
CO 3	Learn different characterization methods of nanostructure materials
CO 4	Explore different applications

Discipline Specific Elective - 4

Course Code	DSE - 4
Course Title	RESEARCH PROJECT
PRACTICAL	Practical
*L.T.P.C	0-0-0-6
COURSE OUTCOME	Can have preliminary experience in research, can understand the research methodology to pursue future research career.

B.Sc. ZOOLOGY

Zoology Programme Outcomes (POs)

PO 1: Demonstrate a coherent understanding of academic field of zoology, its different learning areas and applications, and its linkages with related disciplinary subjects.

PO 2: Use theoretical knowledge, understanding and skills required for identifying problems related to animal sciences.

PO 3: Inculcate the scientific temper and create the right platform for innovations in various aspects of zoology.

PO 4: Empower with practical skills to comprehend the physiology, biochemical, and molecular processes in biological system.

PO 5: Equip the students to work independently or with team members effectively.

PO 6: Enable the students to avail career opportunities in teaching, industry and research.

PO 7: Apply ethical principles and commit to professional ethics and responsibilities in delivering his duties.

PO 8:Develops empathy and love towards the animals.

Programme Specific Outcome (PSO)

PSO 1:Identify different animals, classifies them and explain the basic biology of animals and their interactions with other living organisms.

PSO 2:Understand the basic concept of cell biology, physiology, taxonomy, genetics and applied zoology to correlated them in biological system.

PSO 3:Apply the knowledge of molecular biology, genetics, biochemistry and immunology to solve the problems in human health.

PSO 4:Compare the anatomy, and correlate the physiological processes of animals and relationship of organ system.

PSO 5:Inculcate good laboratory practices and proper handling of laboratory instruments to develop skills on clinical procedures of biochemical, immunological and molecular biology.

PSO 6:Provide an insight to the aspects of animal diversity to develop empathy and love towards animals and become responsible towards conservation of endemic and endangered animal species.

Course outcomes (COs)

Semester 1

CC-1

Course Code	CORE 1
Course Title	NON-CHORDATES I: PROTISTA TO PSEUDOCOELOMATES
THEORY \\PRACTICAL	Theory and Practical
L.T.P.C	4-0-2-6
COURSE OUTCOME	
CO1	Learn about importance of systematic, taxonomy, structural organization of the animals and will appreciate diversity of non-chordates.
CO 2	Get a concrete idea of the evolution, hierarchy and classification of invertebrate phyla
CO 3	Ability to love and understand the fascinating world of invertebrates
CO 4	Understand evolutionary history and relationships of different non-chordates through functional and structural affinities.
CO 5	Able to critically analyse organization, complexity and characteristic features of non-chordates along with their significance and interactions with the environment.
Practical	Identify and classify different specimens.
	Prepare project report to understand the life cycles of parasitic protozoans and helminthes

Lecture-Tutorial-Practical-Credit

CC-2

Course Code	CORE 2
Course Title	PRINCIPLES OF ECOLOGY
THEORY \PRACTICAL	Theory and Practical
L.T.P.C	4-0-2-6
COURSE OUTCOME	
CO1	Explain the population and its attributes, characteristics of community, structure and functions of ecosystem
CO 2	Understand the concept of biodiversity, wildlife conservation and its management
CO 3	Inculcate the knowledge about the judicious use of existing ecological resources for sustainable development
CO 4	Solving problems on standard deviation
CO 5	Analyse and interpret the data using Chi-square test and t-test
Practical	Perform various physio-chemical experiments and study various phytoplanktons and zooplanktons
Practical	Positive attitude towards biodiversity conservation by visiting to National Park/ Biodiversity Park/ Wild Life Sanctuary
Practical	Understand about the paramount role and importance of Nature

Lecture-Tutorial-Practical-Credit

GE – 1A

Course Code	GE 1 A
Course Title	ANIMAL DIVERSITY
THEORY \PRACTICAL	Theory and Practical
L.T.P.C	4-0-2-6
COURSE OUTCOME	
CO1	Understand the basics of systematics by learning the diagnostic and general characters of various groups
CO 2	Understand evolutionary relationships between different groups in animal kingdom through functional and structural affinities.
CO 3	Aware about economically important specimen.
CO 4	Describe the parental care in fishes, amphibians etc
Practical	Observe life stages of different animals.
Practical	Identify different specimens and larval stages.

Lecture-Tutorial-Practical-Credit

Semester 2**CC-3**

Course Code	CORE 3
Course Title	NON-CHORDATES II: COELOMATES
THEORY \PRACTICAL	Theory and Practical
L.T.P.C	4-0-2-6
COURSE OUTCOME	
CO1	Describe the general characters of selected species of Non-Chordate coelomates
CO 2	Acquire knowledge on diversity of non-chordata with an emphasis and distinction in reference to coelom.
CO 3	Understand the evolutionary significance of Onychophora and trochophore larva
CO 4	Illustrate different larval forms in Echinodermata.
Practical	Critically observe and identify different specimens and larval stages.
Practical	Inculcate the practical skill to prepare temporary slides
Practical	Enhance analytical thinking to prepare Project report on larval form of crustaceans, mollusk and echinoderm

Lecture-Tutorial-Practical-Credit

CC-4

Course Code	CORE 4
Course Title	CELL BIOLOGY
THEORY \PRACTICAL	Theory and Practical
L.T.P.C	4-0-2-6
COURSE OUTCOME	
CO1	Understand the basic structure and functions of cellular organelles and nucleus.
CO 2	Differentiate between prokaryotic and Eukaryotic cells
CO 3	Compare and contrast the events of cell cycle and its regulation.
CO 4	Critically analyse the organization and complexity of chromosome, process of cell division and cell signalling
Practical	Learn the techniques to prepare temporary and permanent slides of onion root tip and cheek cells
Practical	Keenly observe the stages of mitosis and meiosis cell division

Lecture-Tutorial-Practical-Credit

GE-2A

Course Code	GE-2A
Course Title	FOOD, NUTRITION AND HEALTH
THEORY \PRACTICAL	Theory and Practical
L.T.P.C	4-0-2-6
COURSE OUTCOME	
CO1	Acquired in-depth knowledge of the physiological and

	metabolic role of various nutrients and their interactions in human nutrition.
CO 2	Able to recommend and provide appropriate nutritional care for prevention / and treatment of the various diseases.
CO 3	Understand the causes and consequences of nutrition problems in the society
CO 4	Know the effect of the various diseases on nutritional status and nutritional and dietary requirements
Practical	Test different foods for their quality
Practical	To detect adulteration in different foods and be familiar with test used for quality control

Semester III

CC-5

Course Code	CORE 5
Course Title	DIVERSITY OF CHORDATES
THEORY \PRACTICAL	Theory and Practical
L.T.P.C	4-0-2-6
COURSE OUTCOME	
CO1	Understand the evolutionary history and relationship between the different classes of chordates.
CO 2	Inculcate in the student a fascination for nature and learn the bionomics of vertebrates.
CO 3	Learn the evolution, hierarchy and classification of different classes of chordates
CO 4	Get an overview of the morphology and physiology of typical examples.
CO5	Familiarise the adaptations and economic importance of specific vertebrates.
Practical	Explain different theories pertaining to distribution of animals
Practical	Identify and list the characteristics of different species of protochordata, Agnatha, Fishes, Amphibia, Reptila, Aves, Mammalia
Practical	Enhance communication skill by power point presentation on different animals

Lecture-Tutorial-Practical-Credit

CC-6

Course Code	CORE 6
Course Title	PHYSIOLOGY: CONTROLLING AND COORDINATING SYSTEMS
THEORY \PRACTICAL	Theory and Practical
L.T.P.C	4-0-2-6
COURSE OUTCOME	

CO1	Get a basic understanding of human physiology
CO2	Explain the interplay between different organ systems and how organs and cells interact to maintain biological equilibria in the face of a variable and changing environment.
CO3	Describe the structure of major human organs and explain their role in the maintenance of healthy individuals.
CO4	Acquire knowledge on function and regulation of endocrine systems.
CO 5	Illustrate the mechanism of hormone action
Practical	Develop practical skill on preparation of permanent slides to study anatomy of different organs
Practical	Conduct the experiment on unconditional reflex action

Lecture-Tutorial-Practical-Credit

CC-7

Course Code	CORE 7
Course Title	FUNDAMENTALS OF BIOCHEMISTRY AND MICROBIOLOGY
THEORY \PRACTICAL	Theory and Practical
L.T.P.C	4-0-2-6
COURSE OUTCOME	
CO1	Understand the chemical nature of life and life process.
CO 2	Interpret structure-functional relationships of carbohydrates, proteins and lipids.
CO 3	Illustrate the basic structure and types of immunoglobulins
CO 4	Explain mechanism of enzyme action and regulation of enzyme action.
CO 5	Derive Michaelis-Menten equation
CO6	Develop an interest in the debates and discussions associated with lifestyle diseases
Practical	Learn about basic laboratory techniques and equipment used in biochemistry
Practical	Identify and list the characteristics of different types of bacteria and viruses

Lecture-Tutorial-Practical-Credit

Semester IV

CC-8

Course Code	CORE 8
Course Title	COMPARATIVE ANATOMY OF VERTEBRATES
THEORY \PRACTICAL	Theory and Practical
L.T.P.C	4-0-2-6
COURSE	

OUTCOME	
CO1	Understand comparative account of the different vertebrate system
CO 2	Learn the comparative account of integument, skeletal components, their functions [L] [SEP] and modifications in different vertebrates.
CO 3	Learn to analyze and critically evaluate the structure and functions of vertebrate systems, which helps them to discern the developmental, functional and evolutionary history of vertebrate species.
Practical	Identify and list the characteristics of disarticulated skeleton of Frog, <i>Varanus</i> , Fowl, Rabbit
Practical	Observe and compare the mammalian skulls

Lecture-Tutorial-Practical-Credit

CC-9

Course Code	CORE 9
Course Title	PHYSIOLOGY: LIFE SUSTAINING SYSTEM
THEORY \\PRACTICAL	Theory and Practical
L.T.P.C	4-0-2-6
COURSE OUTCOME	
CO1	Learn to analyze and critically evaluate the structure and functions of vertebrate systems.
CO 2	Understand the anatomy of different organs (heart, kidney and lungs) and mechanism of respiration and urine formation
CO3	Understand the connections between knowledge of physiology in relation to real world situations, including healthy lifestyle decisions, diseases and disorders and homeostatic imbalances.
Practical	Determine ABO blood group
Practical	Estimate haemoglobin
	Develop skill on basic laboratory techniques and equipment used in physiology

Lecture-Tutorial-Practical-Credit

CC-10

Course Code	CORE 10
Course Title	BIOCHEMISTRY OF METABOLIC PROCESSES
THEORY \\PRACTICAL	Theory and Practical
L.T.P.C	4-0-2-6
COURSE OUTCOME	
CO1	Understand the process in metabolism and regulation of metabolic pathways
CO2	Illustrate the metabolism of carbohydrates through various anabolic and catabolic pathways like glycolysis, Kreb's cycle, Glycogen metabolism etc.

CO3	Understand the influence and role of structure in reactivity of biomolecules
Practical	Learn laboratory techniques for quantitative and qualitative estimation of biomolecules.
Practical	Perform biochemical and physiological significant assays.

Lecture-Tutorial-Practical-Credit

Semester V

CC-11

Course Code	CORE 11
Course Title	MOLECULAR BIOLOGY
THEORY \PRACTICAL	Theory and Practical
L.T.P.C	4-0-2-6
COURSE OUTCOME	
CO1	Understanding on the details of the basic unit of life at the molecular level.
CO 2	Explain the mechanism of DNA replication, transcription, translation and post translational modifications of proteins.
CO 3	Illustrate the process of RNA Splicing and RNA Editing.
CO4	Understand the characteristic of Genetic code and interpret the codon table and explain the relationship between codons on mRNA and amino acids in a polypeptide.
Practical	Identify and interpret the photographs of experiments establishing DNA replication, Transcription and Split genes.
Practical	Learn laboratory techniques for bacterial culture and quantification of many biomolecules.

Lecture-Tutorial-Practical-Credit

CC-12

Course Code	CORE 12
Course Title	PRINCIPLES OF GENETICS
THEORY \PRACTICAL	Theory and Practical
L.T.P.C	4-0-2-6
COURSE OUTCOME	
CO1	Acquire indepth knowledge on different laws and principles of inheritance.
CO 2	Differentiate between incomplete dominance and codominance.
CO 3	Describe the phenomenon of linkage and crossing over.
CO 4	Solve the numerical based on gene interaction, gene mapping and pedigree analysis.
CO 5	Explain gene mutation, DNA repair mechanisms, classical and molecular concepts of gene.
Practical	Construct chromosome maps using test cross data.

Practical	Identify and list the characteristics of different types of chromosome anomaly.
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Lecture-Tutorial-Practical-Credit

DSE-1

Course Code	DSE-1
Course Title	BIOTECHNOLOGY
THEORY \PRACTICAL	Theory and Practical
L.T.P.C	4-0-2-6
COURSE OUTCOME	
CO1	Get a clear concept of the basic principles and applications of biotechnology
CO 2	Know the basic techniques used in genetic manipulation helping them continue with higher studies in this field
CO 3	Inculcate in-depth knowledge on different molecular and culture techniques for further applications.
CO4	Acquire knowledge of the basic principles, preparations and handling required for animal cell culture.
Practical	Design small experiments for successful implementation of the ideas and develop solutions to solve problems related to biotechnology keeping in mind safety factor for environment and society
Practical	Apply knowledge and skills gained in the course to develop new diagnostic kits and to innovate new technologies further in their career

Lecture-Tutorial-Practical-Credit

DSE-II

Course Code	DSE-II
Course Title	IMMUNOLOGY
THEORY \PRACTICAL	Theory and Practical
L.T.P.C	4-0-2-6
COURSE OUTCOME	
CO1	Imparts in depth knowledge of organs, cells and molecules involved in host defense mechanisms
CO 2	Differentiate between innate and adaptive immunity
CO 3	Understand the process of interaction of antigen, antibodies, complements and other immune components
CO4	Develop ideas to construct different types of vaccines
Practical	Diagnose the causative agents for allergy reaction
Practical	Familiar with the tools and techniques used in immunology to diagnose various diseases
Practical	Learn the techniques for blood group testing using KIT

Lecture-Tutorial-Practical-Credit

Semester VI

CC-13

Course Code	CORE 13
Course Title	DEVELOPMENTAL BIOLOGY
THEORY \\PRACTICAL	Theory and Practical
L.T.P.C	4-0-2-6
COURSE OUTCOME	
CO1	Understand the development of multicellular organisms from a single cell zygote
CO 2	Understand the concept of aging and the relevance of this knowledge in several medical applications.
CO 3	Inculcate in-depth knowledge on concept and theories on aging, teratogenesis, stem cell, invitro fertilization and amniocentesis, which help in practical applications.
Practical	Prepare project report on <i>Drosophila</i> culture/chick embryo development
Practical	Observe different developmental stages of frog and chicks
Practical	Learn laboratory techniques to develop chick embryo

Lecture-Tutorial-Practical-Credit

CC-14

Course Code	CORE 14
Course Title	EVOLUTIONARY BIOLOGY
THEORY \\PRACTICAL	Theory and Practical
L.T.P.C	4-0-2-6
COURSE OUTCOME	
CO1	Understand the theories, evidences of evolution and extinction
CO 2	Acquire problem solving and high order analytical skills by attempting numerical problems as well as performing simulation studies of various evolutionary forces in action
CO 3	Gain knowledge about the relationship of the evolution of various species and the environment they live in
CO 4	Understand the concept of natural selection, Hardy-Weinberg Law and application to human population.
CO5	Use knowledge gained from study of variations, genetic drift to ensure that conservation efforts for small threatened populations are focused in right direction
Practical	Learn bioinformatics tools to construct and interpret phylogenetic tree
Practical	Use various software to generate interest towards the field of bioinformatics and coding used in programming language
Practical	Analyse and interpret the data using statistical tools

Lecture-Tutorial-Practical-Credit

DSE-III

Course Code	DSE-III
Course Title	WILDLIFE CONSERVATION AND MANAGEMENT
THEORY \PRACTICAL	Theory and Practical
L.T.P.C	4-0-2-6
COURSE OUTCOME	
CO1	Acquired knowledge of wildlife conservation and management relates to the economy and environment, for current situation and in the future.
CO 2	Critically evaluate current events and public information related to wildlife conservation and management as being scientifically-based or opinion-based and contribute to the knowledge base of information.
CO3	Familiarise and study of animal evidences in the field like identification of animals through pugmarks, hoof marks, scats, pellet groups, nest and animal sounds.
CO 4	Evaluate the process to make management and conservation decisions in wildlife.
Practical	Identify flora, mammalian fauna, avian fauna, herpeto fauna of India and Odisha
Practical	Demonstration of different field techniques for flora and fauna
Practical	Create written, oral, visual, or multimedia materials to communicate wildlife, and conservation biology science to interested stakeholders, the public, and other scientists.

Lecture-Tutorial-Practical-Credit

DSE-IV

Course Code	DSE-IV
Course Title	PROJECT
THEORY \PRACTICAL	Theory and Practical
L.T.P.C	0-0-0-6
COURSE OUTCOME	Understand the basic ideas on research methodology, identify and state problems in specific research area, analyse and interpret the findings using statistical tools.

Lecture-Tutorial-Practical-Credit

CHEMISTRY

Course Code	CORE 1
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Course Title	INORGANIC CHEMISTRY-I
THEORY/PRACTICAL	Theory and Practical
L.T.P.C	4-0-2-6
COURSE OUTCOME	
CO1	Describe the atomic theory, structure of atom, Schrodinger's wave equation and its significance, the theories of bonding and predict the structure of molecules.
CO2	Analyze similarities and differences of properties of elements and their reactivity by using the periodic table.
CO3	Explain the variation in properties of molecules on the basis of the type of bonding
CO4	Understand basic concepts of redox reactions and its applications.
Practical	Estimate ions/acids/bases by acid-base titration method and oxidation-reduction titration method.

Semester 1

CC-1

CC-2

Course Code	CORE 2
Course Title	PHYSICAL CHEMISTRY-I
THEORY/PRACTICAL	Theory and Practical
L.T.P.C	4-0-2-6
COURSE OUTCOME	
CO1	Differentiate the physical properties of each state of matter.
CO2	Understand Kinetic theory of gas and its applications.
CO3	Explain electrolytes, degree of ionization and dissociation constant, pH.
CO4	Understand lattice parameters of solids, symmetry elements and symmetry operations, theories of acid-base indicators and its applications.
Practical	Find out surface tension and viscosity of solutions of different concentrations. Prepare solutions of different pH.

Semester 2

Course Code	CORE 3
Course Title	ORGANIC CHEMISTRY- I
THEORY/PRACTICAL	Theory and Practical
L.T.P.C	4-0-2-6
COURSE OUTCOME	
CO1	Understand the formation and stability of reaction intermediates, mechanism of elimination and addition reaction.
CO2	Compare the relative strength of organic acids and bases.
CO3	Distinguish between different types of isomerism, enantiomers and

	diastereomers, chair and boat form of cyclohexane.
CO4	Describe aromaticity and Electrophilic aromatic substitution reactions.
Practical	Determine the boiling points of organic compounds.

CC-3

CC-4

Course Code	CORE 4
Course Title	PHYSICAL CHEMISTRY-II
THEORY/PRACTICAL	Theory and Practical
L.T.P.C	4-0-2-6
COURSE OUTCOME	
CO1	Explain enthalpy, entropy, internal energy, free energy, the laws of Chemical Thermodynamics , partial molar quantities and colligative properties.
CO2	Describe Carnot cycle and efficiency of heat engine.
CO3	Understand the significance of equilibrium constant
CO4	Predict spontaneity of reaction
Practical	Measure the heat capacity of a calorimeter and enthalpy of solutions.

Semester 3

Course Code	CORE 5
Course Title	INORGANIC CHEMISTRY-II
THEORY/PRACTICAL	Theory and Practical
L.T.P.C	4-0-2-6
COURSE OUTCOME	
CO1	Understand the basic principles of extraction of metals from its ore and its purification.
CO2	Explain the concept of acid and base, Hard and soft acids and bases.
CO3	Describe the variation of properties of s and p block elements in the periodic table.
CO4	Analyse the chemistry of s and p block elements , noble gases and their compounds .
CO5	Distinguish between inorganic and organic polymers.
Practical	Prepare inorganic salts. Perform iodometric titration for estimation of chemicals.

CC-5

Course Code	CORE 6
Course Title	ORGANIC CHEMISTRY-II

THEORY/PRACTICAL	Theory and Practical
L.T.P.C	4-0-2-6
COURSE OUTCOME	
CO1	Understand nucleophilic substitution reaction and its mechanism.
CO2	Describe method of preparation and reactions of alkyl and aryl halides, alcohols, phenols, ethers, carbonyl compounds, carboxylic acids and their derivatives.
CO3	Explain the use of organometallic compounds of Mg and Li.
CO4	Compare reactivity of 1 ^o , 2 ^o and 3 ^o alcohols.
Practical	Prepare acetyl and benzoyl derivative of amines and phenols.

CC-6

Course Code	CORE 7
Course Title	PHYSICAL CHEMISTRY-III
THEORY/PRACTICAL	Theory and Practical
L.T.P.C	4-0-2-6
COURSE OUTCOME	
CO1	Understand phase, component, degree of freedom and Gibbs phase rule.
CO2	Draw and analyze phase diagram of one component system, three component system and eutectic system.
CO3	Describe Nernst distribution law and its applications, experimental methods of determining order of a reaction and theories of rate of reactions, physical adsorption and chemisorption.
CO4	Discuss acid-base catalysis and enzyme catalysis with mechanism and adsorption isotherms.
Practical	Verify Freundlich and Langmuir isotherm. Study the kinetics of reactions. Determine distribution coefficient of a solute.

CC-7

Course Code	GE B1
Course Title	Inorganic chemistry-I, Organic chemistry-I
THEORY/PRACTICAL	Theory and Practical
L.T.P.C	4-0-2-6
COURSE OUTCOME	
CO1	Understand the atomic theory, structure of atom, Schrodinger's wave equation and its significance.
CO2	Describe the theories of bonding and predict the structure of molecules.
CO3	Explain the formation and stability of reaction intermediates, nucleophiles and electrophiles.

CO4	Illustrate the types of isomerism, aromaticity , methods of preparation and reactions of alkanes, alkenes and alkynes.
Practical	Determine the strength of a solution by volumetric analysis. Identify extra elements in organic compounds. Separate mixtures by paper chromatography.

GE-B1

Semester 4

Course Code	CORE 8
Course Title	INORGANIC CHEMISTRY-III
THEORY/PRACTICAL	Theory and Practical
L.T.P.C	4-0-2-6
COURSE OUTCOME	
CO1	Describe Werner's theory, Valence Bond theory, Crystal field theory and Molecular Orbital theory of formation of complexes.
CO2	Calculate CFSE in weak and strong fields.
CO3	Explain the properties of Transition elements, Lanthanoids and Actinoids.
CO4	Draw and analyze Latimer and Ebsworth diagrams.
CO5	Understand the role of metal ions present in biological systems.
Practical	Prepare complexes Estimate amount of substances by complexometric titration and Gravimetric analysis. Separate metal ions by Paper chromatography.

CC-8

CC-9

Course Code	CORE 9
Course Title	ORGANIC CHEMISTRY-III
THEORY/PRACTICAL	Theory and Practical
L.T.P.C	4-0-2-6
COURSE OUTCOME	
CO1	Understand the methods of preparation of nitro compounds, nitriles, amines and diazonium salts.
CO2	Analyze structure, method of preparation and reactions of naphthalene and anthracene.
CO3	Describe classification, nomenclature, structure , aromaticity, synthesis and reactions of Heterocyclic compounds.
CO4	Illustrate structural features of alkaloids and their medicinal importance.
CO5	Explain Isoprene rule, structure and classification of Terpenes.

Course Code	CORE 10
Course Title	PHYSICAL CHEMISTRY-IV
THEORY/PRACTICAL	Theory and Practical
L.T.P.C	4-0-2-6
COURSE OUTCOME	
CO1	Describe theory of electrolytic dissociation, Faraday's laws of electrolysis and its applications.
CO2	Measure conductance of solutions, cell EMF, ionic mobility and transference number.
CO3	Determine pH of a solution using different electrodes.
CO4	Understand the principle of potentiometric titration, electrical properties of atoms and molecules.
Practical	Estimate the strength of acid/base by conductometric and potentiometric titration.
Practical	Detect extra elements present in an organic compound. Identify an organic compound.

CC-10

GE-B2

Course Code	GE B2
Course Title	Physical chemistry-I, Organic chemistry-II
THEORY/PRACTICAL	Theory and Practical
L.T.P.C	4-0-2-6
COURSE OUTCOME	
CO1	Explain the laws of Chemical Thermodynamics, Le Chatelier's principle, salt hydrolysis.
CO2	Calculate bond energy and resonance energy from thermochemical data.
CO3	Understand the significance of equilibrium constant, pH and solubility product.
CO4	Describe the method of preparation and reactions of aromatic hydrocarbons, alkyl and aryl halides, alcohols, phenols, ethers and carbonyl compounds.
Practical	Calculate heat capacity of Calorimeter and enthalpy of reactions. Measure pH of solutions. Prepare buffer solution.

Semester 5

CC-11

Course Code	CORE 11
Course Title	ORGANIC CHEMISTRY-IV

THEORY/PRACTICAL	Theory and Practical
L.T.P.C	4-0-2-6
COURSE OUTCOME	
CO1	Understand the basic principles of UV,IR, NMR and Mass spectroscopy.
CO2	Calculate λ_{\max} by applying Woodward rules.
CO3	Analyze UV, IR and NMR data to identify simple organic compounds.

Course Code	CORE 12
Course Title	PHYSICAL CHEMISTRY-V
THEORY/PRACTICAL	Theory and Practical
L.T.P.C	4-0-2-6
COURSE OUTCOME	
CO1	Understand quantum mechanical operators, postulates of quantum mechanics, application of Schrodinger equation to particle in one-dimensional box, simple harmonic oscillator and rigid rotator.
CO2	Illustrate valence bond and molecular orbital approach of chemical bonding.
CO3	Describe the basic principles of electronic , vibrational, Rotational and Raman spectroscopy.
CO4	Explain the laws of photochemistry ,quantum yield and chemiluminescence.
Practical	Verify Lambert-Beer's law and determine concentration of a solution. Determine the strength of a solution by spectrophotometric titration.
CO4	Describe the classification of carbohydrates and their biological importance.
CO5	Illustrate structure of glucose, fructose and maltose.
Practical	Estimate glucose and sucrose by titration. Identify carbohydrate and organic compounds by qualitative analysis.

CC-12

DISCIPLINE SPECIFIC ELECTIVE 1

Course Code	DSE 1
Course Title	POLYMER CHEMISTRY
THEORY/PRACTICAL	Theory and Practical
L.T.P.C	4-0-2-6
COURSE OUTCOME	
CO1	Understand the history, classification and functionality of polymeric materials, morphology of crystalline polymers, Tm and Tg.
CO2	Describe the mechanism and kinetics of polymerization.
CO3	Determine molecular weight of polymers by viscometry, end group analysis and osmotic pressure method.
CO4	Explain the preparation, structure, properties and applications of different types of addition and condensation polymers.

Practical	Demonstrate preparation of polymers by using free radical polymerization, redox polymerization, precipitation polymerization, addition polymerization and condensation polymerization process. Characterize and analyze a polymeric compound.
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Course Code	DSE 2
Course Title	GREEN CHEMISTRY
THEORY/PRACTICAL	Theory and Practical
L.T.P.C	4-0-2-6
COURSE OUTCOME	
CO1	Understand the necessity of green chemistry, goals and obstacles .
CO2	Explain the principles of green chemistry.
CO3	Design a chemical synthesis by following the principles of green chemistry.
CO4	Describe the examples of green reactions and future trends in green reaction.
Practical	Demonstrate green synthesis of organic compounds in the laboratory.

DISCIPLINE SPECIFIC ELECTIVE 2

Course Code	MOOCS
Course Title	Elements of Nanotechnology: Novice to Professional
THEORY/PRACTICAL	
L.T.P.C	Not included in the curriculum
COURSE OUTCOME	Acquire knowledge in new or advanced courses from SWAYAM platform

CERTIFICATE COURSE

Semester 6

Course Code	CORE 13
Course Title	INORGANIC CHEMISTRY-IV
THEORY/PRACTICAL	Theory and Practical
L.T.P.C	4-0-2-6
COURSE OUTCOME	
CO1	Understand the classification, structure, method of preparation and the catalytic role of organometallic compounds in different types of industrial processes.
CO2	Describe the principles used in qualitative analysis of cations and anions.
CO3	Differentiate between thermodynamic and kinetic stability.
CO4	Explain trans effect and reaction mechanism of metal complexes.
Practical	Detect known and unknown radicals and insoluble substance in a mixture by qualitative analysis.

Course Code	CORE 14
Course Title	ORGANIC CHEMISTRY-V
THEORY/PRACTICAL	Theory and Practical
L.T.P.C	4-0-2-6
COURSE OUTCOME	
CO1	Classify amino acids, peptides, enzymes and lipids,
CO2	Illustrate structure, synthesis and reactions of proteins and nucleic acids.
CO3	Describe the importance of analgesics, antipyretics, curcumin, vitamin C and antacid.
CO4	Understand the structure of pharmaceutical compounds and dyes, the synthesis and applications of azo dyes.
Practical	Prepare a dye. Estimate iodine number and saponification value of an oil/fat.

Course Code	DSE 3
Course Title	INDUSTRIAL CHEMICALS AND ENVIRONMENT
THEORY/PRACTICAL	Theory and Practical
L.T.P.C	4-0-2-6
COURSE OUTCOME	
CO1	Understand the large scale production of industrial gases and inorganic chemicals, their storage and handling problem.
CO2	Describe the causes and effects of air pollution.
CO3	Explain the techniques for measuring water pollution and water purification methods.
CO4	Illustrate the different sources of energy and their impact on the environment.
Practical	Determine the amount of dissolved oxygen in water. Determine biological oxygen demand, chemical oxygen demand and total alkalinity of water sample.

DISCIPLINE SPECIFIC ELECTIVE 3**DISCIPLINE SPECIFIC ELECTIVE 4**

Course Code	DSE 4
Course Title	DISSERTATION/ PROJECT WORK
THEORY/PRACTICAL	
L.T.P.C	6 Credits
COURSE OUTCOME	
CO1	Understand the basic steps for writing a project report.
CO2	Describe the objectives of the study.

CO3	Collect experimental data.
CO4	Analyse and interpret the data.

Program Outcome

PO 1: Disciplinary knowledge and skill	Demonstrate comprehensive knowledge and understanding in all disciplines of Chemistry. Analyze and solve problems methodically, independently and finally draw a logical conclusion. Apply modern technologies and handle advanced instruments.
PO 2: Communication skill	Express the subject through technical writing as well as through oral presentation.
PO 3: Critical thinking and problem solving	Develop critical thinking and design, carry out, record and analyze the results of chemical reactions.
PO 4: Sense of inquiry	Ability to recognize cause- and- effect relationships, define problems, formulate hypotheses, interpret and draw conclusions from data, ability to plan, execute and report the results of an experiment or investigation. Ability to apply one's learning to real life situations .
PO 5: Team player	Act as a team player by contributing in laboratory, field based situation and industry. Ability to work effectively and respectfully with diverse teams, facilitate cooperative or coordinated effort and act together as a team .
PO 6: Digitally literate	Understand and carry out data analysis, use of search tools and computational work.
PO 7: Ethical awareness	Create an awareness of the impact of chemistry on the environment, society, and also make development outside the scientific community.
PO 8: Environmental Awareness	Follow the green routes for the synthesis of chemical compounds and also find out new greener routes for sustainable development.
PO 9: Lifelong learner	Inculcate a habit of learning continuously through use of advanced ICT technique and e-books and e-journals for personal academic growth.
PO 10: Analytical skill development and job opportunity	Handle various instruments and advanced technologies to synthesize, characterize and analyze the chemical compounds skillfully and so it provides a good opportunity for getting job in industries besides academics.

Program Specific Outcome

PSO 1:	Gain knowledge of the fundamental concepts of chemistry and applied chemistry through theory and practicals.
PSO 2:	They can solve their problems methodically, independently and with logical argument. They are expected to build good communication skill so that they can easily share their idea/finding/concepts to others.
PSO 3:	They design, carry out, record and analyze the results of chemical reactions and thus achieve critical thinking ability
PSO 4:	Gain knowledge on how to synthesize a chemical compound and perform necessary

	characterization and analysis in support of the formation of the product by using modern analytical tools and advanced technologies.
PSO 5:	They are digitally literate. They increase their core competency via e-learning resources such as MOOC and other digital tools for lifelong learning.
PSO 6:	Build social awareness by finding green chemical reaction routes for sustainable development. They maintain good laboratory practices and safety.



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2.6.1 Programme outcomes and course outcomes for all Programmes offered by the institution are stated and displayed on website and communicated to teachers and students

INDEX

: Statements of POs, PSOs & COs of all courses and programs

Sl.no		
1	Statements of POs, PSOs & COs of all courses and programs	

Course outcomes (Cos) of all courses of all programs offered by the institution

ODIA

Semester 1

CC-1

Course Code	CORE 1
Course Title	ପ୍ରାଚୀନ ଓଡ଼ିଆ ସାହିତ୍ୟର ଇତିହାସ
THEORY	Theory
L.T.C	4-2-6
COURSE OUTCOME	
CO1	ପ୍ରାକ-ସାରଳା ସାହିତ୍ୟ ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।
CO 2	ସାରଳା ସାହିତ୍ୟର ସାମାଜିକ, ସାଂସ୍କୃତିକ ଓ ସାହିତ୍ୟିକ ମୂଲ୍ୟ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।
CO 3	ବଳରାମ ଦାସ ଓ ଜଗନ୍ନାଥ ଦାସଙ୍କ ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।
CO 4	ଅନନ୍ତ ଦାସ , ଯଶୋବନ୍ତ ଦାସ ଓ ଅଚ୍ୟୁତାନନ୍ଦ ଦାସଙ୍କ ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।

Lecture-Tutorial-Credit

CC- 2

Course Code	CORE 2
Course Title	ମଧ୍ୟଯୁଗୀୟ ଓଡ଼ିଆ ସାହିତ୍ୟ
THEORY	Theory
L.T.C	4-2-6
COURSE OUTCOME	
CO1	ମଧ୍ୟଯୁଗୀୟ ଓଡ଼ିଆ ସାହିତ୍ୟର ପୃଷ୍ଠଭୂମି ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।
CO 2	ମଧ୍ୟଯୁଗୀୟ କାବ୍ୟର ଆଙ୍ଗିକ ବୈଚିତ୍ର୍ୟ ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।

CO 3	ମଧ୍ୟଯୁଗୀୟ କାବ୍ୟର ଆତ୍ମିକ ବିଭବ ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।
CO 4	ମଧ୍ୟଯୁଗୀୟ ଓଡ଼ିଆ ଗୀତି ପରମ୍ପରା ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।

Lecture-Tutorial-Credit

GE (A) - 1

Course Code	GE 1
Course Title	ଗଣମାଧ୍ୟମ ବେତାର କଳା ଓ ବିଜ୍ଞାପନ କଳା
THEORY	Theory
L.T.C	4-2-6
COURSE OUTCOME	
CO1	ଗଣମାଧ୍ୟମ ଓ ତା'ର ପ୍ରକାରଭେଦ ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।
CO 2	ବିଜ୍ଞାପନର ପରିଭାଷା, ପରିସର ଓ ଉଦ୍ଦେଶ୍ୟ ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।
CO 3	ସ୍ତମ୍ଭ ଲିଖନ ଓ ଫିଚର ଲିଖନ ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।
CO 4	ପତ୍ରଲିଖନ ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।

Lecture-Tutorial-Credit

AECC - 1

Course Code	AECC - 1
Course Title	ଯୋଗାଯୋଗମୂଳକ ମାତୃଭାଷା – (ଓଡ଼ିଆ)
THEORY	Theory
L.T.C	4-2-6
COURSE OUTCOME	
CO1	ଯୋଗାଯୋଗର ପରିଭାଷା, ଅନୁବିଧି, ପରିସର ଓ ପ୍ରକାରଭେଦ ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।
CO 2	ସାକ୍ଷାତକାର, ଭାଷଣ କଳା ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।
CO 3	ସମ୍ବାଦର ପରିଭାଷା, ପରିସର ଓ ସମ୍ବାଦ ପ୍ରସ୍ତୁତି ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।
CO 4	ଓଡ଼ିଆ ଭାଷାର ବର୍ଣ୍ଣମାଳା, ବର୍ଣ୍ଣାଶ୍ରୁତିର ନିରାକରଣ ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।

Lecture-Tutorial-Credit

Semester 2

CC-3

Course Code	CORE 3
Course Title	ଆଧୁନିକ ଓଡ଼ିଆ ସାହିତ୍ୟ
THEORY	Theory
L.T.C	4-2-6
COURSE OUTCOME	
CO1	ଆଧୁନିକ ଓଡ଼ିଆ ସାହିତ୍ୟର ପୃଷ୍ଠଭୂମି ଓ ନବଜାଗରଣ ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।

CO 2	ଆଧୁନିକ ଓଡ଼ିଆ ସାହିତ୍ୟର ପ୍ରମୁଖ ସ୍ରଷ୍ଟା ମାନଙ୍କ ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।
CO 3	ଓଡ଼ିଆ ସାହିତ୍ୟରେ ସତ୍ୟବାଦୀଧାରା ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।
CO 4	ଓଡ଼ିଆ ସାହିତ୍ୟରେ ସବୁଜଧାରା ଓ ପ୍ରଗତିଧାରା ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।

Lecture-Tutorial-Credit

CC- 4

Course Code	CORE 4
Course Title	ସ୍ଵାଧୀନତା ପରବର୍ତ୍ତୀ ଓଡ଼ିଆ ସାହିତ୍ୟ
THEORY	Theory
L.T.C	4-2-6
COURSE OUTCOME	
CO1	ସ୍ଵାଧୀନତା ପରବର୍ତ୍ତୀ ଓଡ଼ିଆ କବିତା ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।
CO 2	ସ୍ଵାଧୀନତା ପରବର୍ତ୍ତୀ ଓଡ଼ିଆ କଥା ସାହିତ୍ୟ ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।
CO 3	ସ୍ଵାଧୀନତା ପରବର୍ତ୍ତୀ ଓଡ଼ିଆ ନାଟକ ଓ ଏକାଙ୍କିକା ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।
CO 4	ସ୍ଵାଧୀନତା ପରବର୍ତ୍ତୀ ଓଡ଼ିଆ ଗଦ୍ୟ ସାହିତ୍ୟ ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।

Lecture-Tutorial-Credit

GE (A) - 2

Course Code	GE 2
Course Title	ସାହିତ୍ୟ ଅଧ୍ୟୟନ
THEORY	Theory
L.T.C	4-2-6
COURSE OUTCOME	
CO1	ବୁଝା ଶଙ୍ଖାରି, ମାଗୁଣୀର ଶଗଡ଼, ଶିକାର ଭଳି ଗଳ୍ପ ସାହିତ୍ୟ ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।
CO 2	ଶାସ୍ତି ଭଳି ଉପନ୍ୟାସ ସାହିତ୍ୟ ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।
CO 3	ଶେଷ କଥା ଭଳି ନାଟକ ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।
CO 4	ବାଇ ମହାନ୍ତି ପାଞ୍ଜି, ବଟୁଆ, ସାଧୁ ସଙ୍ଗ ଭଳି ରମ୍ୟ ରଚନା ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।

Lecture-Tutorial-Credit

Semester 3

CC-5

Course Code	CORE 5
Course Title	ଓଡ଼ିଆ ଭାଷା ଓ ଲିପିର ଐତିହାସିକ ବିକାଶ କ୍ରମ
THEORY	Theory
L.T.C	4-2-6
COURSE OUTCOME	

CO1	ଓଡ଼ିଆ ଭାଷାର ଉଦ୍ଭବ ଓ ବିକାଶକ୍ରମ ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।
CO 2	ଓଡ଼ିଆ ଲିପିର ଐତିହାସିକ ବିବର୍ତ୍ତନ ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।
CO 3	ଓଡ଼ିଆ ଅଭିଲେଖର ଭାଷା ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।
CO 4	ଚର୍ଯ୍ୟାପଦ ଓ ସାରଳା ସାହିତ୍ୟର ଭାଷା ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।

Lecture-Tutorial-Credit

CC- 6

Course Code	CORE 6
Course Title	ଭାଷାର ସଂଜ୍ଞା ଓ ସ୍ୱରୂପ, ଓଡ଼ିଆ ଭାଷାର ବୈଶିଷ୍ଟ୍ୟ ଓ ବିବିଧତା
THEORY	Theory
L.T.C	4-2-6
COURSE OUTCOME	
CO1	ଭାଷାର ସଂଜ୍ଞା ଓ ସ୍ୱରୂପ ଓ ପ୍ରକାରଭେଦ ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।
CO 2	ଭାଷାର ଉତ୍ପତ୍ତି ସମ୍ପର୍କୀୟ ବିଭିନ୍ନ ସିଦ୍ଧାନ୍ତ ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।
CO 3	ଓଡ଼ିଆ ଭାଷାର ଆଞ୍ଚଳିକ ରୂପ ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।
CO 4	ଓଡ଼ିଆ ଭାଷା ଉପରେ ବିଭିନ୍ନ ଭାଷାର ପ୍ରଭାବ ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।

Lecture-Tutorial-Credit

CC- 7

Course Code	CORE 7
Course Title	ଓଡ଼ିଆ ବ୍ୟାବହାରିକ ବ୍ୟାକରଣ
THEORY	Theory
L.T.C	4-2-6
COURSE OUTCOME	
CO1	ଓଡ଼ିଆ ବର୍ଣ୍ଣ ବିଚାର, ବାକ୍ୟର ଗଠନ ରୀତି ଓ ପ୍ରକାରଭେଦ ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।
CO 2	କାରକ, ବିଭକ୍ତି, କୃଦନ୍ତ ଓ ତତ୍ତ୍ୱ ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।
CO 3	ଉପସର୍ଗ, ସନ୍ଧି ଓ ସମାସ ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।
CO 4	ଓଡ଼ିଆ ଶବ୍ଦସମ୍ଭାର ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।

Lecture-Tutorial-Credit

GE (B) – 1

Course Code	GE (B)
Course Title	ଗଣମାଧ୍ୟମ ବେତାର କଳା ଓ ବିଜ୍ଞାପନ କଳା
THEORY	Theory
L.T.C	4-2-6
COURSE OUTCOME	
CO1	ଗଣମାଧ୍ୟମ ଓ ତା'ର ପ୍ରକାରଭେଦ ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।
CO 2	ବିଜ୍ଞାପନର ପରିଭାଷା, ପରିସର ଓ ଉଦ୍ଦେଶ୍ୟ ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।
CO 3	ସ୍ତମ୍ଭ ଲିଖନ ଓ ଫିଚର ଲିଖନ ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।

CO 4	ପଦ୍ମଲିଖନ ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।
Lecture-Tutorial-Credit	

Semester -4

CC-8

Course Code	CORE 8
Course Title	ଓଡ଼ିଆ ଲୋକସଂସ୍କୃତି ଓ ଲୋକ ସାହିତ୍ୟ
THEORY	Theory
L.T.C	4-2-6
COURSE OUTCOME	
CO1	ଓଡ଼ିଆ ଲୋକସଂସ୍କୃତି ଓ ଲୋକ ସାହିତ୍ୟର ସଂଜ୍ଞା, ସ୍ୱରୂପ ଓ ପ୍ରକାରଭେଦ ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।
CO 2	ଓଡ଼ିଆ ଲୋକଗୀତର ସ୍ୱରୂପ, ପ୍ରକାରଭେଦ ଓ ବିଭିନ୍ନ ଦିଗ ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।
CO 3	ଓଡ଼ିଆ ଲୋକକାହାଣୀର ସ୍ୱରୂପ, ପ୍ରକାରଭେଦ ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।
CO 4	ଓଡ଼ିଆ ଲୋକନାଟକର ସ୍ୱରୂପ, ପ୍ରକାରଭେଦ ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।

Lecture-Tutorial-Credit

CC- 9

Course Code	CORE 9
Course Title	ସାହିତ୍ୟ ତତ୍ତ୍ୱ (ପ୍ରାଚ୍ୟ ଓ ପାଶ୍ଚାତ୍ୟ)
THEORY	Theory
L.T.C	4-2-6
COURSE OUTCOME	
CO1	ରସ ଓ ଧ୍ୱନି ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।
CO 2	ରୀତି, ବକ୍ରୋକ୍ତି ଓ ଅଳଙ୍କାର ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।
CO 3	କ୍ଲାସିସିଜିମ୍, ରୋମାଣ୍ଟିସିଜିମ୍ ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।
CO 4	ପ୍ରତୀକବାଦ, ଚିତ୍ରକଳ୍ପ ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।

Lecture-Tutorial-Credit

CC- 10

Course Code	CORE 10
Course Title	ଓଡ଼ିଆ କବିତା ପ୍ରାଚୀନରୁ ଆଧୁନିକ
THEORY	Theory
L.T.C	4-2-6
COURSE OUTCOME	
CO1	ସାରଳା ମହାଭାରତ ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।
CO 2	ଜଗନ୍ନାଥ ଦାସଙ୍କ ଭାଗବତ ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।

CO 3	ଦୀନକୃଷ୍ଣ ଦାସଙ୍କ ରସକଲ୍ଲୋଳ ଓ ଉପେନ୍ଦ୍ରଭଞ୍ଜଙ୍କ କୋଟିବ୍ରହ୍ମାଣ୍ଡ ସୁନ୍ଦରୀ ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।
CO 4	ଆଧୁନିକ କବିତା ମହାଯାତ୍ରା ଓ ଅମର୍ଷୀଙ୍କ ଉଦବୋଧନ ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।

Lecture-Tutorial-Credit

GE (B) – 2

Course Code	GE (B)-2
Course Title	ସାହିତ୍ୟ ଅଧ୍ୟୟନ
THEORY	Theory
L.T.C	4-2-6
COURSE OUTCOME	
CO1	ବୁଢ଼ା ଶଙ୍ଖାରି, ମାଗୁଣୀର ଶଗଡ଼, ଶିକାର ଭଳି ଗଳ୍ପ ସାହିତ୍ୟ ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।
CO 2	ଶାସ୍ତି ଭଳି ଉପନ୍ୟାସ ସାହିତ୍ୟ ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।
CO 3	ଶେଷ କଥା ଭଳି ନାଟକ ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।
CO 4	ବାଇ ମହାନ୍ତି ପାଞ୍ଜି, ବରୁଆ, ସାଧୁ ସଙ୍ଗ ଭଳି ରମ୍ୟ ରଚନା ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।

Lecture-Tutorial-Credit

Semester -5

CC-11

Course Code	CORE 11
Course Title	ଓଡ଼ିଆ ନାଟକ ଓ ଏକାଙ୍କିକା
THEORY	Theory
L.T.C	4-2-6
COURSE OUTCOME	
CO1	କାଳୀଚରଣ ପଟ୍ଟନାୟକଙ୍କ ରକ୍ତମାଟି ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।
CO 2	ମନୋରଞ୍ଜନ ଦାସଙ୍କ ନନ୍ଦିକା କେଶରୀ କିମ୍ବା ବିଜୟ ମିଶ୍ରଙ୍କ ତଟନିରଞ୍ଜନା ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।
CO 3	ବିଜୟ କୁମାର ଶତପଥୀଙ୍କ କୋକୁଆ ଓ ମଙ୍ଗୁଳୁଚରଣ ବିଶ୍ୱଳଙ୍କ ଭୂଖା ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।
CO 4	ସ୍ୱର୍ଣ୍ଣ ବିଭ୍ରାଟ, ଛକ୍କୁବେଶୀ ପରି ଏକାଙ୍କୀକା ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।

Lecture-Tutorial-Credit

CC- 12

Course Code	CORE 12
Course Title	ଓଡ଼ିଆ କଥା ସାହିତ୍ୟ
THEORY	Theory
L.T.C	4-2-6
COURSE OUTCOME	
CO1	ଓଡ଼ିଆ କଥା ସାହିତ୍ୟର ବିକାଶକ୍ରମ ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।

CO 2	ଫକିର ମୋହନ ସେନାପତିଙ୍କ ଛ'ମାଣ ଆଠଗୁଣ୍ଠ ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।
CO 3	ଗୋପୀନାଥ ମହାନ୍ତିଙ୍କ ଦାନାପାଣି କିମ୍ବା ଦୟାନିଧି ମିଶ୍ରଙ୍କ ନୟନତାରା ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।
CO 4	ବିଭିନ୍ନ ପ୍ରକାର ଗନ୍ତ ସାହିତ୍ୟ ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।

Lecture-Tutorial-Credit

Discipline Specific Electives 1

Course Code	DSE 1
Course Title	ଓଡ଼ିଶାର ସାଂସ୍କୃତିକ ଇତିହାସ ଓ ଓଡ଼ିଆ ସାହିତ୍ୟ
THEORY	Theory
L.T.C	4-2-6
COURSE OUTCOME	
CO1	ଓଡ଼ିଶାର ସଂକ୍ଷିପ୍ତ ଇତିହାସ ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।
CO 2	ଓଡ଼ିଶାରେ ବୌଦ୍ଧ ସଂସ୍କୃତି, ଶୈବ ସଂସ୍କୃତି ଓ ବୈଷ୍ଣବ ସଂସ୍କୃତି ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।
CO 3	ଶ୍ରୀଜଗନ୍ନାଥ ସଂସ୍କୃତି ଓ ଆଦିବାସୀ ସଂସ୍କୃତି ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।
CO 4	ଓଡ଼ିଆ ଓଷା ବ୍ରତ ଓ ପର୍ବପର୍ବାଣି ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।

Lecture-Tutorial-Credit

Discipline Specific Electives – 2

Course Code	DSE -2
Course Title	ଓଡ଼ିଆ ଶିଶୁ ସାହିତ୍ୟ ଓ ବିଜ୍ଞାନ ଭିତ୍ତିକ ସାହିତ୍ୟ
THEORY	Theory
L.T.C	4-2-6
COURSE OUTCOME	
CO1	ଓଡ଼ିଆ ଶିଶୁ ସାହିତ୍ୟର ସ୍ୱରୂପ ଓ ପ୍ରକାରଭେଦ ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।
CO 2	ଓଡ଼ିଆ ବିଜ୍ଞାନ ଭିତ୍ତିକ ସାହିତ୍ୟର ସ୍ୱରୂପ ଓ ବିକାଶଧାରା ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।
CO 3	ଗୋକୁଳାନନ୍ଦ ମହାପାତ୍ରଙ୍କ ପୃଥ୍ବୀ ବାହାରେ ମଣିଷ ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।
CO 4	ଦେବକାନ୍ତ ମିଶ୍ରଙ୍କ ବିଚିତ୍ର ବିଶ୍ୱ ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।

Lecture-Tutorial-Credit

Semester -6

CC-13

Course Code	CORE13
Course Title	ଓଡ଼ିଆ ଗଦ୍ୟ ସାହିତ୍ୟ
THEORY	Theory
L.T.C	4-2-6
COURSE OUTCOME	

CO1	ଆତ୍ମ ଜୀବନୀ, ଭ୍ରମଣ କାହାଣୀ ଓ ସମାଲୋଚନା ଡକ୍ଟ୍ର ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।
CO 2	ଫର୍ଦ୍ଦୁରାନ୍ନଙ୍କ ମୋ ଫୁଟା ଡଙ୍ଗାର କାହାଣୀ ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।
CO 3	ଭୁବନେଶ୍ୱର ବେହେରାଙ୍କ ପଶ୍ଚିମ ଆଫ୍ରିକାରେ ଓଡ଼ିଆ ଢେଙ୍କ ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।
CO 4	ଭାଷା ଓ ଜାତୀୟତା, ମୁଁ ସତ୍ୟଧର୍ମୀ କହୁଛି ଓ ବିବେକାନନ୍ଦ ପରି ପ୍ରବନ୍ଧ ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।

Lecture-Tutorial-Credit

CC-14

Course Code	CORE 14
Course Title	ଓଡ଼ିଆ ଭାଷାର ବ୍ୟବହାରିକ ପ୍ରୟୋଗ
THEORY	Theory
L.T.C	4-2-6
COURSE OUTCOME	
CO1	ଭାଷଣ କଳା, ଦଳଗତ ଆଲୋଚନା ଓ ସାକ୍ଷାତକାର ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।
CO 2	ସମ୍ବାଦ ପ୍ରସ୍ତୁତି, ଫିଚର ରଚନା ଓ ବିଜ୍ଞାପନ ପ୍ରସ୍ତୁତି ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।
CO 3	କାର୍ଯ୍ୟାଳୟରେ ଓଡ଼ିଆ ଲିଖନ ବିଧି ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।
CO 4	ଓଡ଼ିଆ ଭାଷାର କମ୍ପ୍ୟୁଟରୀକରଣ, ସଫ୍ଟୱେୟାର ଏବଂ ହାର୍ଡୱେୟାର, ଓଡ଼ିଆ ଫଣ୍ଟସ, କୀ-ବୋର୍ଡ, ଝାଡ଼ ପ୍ରୋସେସିଂ, ବନାନ ଓ ବ୍ୟାକରଣ ପ୍ରକ୍ରିୟା, ଓଡ଼ିଆରେ ଇଣ୍ଟର୍ନେଟର ବ୍ୟବହାର, ଓଡ଼ିଆ ସାମାଜିକ ୱେବସାଇଟ ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।

Lecture-Tutorial-Credit

Discipline Specific Electives3

Course Code	DSE 3
Course Title	ଓଡ଼ିଆ ପଦ୍ୟ ସାହିତ୍ୟ
THEORY	Theory
L.T.C	4-2-6
COURSE OUTCOME	
CO1	ଜଗନ୍ନାଥ ଜଣାଣ, ଆକାଶ ପ୍ରତି, ଯାତ୍ରା ସଙ୍ଗୀତ, ମୌସୁମୀ ଆଦି ପଦ୍ୟ ସାହିତ୍ୟ ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।
CO 2	ଡିମିରି ଫୁଲ, ଭଙ୍ଗା ଖେଳଣା, ଅନ୍ଧ ରାତିର ସ୍ୱର୍ଣ୍ଣ, ମତା ଆଦି କ୍ଷୁଦ୍ର ଗଳ୍ପ ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।
CO 3	ବିଭିନ୍ନପ୍ରକାରର ପ୍ରବନ୍ଧ ଓ ସମାଲୋଚନା ଭିତ୍ତିକ ସାହିତ୍ୟ ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।
CO 4	ମାଟିର ମଣିଷ ଉପନ୍ୟାସ ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।

Lecture-Tutorial-Credit

Discipline Specific Electives4

Course Code	DSE 4
Course Title	ପ୍ରବନ୍ଧ ପ୍ରସ୍ତୁତି ଓ ଉପସ୍ଥାପନା

THEORY	Theory
L.T.C	4-2-6
COURSE OUTCOME	
CO1	ସମାଲୋଚନାର ସଂଜ୍ଞା, ସ୍ୱରୂପ ଓ ପ୍ରକାରଭେଦ ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।
CO 2	ଅନୁବାଦର ସଂଜ୍ଞା, ସ୍ୱରୂପ ଓ ପ୍ରକାରଭେଦ ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।
CO 3	ସମ୍ପାଦନା ବିଧି ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।
CO 4	ଗବେଷଣା ପ୍ରବନ୍ଧ ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।

Lecture-Tutorial-Credit

Program Outcomes (ODIA)

PO1 : Critical Analysis	ପ୍ରାଚୀନ ଓଡ଼ିଆ ସାହିତ୍ୟର ଇତିହାସ ସାରଳା ସାହିତ୍ୟର ସାମାଜିକ, ସାଂସ୍କୃତିକ ଓ ସାହିତ୍ୟିକ ମୂଲ୍ୟ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ । ମଧ୍ୟଯୁଗୀୟ ଓଡ଼ିଆ ସାହିତ୍ୟର ପୃଷ୍ଠଭୂମି ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ । ଆଧୁନିକ ଓଡ଼ିଆ ସାହିତ୍ୟର ପ୍ରମୁଖ ସ୍ରଷ୍ଟା ମାନଙ୍କ ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।
PO2 : Development of Thinking Skills	ସ୍ୱାଧୀନତା ପରବର୍ତ୍ତୀ ଓଡ଼ିଆ ସାହିତ୍ୟ ସ୍ୱାଧୀନତା ପରବର୍ତ୍ତୀ ଓଡ଼ିଆ କବିତା ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ । ସ୍ୱାଧୀନତା ପରବର୍ତ୍ତୀ ଓଡ଼ିଆ କଥା ସାହିତ୍ୟ ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ । ସ୍ୱାଧୀନତା ପରବର୍ତ୍ତୀ ଓଡ଼ିଆ ନାଟକ ଓ ଏକାଙ୍କିକା ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ । ସ୍ୱାଧୀନତା ପରବର୍ତ୍ତୀ ଓଡ଼ିଆ ଗଦ୍ୟ ସାହିତ୍ୟ ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।
PO3 : Development of Understanding	ଓଡ଼ିଆ ଭାଷାର ଉଦ୍ଭବ ଓ ବିକାଶକ୍ରମ ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ । ଓଡ଼ିଆ ଲିପିର ଐତିହାସିକ ବିବର୍ତ୍ତନ ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ । ଓଡ଼ିଆ ଅଭିଲେଖର ଭାଷା ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ । ଚର୍ଯ୍ୟାପଦ ଓ ସାରଳା ସାହିତ୍ୟର ଭାଷା ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।
PO4 : Effective Communication	ଭାଷାର ସଂଜ୍ଞା ଓ ସ୍ୱରୂପ ଓ ପ୍ରକାରଭେଦ ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ । ଭାଷାର ଉତ୍ପତ୍ତି ସମ୍ପର୍କୀୟ ବିଭିନ୍ନ ସିଦ୍ଧାନ୍ତ ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ । ଓଡ଼ିଆ ଭାଷାର ଆଞ୍ଚଳିକ ରୂପ ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ । ଓଡ଼ିଆ ଭାଷା ଉପରେ ବିଭିନ୍ନ ଭାଷାର ପ୍ରଭାବ ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।
PO5 : Application	ଓଡ଼ିଆ ବର୍ଣ୍ଣ ବିଚାର, ବାକ୍ୟର ଗଠନ ରୀତି ଓ ପ୍ରକାରଭେଦ ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ । କାରକ, ବିଭକ୍ତି, କୃଦନ୍ତ ଓ ତଦ୍ୱତ୍ତି ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ । ଉପସର୍ଗ, ସନ୍ଧି ଓ ସମାସ ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ । ଓଡ଼ିଆ ଶବ୍ଦସମ୍ଭାର ସମ୍ବନ୍ଧରେ ଛାତ୍ର ଛାତ୍ରୀ ମାନେ ଜାଣିପାରିବେ ।
PO6 : Values and Ethics	ସାହିତ୍ୟ ଅଧ୍ୟୟନ ଦ୍ୱାରା ନିଉତିକ ମୂଲ୍ୟବୋଧର ଉନ୍ନତି ହୋଇଥାଏ ।
PO7: Widening of the Horizon of Knowledge	ଚେତନାର ବିକାଶ ହୋଇଥାଏ ।
PO8 : Solving Current Problems	ସାହିତ୍ୟ ସକଳ ସମସ୍ୟାର ସମାଧାନ ଆଣିଦେଇଥାଏ ।
PO9 : Use of ICT	ଓଡ଼ିଆ ଭାଷାରେ ସମସ୍ତ ଆଧୁନିକ ପ୍ରଣାଳୀରେ କୋମ୍ପ୍ୟୁଟର ର ପ୍ରୟୋଗ କରିପାରିବେ ।

PO10: Self-Sufficiency and Life-long learning	ସାହିତ୍ୟ ବଞ୍ଚିବାର କଳା ଶିଖାଏ ।
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Program Specific Outcomes (odia)

PSO 1:	ସାହିତ୍ୟ ପଠନ ଦ୍ଵାରା ସମସ୍ତ ସେବା ପ୍ରଦାନ କରାଯାଇପାରିବ ।
PSO 2:	ସାହିତ୍ୟ ଆନନ୍ଦ ଆଣିଦେଇଥାଏ ।
PSO 3:	ସାହିତ୍ୟ ସମାଜ ପରିବର୍ତ୍ତନ କରେ ।
PSO 4:	ସାହିତ୍ୟରେ ଗବେଷଣା କରିହେବ ।
PSO 5:	ଆଲଙ୍କାରିକ ଓ ତୁଳନାତ୍ମକ ।
PSO 6:	ସାହିତ୍ୟ ସବୁ ସମାଧାନର ମାର୍ଗ ଦେଖାଏ ।
PSO 7:	ମାତୃ ଭାଷା ମାଧ୍ୟମରେ ସମସ୍ତ ବିଷୟରେ ଅଧ୍ୟୟନକରାଯାଇପାରେ ।



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2.6.1 Programme outcomes and course outcomes for all Programmes offered by the institution are stated and displayed on website and communicated to teachers and students

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: Statements of POs, PSOs & COs of all courses and programs

Sl.no		
1	Statements of POs, PSOs & COs of all courses and programs	

Course outcomes (Cos) of all courses of all programs offered by the institution

HISTORY

Semester 1

CC-1

Course Code	CORE 1
Course Title	HISTORY OF INDIA - I
THEORY \PRACTICAL	THEORY
L.T.P.C	3-1-1-6
COURSE OUTCOME	
CO1	Reconstructing Ancient Indian History
CO 2	Pre-Historic Hunter-Gatherers and Food Production
CO 3	The Harappan Civilization
CO 4	Cultures in Tradition
PRACTICAL `	Nil

Lecture-Tutorial

CC-2

Course Code	CORE 2
Course Title	SOCIAL FORMATIONS AND CULTURAL PATTERNS OF THE ANCIENT WORLD
THEORY \PRACTICAL	Theory
L.T.P.C	3-1-1-6
COURSE OUTCOME	
CO1	Paleolithic Culture
CO 2	Neolithic Culture
CO 3	Bronze Age Civilizations
CO 4	Ancient Greece
PRACTICAL	Nil

GE - A1

Course Code	GE A 1
Course Title	HISTORY OF INDIA – I (Early Times to 1750)
THEORY \PRACTICAL	Theory
L.T.P.C	3-1-1-6
COURSE OUTCOME	
CO1	Reconstructing Ancient Indian History
CO 2	Polity and Administration
CO 3	Early Medieval Society, Economy and Culture
CO 4	India on the eve of the Advent of the Mughals
Practical	Nil

Lecture-Tutorial

Semester 2

CC-3

Course Code	CORE 3
Course Title	HISTORY OF INDIA – II (300BCE – 750CE)
THEORY \PRACTICAL	Theory
L.T.P.C	3-1-1-6
COURSE OUTCOME	
CO1	Economy and Society (circa 300 BCE to circa CE 300)
CO 2	Changing Political Formations (circa 300 BCE to circa CE 300)
CO 3	Towards Early Medieval India (circa CE fourth century to CE 750)
CO 4	Religion, Culture, Philosophy and Society
Practical	Nil

Lecture-Tutorial

CC-4

Course Code	CORE 4
Course Title	SOCIAL FORMATIONS AND CULTURAL PATTERNS OF THE MEDIEVAL WORLD
THEORY \PRACTICAL	Theory
L.T.P.C	3-1-1-6
COURSE OUTCOME	
CO1	Polity and Economy in Ancient Rome
CO 2	Economic Developments in Europe from 7 th to 14 th Centuries
CO 3	Religion and Culture in Medieval Europe
CO 4	Societies in Central Islamic Lands
Practical	Nil

GE-A2

Course Code	GE-A2
Course Title	HISTORY OF INDIA – I (Early Times to 1750)
THEORY \PRACTICAL	Theory
L.T.P.C	3-1-1-6
COURSE OUTCOME	
CO1	Reconstructing Ancient Indian History
CO 2	Polity and Administration
CO 3	Early Medieval Society, Economy and Culture
CO 4	India on the eve of the Advent of the Mughals
Practical	Nil

Lecture-Tutorial

Semester 3

CC-5

Course Code	CORE 5
Course Title	HISTORY OF INDIA – III (C. 750 – 1206)
THEORY \PRACTICAL	Theory
L.T.P.C	3-1-1-6
COURSE OUTCOME	
CO1	Studying Early Medieval India : Political Structures
CO 2	Agrarian Structure and Social Change
CO 3	Trade and Commerce
CO 4	Religious and Cultural Developments
Practical	Nil

Lecture-Tutorial-

CC-6

Course Code	CORE 6
Course Title	RISE OF THE MODERN WEST - I
THEORY/PRACTICAL	Theory
L.T.P.C	3-1-1-6
COURSE OUTCOME	
CO1	Transition from Feudalism to Capitalism
CO 2	Early Colonial Expansion
CO 3	Renaissance and Reformation
CO 4	Economic Developments of the Sixteenth Century
Practical	Nil

Lecture-Tutorial-

CC-7

Course Code	CORE 7
Course Title	HISTORY OF INDIA IV (c 1206 – 1526)
THEORY/PRACTICAL	Theory
L.T.P.C	3-1-1-6
COURSE OUTCOME	
CO1	Sultanate : Political Structures
CO 2	Emergence of Regional Identities
CO 3	Society and Economy
CO 4	Religion, Society and Culture
Practical	Nil

Lecture-Tutorial-

GE - B1 HISTORY

Course Code	GE 2	
Course Title		
THEORY \PRACTICAL		
L.T.P.C		
COURSE OUTCOME		
CO1		
CO 2		
CO 3		
CO 4		
Practical		

Lecture-Tutorial-

Semester -4

CC-8

Course Code	CORE 8
Course Title	RISE OF THE MODERN WEST - II
THEORY \PRACTICAL	Theory
L.T.P.C	3-1-1-6
COURSE OUTCOME	
CO1	The English Revolution and European Politics in the 18 th century
CO 2	Rise of Modern Science
CO 3	Mercantilism and European Economy
CO 4	The American Revolution
Practical	Nil

Lecture-Tutorial-

CC-9

Course Code	CORE 9
Course Title	HISTORY OF INDIA V (c. 1526 – 1750)
THEORY \PRACTICAL	Theory
L.T.P.C	3-1-1-6
COURSE OUTCOME	
CO1	Establishment of Mughal Rule
CO 2	Consolidation of Mughal Rule
CO 3	Society and Economy
CO 4	Cultural Ideals
Practical	Nil

Lecture-Tutorial-

CC-10

Course Code	CORE 10
Course Title	HISTORICAL THEORIES AND METHODS
THEORY \PRACTICAL	Theory
L.T.P.C	3-1-1-6
COURSE OUTCOME	
CO1	Meaning and Scope of History 1
CO 2	Traditions and Historical Writing
CO 3	History as Interdisciplinary Practice
CO 4	Historical Methods
Practical	Nil

Lecture-Tutorial-

GE-B2

Course Code	GE B2
Course Title	HISTORY OF INDIA – II (1750 - 1950)
THEORY \PRACTICAL	Theory
L.T.P.C	3-1-1-6
COURSE OUTCOME	
CO1	Foundation and Expansion of British Rule
CO 2	Consolidation of British rule and Indian responses
CO 3	Social and Cultural Policies
CO 4	Indian National Movement
Practical	Nil

Lecture-Tutorial-

Semester -5

CC-11

Course Code	CORE 11
Course Title	HISTORY OF MODERN EUROPE – I (c. 1780 – 1880)
THEORY \ PRACTICAL	Theory
L.T.P.C	3-1-1-6
COURSE OUTCOME	
CO1	The French Revolution (1789)
CO 2	Revolution and its European Repercussions
CO 3	Restoration and Revolution c 1815 - 1848
CO 4	Socio Economic Transformation and Remaking of States (Late 18 th Century to Late 19 th Century)
Practical	Nil

Lecture-Tutorial-

Core-12

Course Code	CORE 12
Course Title	HISTORY OF INDIA VII (c. 1750 – 1857)
THEORY \ PRACTICAL	Theory
L.T.P.C	3-1-1-6
COURSE OUTCOME	
CO1	Expansion and Consolidation of Colonial Power
CO 2	Colonial State and Ideology
CO 3	Economy and Society
CO 4	Popular Resistance
Practical	Nil

Lecture-Tutorial-

Discipline Specific Electives 1

Course Code	DSE 1
Course Title	HISTORY AND CULTURE OF ODISHA -1
THEORY \ PRACTICAL	Theory
L.T.P.C	3-1-1-6
COURSE OUTCOME	
CO1	Historical Geography of Odisha
CO 2	Bhaumakaras
CO 3	Somavamsis
CO 4	Ganges
Practical	nil

Lecture-Tutorial

Discipline Specific Electives 2

Course Code	DSE 2
Course Title	HISTORY AND CULTURE OF ODISHA -2
THEORY \PRACTICAL	Theory and Practical
L.T.P.C	3-1-1-6
COURSE OUTCOME	
CO1	Afghans
CO 2	Resistance Movements
CO 3	Formation of Separate Province of Odisha
CO 4	Nationalist Politics in Odisha
Practical	nil

Lecture-Tutorial

CERTIFICATE COURSE

Course Code	
Course Title	
THEORY \PRACTICAL	
L.T.P.C	
COURSE OUTCOME	
CO1	
CO 2	

Semester -6

CC-13

Course Code	CORE 13
Course Title	HISTORY OF INDIA VIII (c. 1857 – 1950)
THEORY \PRACTICAL	Theory
L.T.P.C	3-1-1-6
COURSE OUTCOME	
CO1	Cultural Changes, Socio and Religious Reform Movements
CO 2	Nationalism : Trends up to 1919
CO 3	Gandhian Nationalism after 1919 : Ideas and Movements
CO 4	Communalism and Partition
Practical	Nil

Lecture-Tutorial-

CC-14

Course Code	CORE 14
Course Title	HISTORY OF MODERN EUROPE II (c. 1880 – 1939)
THEORY \PRACTICAL	Theory

L.T.P.C	3-1-1-6
COURSE OUTCOME	
CO1	Liberal Democracy, Working Class Movements and Socialism in the 19 th and 20 th Centuries
CO 2	The Crisis of Feudalism in Russia and Experiments In Socialism
CO 3	Imperialism, War and Crisis c. 1880 - 1939
CO 4	Intellectual Developments since circa 1850 : Major Intellectual Trends
Practical	Nil

Lecture-Tutorial-Practical

DSE 3

Course Code	DSE - 3
Course Title	HISTORY AND CULTURE OF ODISHA -3
THEORY \PRACTICAL	Theory
L.T.P.C	3-1-1-6
COURSE OUTCOME	
CO1	Religion in Odisha
CO 2	Growth of Odia Literature
CO 3	Evolution of Temple Architecture
CO 4	Socio-Religious Reform Movement
Practical	nil

Lecture-Tutorial

DSE 4

Course Code	DSE 4
Course Title	RESEARCH PROJECT
PRACTICAL	Practical
L.T.P.C	3-1-1-6
COURSE OUTCOME	

Program Outcomes (History)

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Program Specific Outcomes (History)

PSO 1:	Explain the major philosophies of history along with great educators of the East and West: and internalize the love values that enshrine those philosophies.
PSO 2:	Apply theories of learning, development and motivation to the classroom situations; and decipher the adjustment process to lead a stress free life.
PSO 3:	Play their roles effectively in the society and contribute to the progress of it and

	people. Work for establishment of a discrimination-free environment for healthy society.
PSO 4:	Describe the importance of research and its processes: and apply them to solve diverse historical problems that plague the development of education and society at large.
PSO 5:	Describe various statistical procedures, tools and techniques and use those tools and techniques in undertaking research that will be helpful for generation of knowledge.
PSO 6:	Understand the current trends, issues, problems and programmes of history at different layers: and strive towards solution of those for the greater cause of society and progress of education
PSO 7:	Explain historical development of history at different stages and various policies and commissions on history in a precise way and map out future education in the landscape of India.



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2.6.1 Programme outcomes and course outcomes for all Programmes offered by the institution are stated and displayed on website and communicated to teachers and students

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: Statements of POs, PSOs & COs of all courses and programs

Sl.No		
1	Statements of POs, PSOs & COs of all courses and programs	

Course outcomes (Cos) of all courses of all programs offered by the institution

ECONOMICS

Semester 1

CC-1

Course Code	CORE 1
Course Title	INTRODUCTORY MICROECONOMICS
THEORY \PRACTICAL	Theory
L.T.P.C	5-1-0-6
COURSE OUTCOME	
CO1	Exploring the Subject Matter of Economics, Markets and Welfare
CO 2	The theory of Consumer choice
CO 3	The Firm and Market Structures
CO 4	The Input Markets

Lecture-Tutorial-Practical-Credit

CC-2

Course Code	CORE 2
Course Title	Mathematical Methods for Economics I
THEORY \PRACTICAL	Theory
L.T.P.C	5-1-0-6
COURSE OUTCOME	
CO1	Preliminaries and Functions of one Real Variable
CO 2	Derivative of a Function
CO 3	Functions of two or more Independent Variables
CO 4	Matrices and Determinants

Course Code	GE A 1
Course Title	Indian Economy I
THEORY \PRACTICAL	Theory
L.T.P.C	5-1-0-6
COURSE OUTCOME	
CO1	Introduction to Indian Economy and Current Challenges
CO 2	Indian Agriculture
CO 3	Industrial Development in India
CO 4	Service Sector in India

Lecture-Tutorial-Practical-Credit

Semester 2

CC-3

Course Code	CORE 3
Course Title	Introductory Macro Economics
THEORY \PRACTICAL	Theory
L.T.P.C	5-1-0-6
COURSE OUTCOME	
CO1	Basics Concepts of Macroeconomics
CO 2	Measurement of Macroeconomic Variables
CO 3	Money and Changes in its Value
CO 4	Determination of National Income
Practical	

Lecture-Tutorial-Practical-Credit

CC-4

Course Code	CORE 4
Course Title	Mathematical Methods for Economics II
THEORY \PRACTICAL	Theory
L.T.P.C	5-1-0-6
COURSE OUTCOME	
CO1	Linear Models
CO 2	Second and Higher Order Derivatives and Integration
CO 3	Single and Multivariable Optimisation
CO 4	Optimisation with Equality Constraints

GE-A2

Course Code	GE 2
Course Title	Indian Economy II
THEORY \PRACTICAL	Theory
L.T.P.C	5-1-0-6
COURSE OUTCOME	
CO1	External Sector in India
CO 2	Financial Markets in India
CO 3	Indian Public Finance
CO 4	Current Challenges Facing Indian Economy

Lecture-Tutorial-Practical-Credit

Semester 3

CC-5

Course Code	CORE 5
Course Title	MICROECONOMICS-I
THEORY \PRACTICAL	Theory
L.T.P.C	5-1-0-6
COURSE OUTCOME	
CO1	Consumer Theory I
CO 2	Consumer Theory II
CO 3	Production Theory and Costs
CO 4	Profit Maximization

Lecture-Tutorial-Practical-Credit

CC-6

Course Code	CORE 6
Course Title	MACROECONOMICS I
THEORY \PRACTICAL	Theory
L.T.P.C	5-1-0-6
COURSE OUTCOME	
CO1	Consumption and Investment
CO 2	Demand for and Supply of Money
CO 3	Aggregate Demand and Aggregate Supply
CO 4	Inflation, Unemployment and Expectations, and Trade Cycles

Lecture-Tutorial-Practical-Credit

CC-7

Course Code	CORE 7
Course Title	STATISTICAL METHODS FOR ECONOMICS
THEORY \PRACTICAL	Theory
L.T.P.C	5-1-0-6
COURSE OUTCOME	
CO1	Data Collection and Measures of Central Tendency and Dispersion
CO 2	Correlation and Regression Analysis
CO 3	Time Series and Index Number
CO 4	Probability Theory and Sampling

Lecture-Tutorial-Practical-Credit

GE - B1

Course Code	GE B 1
Course Title	Indian Economy I
THEORY \PRACTICAL	Theory
L.T.P.C	5-1-0-6
COURSE OUTCOME	
CO1	Introduction to Indian Economy and Current Challenges
CO 2	Indian Agriculture
CO 3	Industrial Development in India
CO 4	Service Sector in India

Lecture-Tutorial-Practical-Credit

Semester -4

CC-8

Course Code	CORE 8
Course Title	MICROECONOMICS II
THEORY \PRACTICAL	Theory
L.T.P.C	5-1-0-6
COURSE OUTCOME	
CO1	Firm Supply and Equilibrium
CO 2	General Equilibrium, Efficiency and Welfare
CO 3	Market Imperfections : Monopoly and Oligopoly
CO 4	Game Theory

Lecture-Tutorial-Practical-Credit

CC-9

Course Code	CORE 9
Course Title	MACROECONOMICS II
THEORY \PRACTICAL	Theory
L.T.P.C	5-1-0-6
COURSE OUTCOME	
CO1	Modeling Economic Growth
CO 2	Open Economy and Macroeconomic Policy
CO 3	Classical and Keynesian Macroeconomics Thoughts
CO 4	Monetarist and New Classical Macroeconomic Thoughts

Lecture-Tutorial-Practical-Credit

CC-10

Course Code	CORE 10
Course Title	RESEARCH METHODOLOGY
THEORY \PRACTICAL	Theory
L.T.P.C	5-1-0-6
COURSE OUTCOME	
CO1	Basics of Research
CO 2	Research Problem
CO 3	Issues in Research
CO 4	Actions in Research

Lecture-Tutorial-Practical

GE-B2

Course Code	GE B2
Course Title	Indian Economy II
THEORY \PRACTICAL	Theory
L.T.P.C	5-1-0-6
COURSE OUTCOME	
CO1	External Sector in India
CO 2	Financial Markets in India
CO 3	Indian Public Finance
CO 4	Current Challenges Facing Indian Economy

Lecture-Tutorial-Practical-Credit

Semester -5

CC-11

Course Code	CORE 11
Course Title	INDIAN ECONOMY I
THEORY \PRACTICAL	Theory
L.T.P.C	5-1-0-6
COURSE OUTCOME	
CO1	Basic Characteristics of Indian Economy as a Developing Economy
CO 2	Population and Human Development
CO 3	National Income in India – The Growth Story and Current Challenges
CO 4	Economic Planning in India

Lecture-Tutorial-Practical

Core-12

Course Code	CORE 12
Course Title	DEVELOPMENT ECONOMICS I
THEORY \ PRACTICAL	Theory
L.T.P.C	5-1-0-6
COURSE OUTCOME	
CO1	Study of Economic Development
CO 2	Theories of Economic Growth and Development
CO 3	Poverty, Inequality, Agriculture, Industry and Development
CO 4	Institutions and Economic Development

Lecture-Tutorial-Practical

Discipline Specific Electives 1

Course Code	DSE 1
Course Title	PUBLIC ECONOMICS
THEORY \PRACTICAL	Theory
L.T.P.C	5-1-0-6
COURSE OUTCOME	
CO1	Introduction to Public Finance and Public Budgets
CO 2	Public Expenditure
CO 3	Public Revenue
CO 4	Public Debt

Lecture-Tutorial-Practical

Discipline Specific Electives 2

Course Code	DSE 2
Course Title	INTRODUCTORY ECONOMETRICS
THEORY \PRACTICAL	Theory
L.T.P.C	5-1-0-6
COURSE OUTCOME	
CO1	Definition and Scope of Econometrics, Theory of Estimation
CO 2	Hypothesis Testing
CO 3	Linear Regression Analysis
CO 4	Violation of Classical Assumption

Lecture-Tutorial-Practical

Discipline Specific Electives 2

Course Code	DSE 2
Course Title	ODISHA ECONOMY
THEORY \PRACTICAL	Theory
L.T.P.C	5-1-0-6
COURSE OUTCOME	
CO1	Odisha Economy before 1947
CO 2	Macro Economy Odisha
CO 3	Agriculture, Industry, Infrastructure and Environment in Odisha
CO 4	

Lecture-Tutorial-Practical

Semester -6

CC-13

Course Code	CORE 13
Course Title	INDIAN ECONOMY II
THEORY \PRACTICAL	Theory
L.T.P.C	5-1-0-6
COURSE OUTCOME	
CO1	Agricultural Development in India
CO 2	Industrial Development in India
CO 3	Tertiary Sector,HRD and External Sector
CO 4	Indian economy and Environment

Lecture-Tutorial-Practical

CC-14

Course Code	CORE 14
Course Title	DEVELOPMENT ECONOMICS II
THEORY \PRACTICAL	Theory
L.T.P.C	5-1-0-6
COURSE OUTCOME	
CO1	Population and Development
CO 2	Dualism and Economic Development
CO 3	Environment and Development
CO 4	International Trade and Economic Development and Financing Economic Development

Lecture-Tutorial-Practical

DSE 3

Course Code	DSE - 3
Course Title	Environmental Economics
THEORY \PRACTICAL	Theory
L.T.P.C	5-1-0-6
COURSE OUTCOME	
CO1	Economy and Environment
CO 2	The Economics of Pollution and Climate Change
CO 3	Valuation of Environmental Damage
CO 4	Natural Resources and Sustainable Development

Lecture-Tutorial-Practical

Course Code	DSE 4
Course Title	RESEARCH PROJECT
PRACTICAL	Practical
L.T.P.C	5-1-0-6
COURSE OUTCOME	

Program Outcomes (Economics Core Course)

PO1 : Introductory Microeconomics CC-I

This course is designed to expose the students to the basic principles of microeconomic theory. The emphasis will be on thinking like an economist and the course will illustrate how microeconomic concepts can be applied to analyze real-life situation.

PO2 : Mathematical Methods For Economics CC-II

This is the first of a compulsory two-course sequence. The objective of this sequence is to transmit the body of basic mathematics that enables the study of economic theory at the undergraduate level, specifically the courses on microeconomic theory, macroeconomic theory, statistics and econometrics set out in this syllabus. In this course, particular economic models are not the ends, but the means for illustrating the method of applying mathematical techniques to economic theory in general. The level of sophistication at which the material is to be taught is indicated by the contents of the prescribed textbook.

PO3 : Introductory Macroeconomics CC-III

This course aims to introduce the students to the basic concepts of Macroeconomics. Macroeconomics deals with the aggregate economy. This course discusses the preliminary concepts associated with the determination and measurement of aggregate macroeconomic variable like savings, investment, GDP, money, inflation, and the balance of payments.

PO4 : Mathematical Methods For Economics II CC-IV

This course is the second part of a compulsory two-course sequence. This part is to be taught in Semester II following the first part in Semester I. The objective of this sequence is to transmit the body of basic mathematics that enables the study of economic theory at the undergraduate level, specifically the courses on microeconomic theory, macroeconomic theory, statistics and econometrics set out in this Syllabus. In this course, particular economic models are not the ends, but the means for illustrating the method of applying mathematical techniques to economic theory in general. The level of sophistication at which the material is to be taught is indicated by the contents of the prescribed textbook.

PO5 : Microeconomics CC-V

The course is designed to provide a sound training in microeconomic theory to formally analyse the behavior of individual agents. Since students are already familiar with the quantitative techniques in the previous semesters, mathematical tools are used to facilitate understanding of the basic concepts: this course looks at the behavior of the consumer and the producer and also covers the behavior of a competitive firm.

PO6 : Macroeconomics CC-VI

The course introduces the students to formal modeling of a macro-economy in terms of analytical tools. It discusses various alternative theories of output and employment determination in a closed

economy in the short run as well as medium run, and the role of policy in this context. It also introduces the students to various theoretical issues related to an open economy.

PO7 : Statistical Methods For Economics CC-VII

This is a course on statistical methods for economics. It begins with some basic concepts and terminology that are fundamental to statistical analysis and inference. It is followed by a study and measure of relationship between variables, which are the core of economic analysis. This is followed by a basic discussion on index numbers and time series. The paper finally develops the notion of probability, followed by probability distributions of discrete and continuous random variables and introduces the most frequently used theoretical distribution, the Normal distribution.

PO8 : Microeconomics II CC-VIII

This course is a sequel to Microeconomics I. The emphasis will be on giving conceptual clarity to the student coupled with the use of mathematical tools and reasoning. It covers Market, general equilibrium and welfare, imperfect markets and topics under information economics.

PO9 : Macroeconomics II CC-IX

This course is a sequel to Macroeconomics I. In this course, the students are introduced to the long run dynamic issues like growth and technical progress. It also provides the micro-foundations to the various aggregative concepts used in the previous course.

PO10: Research Methodology CC-X

The course is to develop a research orientation among the students and to acquaint them with fundamentals of research methods. Specifically, the course aims at introducing them to the basic concepts used in research and to scientific social research methods and their approach. It includes discussions on sampling techniques, research designs and techniques of analysis.

PO11: Indian Economy I CC-XI

Using appropriate analytical frameworks, this course reviews major trends in economic indicators and policy debates in India in the post-Independence period, with particular emphasis on paradigm shifts and turning points. Given the rapid changes taking place in India, the reading list will have to be updated annually.

PO12: Development Economics I CC-XII

This is the first part of a two-part course on economic development. The course begins with a discussion of alternative conceptions of development and their justification. It then proceeds to aggregate models of growth and cross-national comparisons of the growth experience that can help evaluate these models. The axiomatic basis for inequality measurement is used to develop measures of inequality and connections between growth and inequality are explored. The course ends by linking political institutions to growth and inequality by discussion the role of the state in economic development and the informational and incentive problems that affect state governance.

PO13: Indian Economy II CC-XIII

This course examines sector-specific policies and their impact in shaping trends in key economic indicators in India. It highlights major policy debates and evaluates the Indian empirical evidence. Given the rapid changes taking place in the country, the reading list will have to be updated annually.

PO14: Development Economics II CC-XIV

This is the second unit of the economic development sequence. It begins with basic demographic concepts and their evolution during the process of development. The structure of markets and

contracts is linked to the particular problems of enforcement experienced in poor countries. The governance of communities and organizations is studied and this is then linked to questions of sustainable growth. The course ends with reflections on the role of globalization and increased international dependence on the process of development.

PO15: Public Economics DSE-I

Public economics is the study of government policy from the points of view of economic efficiency and equity. The paper deals with the nature of government intervention and its implications for allocation, distribution and stabilization. Inherently, this study involves a formal analysis of government taxation and expenditures. The subject encompasses a host of topics including public goods, market failures and externalities.

PO16: Introductory Econometrics DSE-II

This course provides a comprehensive introduction to basic econometric concepts and techniques. It covers statistical concepts of hypothesis testing, estimation and diagnostic testing of simple and multiple regression models. The course also covers the consequences of and tests for misspecification of regression models.

PO17: Odisha Economy DSE-II

Using appropriate analytical frameworks, this course reviews major trends in economic indicators and policy debates in Odisha in pre- and post-Independence period, with particular emphasis on paradigm shifts and turning points. Given the rapid changes taking place in Odisha, the reading list will have to be updated annually.

PO17: Environmental Economics DSE-III

This course introduces the students to the basics of environmental economics to understand the fundamentals of environmental concerns and develop insights in valuation of environment.

PO18: Dissertation / Research Project DSE-IV

The project is intended to establish the connection between Economics as confined to the text books and class rooms and Economics at play in the ground. It is expected to give an empirical content to the subject. Economics is defined as the study of mankind in the ordinary business of life. It studies individual as well as group behavior.

PO19: Indian Economy GE-I

This paper introduces the students to the essentials of Indian Economy with an intention of understanding the basic features of the Indian Economy and its planning process. It also aids in developing and insight into the agricultural and industrial development of India. The students will understand the problems and policies relating to the agricultural and industrial sectors and current challenges of Indian economy.

PO20: Indian Economy GE-II

This paper is the part II of Indian economy deals with the external sector, financial market in India, Indian public finances and economic reforms. This paper also throws some light on current challenges of Indian economy.

DEPARTMENT OF SANSKRIT
COURSE SPECIFIC OUTCOME

SEMESTER	PAPER/COURSE	NAME OF THE PAPER/COURSE	COURSE OUTCOME
SEMESTER-1	CC-1	Moral Teaching and Basics of Sanskrit	Identify the various symbolic activities of animals in short stories of Hitopadesha and get retrospective view of our own life regarding how to behave in our practical life. Identify the usage of grammar in Sanskrit and write proper Sanskrit Language.
	cc-2	Drama -1 and History of Sanskrit Literature 1	Describe creation of Kalidas and identify the principles guiding the drama form of Sanskrit Literature. Describe various creations of Sanskrit poets and authors.
	GE	Moral Teaching and Basics of Sanskrit	Identify the various symbolic activities of animals in short stories of Hitopadesha and get retrospective view of our own life regarding how to behave in our practical life. Identify the usage of grammar in Sanskrit and write proper Sanskrit Language.
Semester -2	cc-3	Drama-II and Dramaturgy	They will learn more about kalidasa's Drama and Dramaturgy theatre and acting.
	cc-4	An introduction to the Technique of Paninian Grammar & prosody	They will develop a basic understanding of Panini's grammar & Epigraphy(Puralipishastra)metre & music.
	GE	Khandakavya & Darshankavya	Describe the life & poetry creation of kalidas and they will learn Indian philosophy in Shrimad Bhagavad Gita.
Semester -3	cc-5	Poetry & History of Sanskrit Literature	Describe the life & poetry creation,History of Kalidas & they will learn about Sanskrit literature
	CC-6	Meta Rules of paninian Grammar & Translation	This course introduces the students to the initial derivational process of Sanskrit morphology base on the

			Sidhantkaumudi and learn figures of speech(Alankars)
	cc-7	Cases and case endings in paninian grammar, Translation - 1	They will learn the paninian grammar of Sidhantkaumudi- case ending. It also enables students translations skills from Sanskrit language and other languages.
	SEC -1	Communicative English	
Semester-4	cc-8	Upanishad, Ramayan Bhagavad Gita	They will developed an insight into one or more fields of specializations within the border area of ancient Indian philosophy like Ramayan , Upanishad , Gita.
	cc-9	Case & Case ending of paninian Grammar, Translation- II & Lexicon	They will learn the paninian grammar of Sidhantkaumudi- case & case endings .It also enable students to students translations skill from other language to Sanskrit language and the essay writing.
	cc-10	Orate prose in classical sanskrit	This programme will help students acquire general understanding of classical Sanskrit literature through Sanskrit prose.
	SEC-2	Quantitative Aptitude	
Semester-5	cc-11	Orate poetry in sanskrit	This programme will help students to acquire general understanding of classical Sanskrit literature through Sanskrit poetry.
	cc-12	Veda, Vedic Grammar and History of Vedic Literature	Explain and evaluate various Suktas of Vedas and uses of vedic grammar and also they will learn vedic literature.
	DSE-1	Social political Thought in Ancient india	Their study of Sanskrit texts will also help in building character and inculcation of social and political values and thus contribute to personality development.
	DSE-2	Ethical Literature in Sanskrit	They will have the relevant generic skills and professional

			competencies that are required to understand the course aims at imparting knowledge of Chanakya Niti and Nitisataka the famous collection of Bhababhuti, of verse with high ethical values.
Semester-6	cc-13	Ayurveda and Vrikshayurveda	The will help the relevant generic skills and professional competencies that are required to understand the ancient medicine system (Ayurveda) health science and also learn about plant and plantation.
	cc-14	Technical Literature in Sanskrit	They will develop insight into more fields of specialization and required to understand the traditional calendar system(Jyotish),Sanskrit Architecture Science(Vastuvidya).
	DSE-3	Translation,Editing and Writing skills	The student will demonstrate an increased ability to read , write ,and understand Sanskrit text also they will develop their translation skill and editing.
	DSE-4	Project preparation and presentation	They will have ability to develop research project/assignment including formulation of a research problem searching for source and engaging analytic discussion.

PROGRAMME OUTCOMES (PO):

The Programme has enabled UG level students of Sanskrit to be introduced with Indian age-old heritage, accumulating in the last forty centuries, exercising inexpressible impact on the life and culture of the Indians with the explicit aim of inspiring as well as uplifting qualitatively each and everyone, directly or otherwise concerned with.

PO1: Critical Thinking: Take informed actions after identifying the assumptions that frame our thinking and actions, checking out the degree to which these assumptions are accurate and valid, and looking at our ideas and decisions (intellectual, organizational, and personal) from different perspectives.

PO2: Social Interaction: Elicit views of others, mediate disagreements and help reach conclusions in group settings.

PO3: Effective Citizenship: Demonstrate empathetic social concern and equity-centered national development, and the ability to act with an informed awareness of issues and participate in civic life through volunteering.

PO4: Ethics: Recognize different value systems including their own, understand the moral dimensions of their decisions, and accept responsibility for them.

PO5: Self-directed and Life-long Learning: Acquire the ability to engage in independent and life-long learning in the broadest context of socio-technological changes.

PROGRAMME SPECIFIC OUTCOMES (PSO):

Sanskrit is a very rich language of India. It is a medium to know about ancient Indian history, culture, religion, social life through its text. The academic programmes of Sanskrit Honours Courses are designed to enhance not only professional skill but also develop a deep understanding of rich heritage and dynamic prevalent scenario of India through various Sanskrit texts.

PSO1: Develop a strong concept of ancient Indian history, philosophy and literature.

PSO2: Enhance communication skills-Listening, Speaking, Reading, Writing.

PSO3: Practice of textual analysis of Sanskrit and Vedic Sanskrit texts endows them to develop a critical perspective to assess existing research through careful reading, analysis and discussion.

PSO4: Reasonable understanding of multi-disciplinary relevance of literature of Sanskrit like Veda, Philosophy, Grammar, Kavyashastra, Dharmshastra etc.

PSO5: Create awareness about interdisciplinary perspectives of Sanskrit language.

PSO6: After graduation students can apply in the field of OPSC and UPSC. And also after Post Graduation they can apply against teaching post in schools, colleges and other educational institutions.



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: Statements of POs, PSOs & COs of all courses and programs

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1	Statements of POs, PSOs & COs of all courses and programs	

Course outcomes (Cos) of all courses of all programs offered by the institution

philosophy

Semester 1

CC-1

Course Code	CORE 1
Course Title	General philosophy
THEORY \PRACTICAL	Theory
L.T.P.C	3-1-1-6
COURSE OUTCOME	Objectives, definition, nature and function of philosophy
CO1	Philosophy in relation to other modes of science and religion
CO 2	Metaphysics on monism, pluralism ,realism,and issues on substance, universal, mind & body
CO 3	Problem of knowledge, source of knowledge –empiricism, rationalism & theories of truth
CO 4	Problem of ethics on theories of goodness and evil ,and theories of conduct
PRACTICAL	NIL

Lecture-Tutorial

CC-2

Course Code	CORE 2
Course Title	Logic and scientific method
THEORY \PRACTICAL	Theory
L.T.P.C	3-1-1-6
COURSE OUTCOME	

CO1	Definition of logic, laws of thought, Deductive and inductive arguments
CO 2	Classification of propositions from quality and quantity, Existential import of propositions
CO 3	Inference (Immediate & Mediate inference), Arguments by syllogistic rules
CO 4	Inductive Reasoning & Scientific enquiry: Causation & Mill's experimental methods
PRACTICAL	Nil

GE - A1

Course Code	GE A 1
Course Title	Symbolic logic
THEORY \PRACTICAL	Theory
L.T.P.C	3-1-1-6
COURSE OUTCOME	
CO1	Introduction on symbolic logic
CO 2	Calculus of proposition (Sec 1 to 6)
CO 3	Calculus of proposition (Sec 7 to 9)
CO 4	Appendix(Sec 1 to 4)
Practical	Nil

Lecture-Tutorial-

Semester 2

CC-3

Course Code	CORE 3
Course Title	Systems of Indian philosophy-1
THEORY \PRACTICAL	Theory
L.T.P.C	3-1-1-6
COURSE OUTCOME	
CO1	Features of Indian philosophy, concepts on rta ,rna,along with Carvaks epistemology & metaphysics
CO 2	Jainism- Syadvada, Anekantavada, Triratna
CO 3	Four noble truth , Dependant origination, Nirvana on Buddhism
CO 4	Sankhya –Dualism, Causation, Evolution ,Astanga yoga of patanjali
Practical	nil

Lecture-Tutorial

CC-4

Course Code	CORE 4
Course Title	Symbolic logic
THEORY \PRACTICAL	Theory

L.T.P.C	3-1-1-6
COURSE OUTCOME	
CO1	Introduction on symbolic logic
CO 2	Calculus of proposition (Sec 1 to 6)
CO 3	Calculus of proposition (Sec 7 to 9), Elements of predicate calculus
CO 4	Appendix(Sec 1 to 4)
Practical	Nil

GE-A2

Course Code	GE-2
Course Title	Indian philosophy
THEORY \PRACTICAL	Theory
L.T.P.C	
COURSE OUTCOME	
CO1	Features of Indian philosophy, concepts on rta ,rna,along with Carvaks epistemology & metaphysics, Jainism- Syadvada, Anekantavada,
CO 2	Four noble truth , Dependant origination, Nirvana on Buddhism
CO 3	Sankhya –Dualism, Causation, Evolution ,Astanga yoga of patanjali, Cittavrtti nirodha
CO 4	Nyaya-Theory of inference, Vaishesika- Padarthas
Practical	nil

Lecture-Tutorial-Practical-Credit

Semester 3

CC-5

Course Code	CORE 5
Course Title	Ethics
THEORY \PRACTICAL	Theory
L.T.P.C	3-1-1-6
COURSE OUTCOME	
CO1	Definition, Nature & Scope of Ethics in relation to Politics, Sociology and Religion
CO 2	Distinction between moral and non-moral action, Objectives of Moral judgement
CO 3	Theories of Morality on Hedonism,Utilitarianism, Rigorism, etc.
CO 4	Theories of punishment
Practical	nil

Lecture-Tutorial-Practical-Credit

CC-6

Course Code	CORE 6
Course Title	History of Greek Philosophy
THEORY \PRACTICAL	Theory
L.T.P.C	3-1-1-6
COURSE OUTCOME	
CO1	Nature, Origin, and Salient features of Greek thought
CO 2	Pre-Socratic Thought
CO 3	Socrates –Problem, Dialectical Method, Epistemology and Ethics
CO 4	Plato: Theory of knowledge, Idea,Soul Aristotle:Form and Matter, Causation
Practical	Nil

Lecture-Tutorial

CC-7

Course Code	CORE 7
Course Title	Systems of Indian philosophy-II
THEORY \PRACTICAL	Theory
L.T.P.C	3-1-1-6
COURSE OUTCOME	
CO1	Upanisadic view
CO 2	Nyaya theory of Inference
CO 3	Vaisheshika: Categories, Nyaya :Pramana
CO 4	Sankara & Ramanuja's view on Maya, Jiva, Brahman
Practical	nil

Lecture-Tutorial

GE - B1 EDUCATION

Course Code	GE B 1
Course Title	History of Modern European Philosophy
THEORY \PRACTICAL	Theory
L.T.P.C	3-1-1-6
COURSE OUTCOME	
CO1	Bacon: Theory of Idolas, Methods Descartes: Methods of Doubt
CO 2	Spinoza: Substance Leibnitz: Monads
CO 3	Locke: Ideas Berkeley: Idealism
CO 4	Hume: Ideas and Impression Kant: Reconciliation between Empiricism and Rationalism
Practical	Nil

Lecture-Tutorial

Semester -4

CC-8

Course Code	CORE 8
Course Title	Cotemporary of Indian Philosophy
THEORY \PRACTICAL	Theory
L.T.P.C	3-1-1-6
COURSE OUTCOME	
CO1	Tagore: God, Religion & Reality Vivekananda: Man, Universal Religion and Practical Vedanta
CO 2	Sri Aurobindo: World, Reality, Integral Yoga
CO 3	Gandhi: God, Truth, Non-Violence Dr. B.R. Ambedkar : Vision of Society
CO 4	S.Radhakrishnan: Man, Reality & Religion J.Krishna Murty : Man and Nature, Human Crisis
Practical	nil

Lecture-Tutorial

CC-9

Course Code	CORE 9
Course Title	History of Modern European Philosophy
THEORY \PRACTICAL	Theory
L.T.P.C	3-1-1-6
COURSE OUTCOME	
CO1	Bacon: Theory of Idolas, Methods Descartes: Methods of Doubt
CO 2	Spinoza: Substance Leibnitz: Monads
CO 3	Locke: Ideas Berkeley: Idealism Hume: Ideas and Impression
CO 4	Kant: Reconciliation between Empiricism and Rationalism, Synthetic judgment
Practical	nil

Lecture-Tutorial

CC-10

Course Code	CORE 10
Course Title	Philosophy of Language
THEORY \PRACTICAL	Theory
L.T.P.C	3-1-1-6
COURSE OUTCOME	
CO1	Word Meaning
CO 2	Definitions
CO 3	Sentence Meaning
CO 4	Concept & Truth
Practical	nil

Lecture-Tutorial

GE-B2

Course Code	GE B2
Course Title	Ethics : Theory and Practice
THEORY \PRACTICAL	Theory
L.T.P.C	3-1-1-6
COURSE OUTCOME	
CO1	Definition, Nature & Scope of Ethics
CO 2	Distinction between moral Judgement, Objectives of Moral judgement
CO 3	Theories of Morality on Hedonism,Utilitarianism, Rigorism, etc.
CO 4	Environmental Ethics
Practical	nil

Lecture-Tutorial

Semester -5

CC-11

Course Code	CORE 11
Course Title	Western Classics: Meditations of Rene Descartes
THEORY \PRACTICAL	Theory
L.T.P.C	3-1-1-6
COURSE OUTCOME	
CO1	Meditation I Meditation II
CO 2	Meditation III
CO 3	Meditation IV
CO 4	Meditation VI
Practical	Seminar presentation on a topic of the course

Lecture-Tutorial-Practical

Core-12

Course Code	CORE 12
Course Title	Indian Text: ISA Upanishad
THEORY \ PRACTICAL	Theory
L.T.P.C	3-1-1-6
COURSE OUTCOME	
CO1	Place of Upanishad in Indian Philosophy
CO 2	Mantra 1 to 9
CO 3	Mantra 10 to 14
CO 4	Mantra 15 to 18
Practical	nil

Lecture-Tutorial-Practical

Discipline Specific Electives 1

Course Code	DSE 1
Course Title	Philosophy of Bhagavad Gita
THEORY \PRACTICAL	Theory and Practical
L.T.P.C	3-1-1-6
COURSE OUTCOME	
CO1	Dharma
CO 2	Classification of Karma, Relation to Karma yoga & Jnana Yoga
CO 3	Distinction between Jnana and Vijnana
CO 4	Bhakti Yoga
Practical	nil

Lecture-Tutorial-Practical

Discipline Specific Electives 2

Course Code	DSE 2
Course Title	Philosophy of Religion
THEORY \PRACTICAL	Theory
L.T.P.C	3-1-1-6
COURSE OUTCOME	

CO1	Judaic- Christian Concept of God
CO 2	Grounds for Belief against God
CO 3	The Problem of Evil
CO 4	Problems of Religious Language
Practical	nil

Lecture-Tutorial-Practical

CERTIFICATE COURSE

Course Code	
Course Title	
THEORY \PRACTICAL	
L.T.P.C	
COURSE OUTCOME	
CO1	
CO 2	

Semester -6

CC-13

Course Code	CORE 13
Course Title	Social and Political Philosophy
THEORY \PRACTICAL	Theory
L.T.P.C	3-1-1-6
COURSE OUTCOME	
CO1	Social Science and Social Laws
CO 2	Political Ideals
CO 3	Democratics Ideals
CO 4	Political Ideologies
Practical	nil

Lecture-Tutorial-Practical

CC-14

Course Code	CORE 14
Course Title	Applied Ethics
THEORY \PRACTICAL	
L.T.P.C	3-1-1-6
COURSE OUTCOME	
CO1	Nature and Scope of Applied Ethics
CO 2	Taking Life: Animals and Humans
CO 3	Environmental Ethics

CO 4	Business Ethics and Bio- Medical Ethics
Practical	nil

Lecture-Tutorial-Practical

DSE 3

Course Code	DSE - 13
Course Title	Gandhian Studies
THEORY \PRACTICAL	Theory
L.T.P.C	3-1-1-6
COURSE OUTCOME	
CO1	Gandhi's Concept of a Just Society
CO 2	Gandhi's Idea of Social Engineering
CO 3	Social Ideals of Gandhi
CO 4	Method of Social Action++6
Practical	nil

Lecture-Tutorial-Practical

DSE 4

Course Code	DSE 4
Course Title	RESEARCH PROJECT
PRACTICAL	Practical
L.T.P.C	3-1-1-6
COURSE OUTCOME	

PROGRAMME OUTCOME OF PHILOSOPHY

Philosophy is the study of general and fundamental problem of the universe. To explore the core meaning of everything like existence, values, knowledge, reason, mind and language are the main task of philosopher. It is the mother discipline. It is an attempt to both introduce at the same time, provide an in depth look into one of the most challenging subject that one can study. It introduces the ideas and philosophy of great philosopher of both west and east. It explains the comprehensive sweep of both Indian and Western Philosophy. Its study includes current thoughts of ethics like Bioethics and Business ethics. The core idea of the honors course is to make the students aware of the foundation of national issues related to the world around us, whether it is in our life or regarding mind, matter or existence or belief or religion or science. Philosophy is vast in its scope and intensity.

Different aspects incorporated in UG syllabus of Philosophy:

1. Indian Philosophy
2. History of Greek Philosophy
3. General Philosophy
4. History of Modern European Philosophy
5. Contemporary Indian Philosophy
6. Traditional Ethics
7. Applied Ethics
8. Logic and Scientific Method
9. Symbolic Logic
10. Gandhian Studies
11. Upanishad
12. Bhagawadgita
13. Philosophy of Religion

Programme Specific Outcomes:

1. To read and discuss the value of studying these aspects
2. To evaluate the significance of understanding life
3. To learn about life and enhance capacity of knowing and understanding.
4. To aim to be a man in true sense and lead a meaningful life.
5. To develop the valuable attitude towards life and career.
6. To see always the bright side of everything.

Scope for further studies;

After completion of graduation in Philosophy a student can pursue the following higher studies:

Post graduation in Philosophy, Law, MBA, Bed, Police and probation services, Local and central Govt., Social and Market research, Charitable and voluntary organisations, Public relation, Journalism, Cinema industry and communication, Marketing, Employment opportunities:

Lawyer, Management consultant, Journalist, Policy Analyst, Academia and Research, Business Analyst, Job prospectus in Govt. Sectors like; UPSC, OPSC, SSB, CIVIL SERVICES OF BOTH STATE AND CENTRE, RESEARCH ASSISTANT IN UNIVERSITIES AND DIFFERENT ORGANISATION



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2.6.1 Programme outcomes and course outcomes for all Programmes offered by the institution are stated and displayed on website and communicated to teachers and students

INDEX

: Statements of POs, PSOs & COs of all courses and programs

Sl.no		
1	Statements of POs, PSOs & COs of all courses and programs	

Course outcomes (Cos) of all courses of all programs offered by the institution.

POLITICAL SCIENCE

Semester 1

CC-1

Course Code	CORE 1
Course Title	Understanding Political Theory
THEORY \\PRACTICAL	Theory
L.T.P.C	4-2-0-6
COURSE OUTCOME	
CO1	Understand the meaning, nature, scope and approaches of political theory
CO 2	To understand critical and contemporary perspectives in political theory
CO 3	To know about political theory and practice
CO 4	Understand the grammar of Democracy

Lecture-Tutorial-Practical-Credit

CC-2

Course Code	CORE 2
Course Title	Constitutional Government and Democracy in India
THEORY \\PRACTICAL	Theory
L.T.P.C	4-2-0-6
COURSE OUTCOME	
CO1	Understand the philosophy of Indian Constitution and know about its salient features
CO 2	Know about the various organs of the Government
CO 3	Understand the relationship between Centre and states
CO 4	Know about panchayat raj institution: composition, powers and functions of Gram panchayat, Panchayat samite and Zilaparishad

Lecture-Tutorial-Practical-Credit

GE - A1

Course Code	GE A 1
Course Title	Feminism: Theory and Practice
THEORY \\PRACTICAL	Theory
L.T.P.C	4-2-0-6
COURSE OUTCOME	
CO1	Understanding the contemporary debates on Feminism and the history of the feminist struggle
CO 2	Develop an understanding of liberal feminism, socialist feminism, radical feminism and Eco- Feminism
CO 3	Know about Feminist issues and women's participation: the Indian experience
CO 4	Develop the idea about Family in contemporary India and understanding women's work and labor

Lecture-Tutorial-Practical-Credit

Semester 2

CC-3

Course Code	CORE 3
Course Title	POLITICAL THEORY – CONCEPTS AND DEBATES
THEORY \\PRACTICAL	Theory
L.T.P.C	4-2-0-6
COURSE OUTCOME	
CO1	Understanding the importance of Freedom
CO 2	Know about justice its meaning and types, procedural justice, distributive justice and global justice
CO 3	Developed ideas about Rights: meaning, natures and types
CO 4	Understanding political obligations, cultural relativism and multiculturalism

Lecture-Tutorial-Practical-Credit

CC-4

Course Code	CORE 4
Course Title	POLITICAL PROCESS IN INDIA
THEORY \\PRACTICAL	Theory
L.T.P.C	4-2-0-6
COURSE OUTCOME	
CO1	Understand party system, voting behavior and Election commission of India
CO 2	Understand Regionalism, Secularism, communalism and its impact on Indian politics
CO 3	Understand caste and its impact on Indian politics
CO 4	Develop the understanding of changing nature of the Indian states

Lecture-Tutorial-Practical-Credit

GE-A2

Course Code	GE 2
Course Title	GOVERNANCE ISSUES AND CHALLENGES
THEORY \PRACTICAL	Theory
L.T.P.C	4-2-0-6
COURSE OUTCOME	
CO1	Understand Governance: meaning and definitions, nature and its types and Know about the role of the state in the era of Globalization
CO 2	Develop the ideas about Good Governance and sustainable development
CO 3	Know about the Democratic Decentralization and the Institution of local Governance
CO 4	Know about the Good Governance initiatives in India like Citizen Charter, e-Governance and RTI

Lecture-Tutorial-Practical-Credit

Semester 3

CC-5

Course Code	CORE 5
Course Title	INTRODUCTION TO COMPARATIVE GOVERNMENT AND POLITICS
THEORY \PRACTICAL	Theory
L.T.P.C	4-2-0-6
COURSE OUTCOME	
CO1	Understand the meaning, nature, scope and approaches of Comparative Politics
CO 2	Know about the Capitalism and Globalization and its impacts
CO 3	Understand about Socialism and Colonialism and its different forms
CO 4	Know about different Governmental system in the countries like USA and China

Lecture-Tutorial-Practical-Credit

CC-6

Course Code	CORE 6
Course Title	INTRODUCTION TO PUBLIC ADMINISTRATION
THEORY \\PRACTICAL	Theory
L.T.P.C	4-2-0-6
COURSE OUTCOME	
CO1	Understand the meaning, scope and significant of Public Administration
CO 2	Know about Scientific management theory, Ideal-types of Bureaucracy and Administrative Management theory
CO 3	Develop ideas about Human relation theory, Rational Decision making theory and Ecological Approach
CO 4	Know about Public Policy concepts and major approaches to Public Administration

Lecture-Tutorial-Practical-Credit

CC-7

Course Code	CORE 7
Course Title	PERSPECTIVE ON INTERNATIONAL RELATION
THEORY \\PRACTICAL	Theory
L.T.P.C	4-2-0-6
COURSE OUTCOME	
CO1	Understand the concept of International Relation: meaning, scope and evaluation
CO 2	Know about Classical Realism and Neo- Realism
CO 3	Understand the causes and consequences of W.W.-I and W.W.-II
CO 4	Know about the Cold War and its phases along with the emergence of Third world

Lecture-Tutorial-Practical-Credit

GE - B1

Course Code	GE B 1
Course Title	Feminism: Theory and Practice
THEORY \\PRACTICAL	Theory
L.T.P.C	4-2-0-6
COURSE OUTCOME	
CO1	Understanding the contemporary debates on Feminism and the history of the feminist struggle
CO 2	Develop an understanding of liberal feminism, socialist feminism, radical feminism and Eco- Feminism
CO 3	Know about Feminist issues and women's participation: the Indian experience
CO 4	Develop the idea about Family in contemporary India and understanding women's work and labor

Lecture-Tutorial-Practical-Credit

Semester -4

CC-8

Course Code	CORE 8
Course Title	POLITICAL PROCESSES AND INSTITUTIONS IN COMPARATIVE PERSPECTIVE
THEORY \\PRACTICAL	Theory
L.T.P.C	4-2-0-6
COURSE OUTCOME	
CO1	Understanding Political culture and New Institutionalism: meaning, types and relevance
CO 2	Know about elections and types of the election system and party system in India
CO 3	Develop the ideas about Nation- state, Debates in Post- colonial contexts
CO 4	Understanding Democratization in Post- colonial contexts

Lecture-Tutorial-Practical-Credit

CC-9

Course Code	CORE 9
Course Title	PUBLIC POLICY AND ADMINISTRATION IN INDIA
THEORY \PRACTICAL	Theory
L.T.P.C	4-2-0-6
COURSE OUTCOME	
CO1	Understanding about Public policy: meaning, types and models
CO 2	Know about Concept of Decentralization: meaning, significant and types
CO 3	Know about concepts and significant of Budget and Social welfare policies
CO 4	Understanding about the public service delivery system, RTI, Lokpal, Citizen's Charter and e- Governance

Lecture-Tutorial-Practical-Credit

CC-10

Course Code	CORE 10
Course Title	GLOBAL POLITICS
THEORY \PRACTICAL	Theory
L.T.P.C	4-2-0-6
COURSE OUTCOME	
CO1	Understanding Globalization and its Alternative perspectives, Anchors of Global political Economy: IMF and WTO
CO 2	Know about Political Debates on Sovereignty and Territoriality, Global Resistances and Ecological Issues
CO 3	Understand the concept of proliferation of nuclear weapons, Nuclear Disarmament and state Terrorism
CO 4	Understand the concept of Migration and Human Security

Lecture-Tutorial-Practical- Credit

GE-B2

Course Code	GE B2
Course Title	GOVERNANCE ISSUES AND CHALLENGES
THEORY \\PRACTICAL	Theory
L.T.P.C	4-2-0-6
COURSE OUTCOME	
CO1	Understand Governance: meaning and definitions, nature and its types and Know about the role of the state in the era of Globalization
CO 2	Develop the ideas about Good Governance and sustainable development
CO 3	Know about the Democratic Decentralization and the Institution of local Governance
CO 4	Know about the Good Governance initiatives in India like Citizen Charter, e-Governance and RTI

Lecture-Tutorial-Practical-Credit

Semester -5

CC-11

Course Code	CORE 11
Course Title	WESTERN POLICAL PHILOSOPHY
THEORY \\PRACTICAL	Theory
L.T.P.C	4-2-0-6
COURSE OUTCOME	
CO1	Understanding about Plato's Theory of Justice, Education and communism of wives and privet property and also know about Aristotle's concept of classification of Government
CO 2	Understanding Machiavelli's views on Human nature, Morality and Region and forms of government and also Hobbes's views on Human nature, state of nature and social contract etc...
CO 3	Understand about Locke and Rousseau views on: Human nature, state of nature and social contract theory
CO 4	Know about Mill's views on liberty, utilitarianism, equal rights for women and representative governments and also know about Marx's views on dialectic materialism, historical materialism, class conflict and surplus value and theory of Alienation

Lecture-Tutorial-Practical- Credit

Core-12

Course Code	CORE 12
Course Title	INDIAN POLITICAL THOUGHT (ANCIENT AND MEDIAVAL)
THEORY \PRACTICAL	Theory
L.T.P.C	4-2-0-6
COURSE OUTCOME	
CO1	Understanding about the Brahmanic, Shramanic, Islamic and Syncretic Traditions
CO 2	Know about Ved Vyasa and Manu
CO 3	Understanding Kautilya: Theory of state, Foreign policy and the role of king, Aggannasutta's theory of kingship and Barani's Ideal polity
CO 4	Develop ideas about AbulFazal's Akbarnama, monarchy, concept of justice and administration and also know about Kabir's views on Utopia and philosophy of syncretism

Lecture-Tutorial-Practical-Credit

Discipline Specific Electives 1

Course Code	DSE 1
Course Title	INTRODUCTION TO HUMAN RIGHTS
THEORY \PRACTICAL	Theory
L.T.P.C	4-2-0-6
COURSE OUTCOME	
CO1	Develop the ideas about Human rights and the generations of rights
CO 2	Know about Universal Declaration of Human Rights (UDHR)
CO 3	Understanding the concept of Human rights in the constitution of South Africa and India
CO 4	Know about International Refugee Law and International Humanitarian Law

Lecture-Tutorial-Practical- Credit

Discipline Specific Electives 2

Course Code	DSE 2
Course Title	DEVELOPMENT PROCESS AND SOCIAL MOVEMENTS IN CONTEMPORARY INDIA
THEORY \PRACTICAL	Theory
L.T.P.C	4-2-0-6
COURSE OUTCOME	
CO1	Understanding the concept of the welfare state, role of planning commission , development in the era of Liberalization and reform and NITI Ayog
CO 2	Know about development strategy and its impact on social structure
CO 3	Know about Social movements: its meaning and approaches, New Social movements, Women's movement and Environmental movement
CO 4	Understanding the concept of Dalit movement, Tribal movement and Farmer movements

Lecture-Tutorial-Practical- Credit

Semester -6

CC-13

Course Code	CORE 13
Course Title	CONTEMPORARY POLITICAL PHILOSOPHY
THEORY \PRACTICAL	Theory
L.T.P.C	4-2-0-6
COURSE OUTCOME	
CO1	Understanding Lenin's view on Imperialism, Political party and revolution
CO 2	Know about Mao Zedong's view on Revolution and ideas of Communism
CO 3	Know about Antonio Gramsci's views on civil society and Hegemony
CO 4	Develop knowledge about the ideas of John Rawls's theory of justice

Lecture-Tutorial-Practical- Credit

CC-14

Course Code	CORE 14
Course Title	MODERN INDIAN POLITICAL THOUGHT
THEORY \\PRACTICAL	Theory
L.T.P.C	4-2-0-6
COURSE OUTCOME	
CO1	Understanding the concept of Ram Mohan Roy, Pandita Rambai and Swami Vivekananda
CO 2	Develop idea about Gandhi and Ambedkar
CO 3	Know about Tagore and Savarkar
CO 4	Know about Nehru, Lohia and J.P. Narayan

Lecture-Tutorial-Practical- Credit

DSE 3

Course Code	DSE –13
Course Title	INDIA’S FOREIGN POLICYIN A CHANGING WORLD
THEORY \\PRACTICAL	Theory
L.T.P.C	4-2-0-6
COURSE OUTCOME	
CO1	Understanding the concept of India’s Foreign policy in changing world
CO 2	Know about India’s Relation with USA and Russia
CO 3	Know about India-China Relation and India and South Asia
CO 4	Understanding the concept of India and contemporary world

Lecture-Tutorial-Practical- Credit

DSE 4

Course Code	DSE 4
Course Title	RESEARCH PROJECT
PRACTICAL	Practical
L.T.P.C	4-1-1-6
COURSE OUTCOME	

PROGRAMME OUTCOMES:

Political Science undergraduate program was born out of recognition of the increasing significance of cross-disciplinary studies in the social sciences. The program is organized around the combined perspectives and analytical tools of Sociology, Political Science, International Relations, and History.

1. Develop knowledge of theories, concepts, and research methods in humanities and social sciences.
2. Assess how global, national and regional developments affect society.
3. The Political Science degree furnishes the students with a unique multidisciplinary approach in social sciences and prepares them for further academic study and for careers in the public and the private sector.

PROGRAMME SPECIFIC OUTCOMES

1. Understand the world, country, society and have awareness of ethical problems, social rights, values and responsibility to the self and to others.
2. Understand and follow changes in patterns of political behavior, ideas and structures. Develop the ability to make logical inferences about social and political issues based on comparative and historical knowledge.
3. Take individual and team responsibility, function effectively and respectively as an individual and a member or a leader of a team; and have the skills to work effectively in multi-disciplinary teams.
4. Know how to access and evaluate data from various sources of information.