

Shree Jayendrapuri Arts and Science College, Bharuch

(RE-ACCREDITED BY NAAC WITH "B" GRADE WITH A CGPA OF 2.81)

Old National Highway No.8, BHARUCH – 392001, Gujarat – India

Ph No. : (O) (02642) 249802, 228812

MobNo.9428106650 (Principal)



E-mail : jayendrapuricollege@yahoo.in

Website: www.jpcollege.net

PROGRAMME OUTCOMES (PO)/PROGRAMME SPECIFIC OUTCOMES (PSO)/ COURSE OUTCOMES (CO) FOR UNDERGRADUATE PROGRAMMES

On the completion of an Undergraduate Programme in Arts and Science from Shree Jayendrapuri Arts and Science College, Bharuch, a learner would have obtained the following:

PO	Name of the PO	Description of the PO
1	Critical Thinking	Ability to 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
2	Effective Communication	Ability to speak, read, write and listen clearly in person and through electronic media in English and in one Indian language, and make meaning of the world by connecting people, ideas, books, media and technology
3	Effective Citizenship	Ability to 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
4	Environment and Sustainability	Ability to understand the issues of environmental contexts and sustainable development
5	Ethical Living	Ability to recognize different value systems including your own, understand the moral dimensions of your decisions, and accept responsibility for them

Bachelor of Arts - Economics

Programme Outcome (PO):

PO-1 Students learn the perfect combination of numbers and words, problems and essays, calculations and interpretations. It is both an art and a social science subject.

PO-2 Students have the opportunity to build models which give insights into the real world, and then to critique these models on the basis of their assumptions. There is rarely a right answer in economics but any argument put forward must be backed up by quantitative evidence.

PO-3 Students ultimately enjoy and develop analytical and evaluative skills. Economics plays a key role in all aspect of life and is an important subject worth knowing more about. So far as creating vocational abilities are concerned.

PO-4 The programme enables students to get a job in various fields and government and nongovernment sectors. They can be entrepreneurs as well.

Programme Specific Outcome (PSO)

PSO-1 Help us answer many big questions such as why some countries are rich while others are poor;

PSO-2 Why men earn more than women; how data can help us make sense of world;

PSO-3 What causes recessions; including dealing with shortage of raw materials;

PSO-4 Working out how wealth is distributed and redistributed within society; determining the extent to which the government should intervene in the economy; and using principles and measures such as opportunity cost, social efficiency, forecast and evaluation.

PSO-5 The students are provided with practical training through teaching and study circle activities as well.

PSO-6 They can explore an issue or topic of current affairs, analyze and find solutions to social, political or community problems, generate ideas or suggest courses of action, increase the knowledge, develop deeper understanding through discussion, they can have meaningful and productive dialogue, have practical exposure through industrial visit and rural visit.

PSO-7 The program creates various job opportunities. The students can become an accountant, Actuarial analyst, Data analyst, Economist, Economic Researcher, Financial Consultant, Financial Planner, Financial Risk Analyst, Forensic Accountant, Income Tax Officer, Indian Economic Service, Investment analyst, Statistician, Stock Broker, Business Development Manager, Civil Service Fast Streamer, Data Scientist, Diplomatic Service Officer, Local Government Officer, Management Consultant, Policy Officer, Quantity Surveyor and so on.

Course Outcomes (CO):

DEPARTMENT OF ECONOMICS
Name of the Class: Bachelor of Arts (Semester – I)
Name of the Paper: Economics (Core and Elective): Paper-I (Introduction to Economics - I)
Total Credits: 03
CO1: To introduce the learner to economics and state its importance.
CO2: To undertake a study of the market and consumer behavior.

Name of the Class: Bachelor of Arts (Semester – I)
Name of the Paper: Economics (Core and Elective): Paper-II (Indian Economy)
Total Credits: 03

CO1: To enable the students to have an understanding of the various issues of the Indian Economy.

CO2: To enable the students to comprehend and critically appraise current issues and problems of Indian economy.

Name of the Class: Bachelor of Arts (Semester –II)

Name of the Paper: Economics (Core and Elective): Paper-III (Introduction to Economics - II)

Total Credits: 03

CO1: To enable the students to understand the basic concepts of Development and Growth.

CO2: It also intends to provide the theoretical framework for growth and development discourses under different schools of economic thought.

Name of the Class: Bachelor of Arts (Semester –II)

Name of the Paper: Economics (Core and Elective): Paper-IV (Indian Economic System)

Total Credits: 03

CO1: Introduction to the Indian economy as an agrarian economy.

CO2: Introduction to Small Scale Industry and their importance in Indian economy.

Name of the Class: Bachelor of Arts (Semester –III)

Name of the Paper: Economics (Interdisciplinary Subject): Paper- Population Education

Total Credits: 03

CO1: To enable the students to know the meaning of Population Education.

CO2: It also provides an insight into the principles of population.

Name of the Class: Bachelor of Arts (Semester –III)

Name of the Paper: Economics (Core and Elective): Paper-V (Money and Banking)

Total Credits: 03

CO1: To enable the students to know the evolution and role of money in the economy.

CO2: It also provides an insight into the innovative role of banks in the changing economic set up.

Name of the Class: Bachelor of Arts (Semester –III)

Name of the Paper: Economics (Core and Elective): Paper-VI (Indian Economy)

Total Credits: 03

CO1: To enable the students to know the importance of investment and natural resources.

CO2: To understand the importance of planning undertaken by the government of India.

Name of the Class: Bachelor of Arts (Semester –III)
Name of the Paper: Economics (Core Course): Paper-VII (The History of Economic Thought)
Total Credits: 03
CO1: It intends to provide the theoretical framework for growth and development discourses under different schools of economic thought.
CO2: Introducing the concepts of the leading economists.

Name of the Class: Bachelor of Arts (Semester –IV)
Name of the Paper: Economics (Interdisciplinary Subject): Paper- Population Education
Total Credits: 03
CO1: To enable the students to know the reasons behind population explosion
CO2: To enable the students to know the ways and means to curb population explosion.

Name of the Class: Bachelor of Arts (Semester –IV)
Name of the Paper: Economics (Core & Elective): Paper-VIII (Public Economics)
Total Credits: 03
CO1: To provide basic information to students on the scope, significance and functions of government.
CO2: A general understanding about fiscal policy and its various instruments.
CO-3: To give an awareness about budgeting with special reference to India

Name of the Class: Bachelor of Arts (Semester –IV)
Name of the Paper: Economics (Core & Elective): Paper-IX (Indian Economics)
Total Credits: 03
CO1: To provide information to students on the various aspects of National and International Economic policies.
CO2: To make the students aware of the different economic problems of India.

Name of the Class: Bachelor of Arts (Semester –IV)
Name of the Paper: Economics (Core Course): Paper-X (The History of Economic Thought)
Total Credits: 03
CO1: To learn and discuss, at an advanced undergraduate level, how the economic thought has evolved over time.
CO2: To understand specific contributions on themes of economic analysis and concerning figures of economists still important in the international economic debate at the international level, through selected readings of their texts.

Name of the Class: Bachelor of Arts (Semester –V)
Name of the Paper: Economics (Core Course): Paper-XI (Macro Economics)
Total Credits: 03
CO1: Explain the expenditure and income approach of GDP calculation.
CO2: To explain the economic changes that affects many households, firms, and markets at once.

Name of the Class: Bachelor of Arts (Semester –V)
Name of the Paper: Economics (Core Course): Paper-XII (Economics of Growth and Development)
Total Credits: 03
CO1: To enable the students to understand the basic concepts of Development and Growth.
CO2: It also intends to provide the theoretical framework for growth and development discourses under different schools of economic thought and a better insights and knowledge on issues and challenges on economic development.

Name of the Class: Bachelor of Arts (Semester –V)
Name of the Paper: Economics (Core Course): Paper-XIII (International Economics)
Total Credits: 03
CO1: To understand the basic concepts of international trade.
CO2: To enable the students to have a basic understanding of the emerging trend, issues and policies in the field of international economic system.

Name of the Class: Bachelor of Arts (Semester –V)
Name of the Paper: Economics (Core Course): Paper-XIV (Regional Economics)
Total Credits: 03
CO1: To understand the economic issues related to a particular region of a nation
CO2: To enable the students to have a basic understanding of the principles of identifying an industrial location.

Name of the Class: Bachelor of Arts (Semester –V)
Name of the Paper: Economics (Core Course): Paper-XV (Business Economics)
Total Credits: 03
CO1: Familiarize with the nature of business environment and its components
CO2: The students will be able to demonstrate and develop conceptual framework of business environment and generate interest in international business.

Name of the Class: Bachelor of Arts (Semester –V)
Name of the Paper: Economics (Core Course): Paper-XVI (Money and Banking)
Total Credits: 03
CO1: It provides basic understanding about the nature and significance of money.
CO2: It gives a narration about the banking structure and its functioning of an economy.

Name of the Class: Bachelor of Arts (Semester –VI)
Name of the Paper: Economics (Core Course): Paper-XVII (Macroeconomics)
Total Credits: 03
CO1: It provides basic understanding about the relationship between demand and supply.
CO2: To study the factors influencing Indian economy.

Name of the Class: Bachelor of Arts (Semester –VI)
Name of the Paper: Economics (Core Course): Paper-XVIII (Economics of Growth and Development)
Total Credits: 03
CO1: It intends to provide the theoretical framework for growth and development discourses under different schools of economic thought and a better insights and knowledge on issues and challenges on economic development.
CO2: To enable the students to understand the basic concepts of Development and Growth.

Name of the Class: Bachelor of Arts (Semester –VI)
Name of the Paper: Economics (Core Course): Paper-XIX (International Economics)
Total Credits: 03
CO1: To familiarize the student with the main economic theories and models of international trade.
CO2: To enable the student to apply economic reasoning to issues of the day surrounding globalization.

Name of the Class: Bachelor of Arts (Semester –VI)
Name of the Paper: Economics (Core Course): Paper-XX (Regional Economics)
Total Credits: 03
CO1: To familiarize the student with the problems of urbanization.
CO2: To enable the student to study the reasons behind inter-regional migration.

Name of the Class: Bachelor of Arts (Semester –VI)
Name of the Paper: Economics (Core Course): Paper-XXI (Business Economics)
Total Credits: 03
CO1: To integrate the concept of price and output decisions of firms under various market structure.
CO2: To analyze the causes and consequences of different market conditions.

Name of the Class: Bachelor of Arts (Semester –VI)
Name of the Paper: Economics (Core Course): Paper-XXII (Financial Economics)
Total Credits: 03
CO1: It intends to familiarize the students with the basic concepts in financial economics.
CO2: To develop comprehensive knowledge on the role of finance in the operation of an economy.

Bachelor of Arts - English

Programme Outcome (PO)

PO-1 The Programme deals with Literature, Language, Phonetics, phonology, morphology, lexis, semantics and pragmatics in detail so as to enable students to have mastery over all language skills and in depth understanding of all the aspects of the language.

PO-2 English, being an international language and a language of Science, technology, business and communication in multilingual Indian context, provides tremendous opportunities in every vocational field in India and abroad.

PO-3 Apart from the lingual knowledge and language skills the Programme develops intellectual, personal and professional abilities through effective communicative skills and ensures high standard of behavioral attitude through literary subjects. Moreover

PO-4 it also shapes the students as socially responsible citizens.

Programme Specific Outcome (PSO)

PSO-1 The Programme enables students to acquire a sound comprehension of literary, societal, cultural, biographical and historical background of the greatest writings in British, American and Indian English Literature

PSO-2 It also provides adequate information on colonization and postwar consequences through the literary, societal, cultural, biographical and historical background of the greatest writings in Commonwealth literature.

PSO-3 It peeps into the history of English Language and varied components of linguistic structures of the language.

PSO-4 The Programme ensures that the students master all four language skills and become effective communicators with in depth knowledge of cultural aspects of the language enabling them to use variety of structures in any given situation.

PSO-5 They can apply critical frameworks to analyze the linguistic, cultural and historical background of texts written in English.

PSO-6 They will be familiar with the conventions of diverse textual genres including fiction, non-fiction, poetry, autobiography, biography, Journal, film, plays and so on.

Course Outcomes (CO)

DEPARTMENT OF ENGLISH
Name of the Class: Bachelor of Arts/ Bachelor of Science (Semester – I)
Name of the Paper: Core Compulsory in English – Written and Spoken Communication
Name of the Text: <i>Spectrum</i> (Macmillan)
Total Credits: 03
CO1: To acquaint the learner with the forms of literature such as poetry and prose.
CO2: To sensitize the learner towards the Written and Spoken aspect of the English language by teaching them Paragraph Writing, Email writing and Dialogue Writing.

Name of the Class: Bachelor of Arts (Semester – I)
Name of the Paper: Core Compulsory in English – Language through Literature
Name of the Text: <i>Prelude</i> (Orient Black Swan)
Total Credits: 03
CO1: To acquaint the learner with the forms of literature such as poetry and prose.
CO2: The student is able to learn certain aspects of English Grammar and is also introduced to Soft Skills.

Name of the Class: Bachelor of Arts/ Bachelor of Science (Semester – II)
Name of the Paper: Core Compulsory in English – Written and Spoken Communication
Name of the Text: <i>Spectrum</i> (Macmillan)
Total Credits: 03
CO1: To acquaint the learner with the forms of literature such as poetry and prose.
CO2: To improve the Written and Spoken skills of the student by teaching them Writing Business emails, Paragraph Writing and Dialogue Writing.

Name of the Class: Bachelor of Arts (Semester – II)
Name of the Paper: Core Compulsory in English – Language through Literature
Name of the Text: <i>Prelude</i> (Orient Black Swan)
Total Credits: 03
CO1: To acquaint the learner with the forms of literature such as poetry and prose.

CO2: The student is able to learn certain aspects of English Grammar and is also introduced to Soft Skills such as Dialogue Writing and Self Introduction.

Name of the Class: Bachelor of Arts/ Bachelor of Science (Semester – III)
Name of the Paper: Core Compulsory in English – Written and Spoken Communication
Name of the Text: <i>English in Use</i> (Macmillan)
Total Credits: 03
CO1: To acquaint the learner with the forms of literature such as poetry and prose.
CO2: The student learns functional writing skills especially preparing a questionnaire and report

Name of the Class: Bachelor of Arts (Semester – III)
Name of the Paper: Core Compulsory in English – Language through Literature
Name of the Text: <i>Symphony of Prose and Poetry</i> (Orient Black Swan)
Total Credits: 03
CO1: To acquaint the learner with the forms of literature such as poetry and prose.
CO2: The student is able to learn certain aspects of English Grammar and is also introduced to Soft Skills such as essay writing.

Name of the Class: Bachelor of Arts/ Bachelor of Science (Semester – IV)
Name of the Paper: Core Compulsory in English – Written and Spoken Communication
Name of the Text: <i>English in Use</i> (Macmillan)
Total Credits: 03
CO1: To acquaint the learner with the forms of literature such as poetry and prose.
CO2: The student learns functional writing skills especially preparing a CV and Review writing.

Name of the Class: Bachelor of Arts (Semester – IV)
Name of the Paper: Core Compulsory in English – Language through Literature
Name of the Text: <i>Symphony of Prose and Poetry</i> (Orient Black Swan)
Total Credits: 03
CO1: To introduce the students to the concepts, fundamentals and tools of communication.
CO2: To learn the technique of writing report and to polish the standard of grammar.

Name of the Class: Bachelor of Arts/ Bachelor of Science (Semester –V)
Name of the Paper: Core Compulsory in English – Written and Spoken Communication
Name of the Text: <i>Gems of Wisdom</i> (Macmillan)
Total Credits: 03
CO1: To acquaint the learner with the forms of literature such as poetry and prose.
CO2: The student learns functional writing skills especially preparing a Presentation

CO3: The student learns Interview Skills thereby enhancing their employability.

Name of the Class: Bachelor of Arts (Semester – V)
Name of the Paper: Core Compulsory in English – Language through Literature
Name of the Text: <i>Elixir</i> (Orient Black Swan)
Total Credits: 03
CO1: To acquaint the learner with the forms of literature such as poetry and prose.
CO2: The student is able to learn certain aspects of English Grammar.
CO3: The student learns to enhance Communication Skills especially writing formal letters.

Name of the Class: Bachelor of Arts/ Bachelor of Science (Semester –VI)
Name of the Paper: Core Compulsory in English – Written and Spoken Communication
Name of the Text: <i>Gems of Wisdom</i> (Macmillan)
Total Credits: 03
CO1: To acquaint the learner with the forms of literature such as poetry and prose.
CO2: To introduce the students to the concepts, fundamentals and tools of communication
CO3: To learn the technique of Speech Writing and Group Discussion.

Name of the Class: Bachelor of Arts (Semester – VI)
Name of the Paper: Core Compulsory in English – Language through Literature
Name of the Text: <i>Elixir</i> (Orient Black Swan)
Total Credits: 03
CO1: To acquaint the learner with the forms of literature such as poetry and prose.
CO2: The student is able to learn certain aspects of English Grammar.
CO3: The student learns to enhance Communication Skills especially writing Curriculum Vitae.

Name of the Class: Bachelor of Arts (Semester – I)
Name of the Paper: English (Core and Elective): Paper-I – Introducing Literary Forms: Poetry
Name of the Text: 1. <i>Honey Dew: An anthology of Prose, Poetry and One-act Plays</i> (Orient Black Swan) 2. <i>A Companion to Literary Forms</i> – Padmaja Ashok (Orient Black Swan)
Total Credits: 03
CO1: The student is able to understand the poetry form and its distinguishing features.
CO2: The student is introduced to the various types of poetry.
CO3: The student learns the different figures of speech and to apply them to the study of poetry.

Name of the Class: Bachelor of Arts (Semester – I)
Name of the Paper: English (Core and Elective): Paper-II – Introducing Literary Forms: Drama
Name of the Text: 1. <i>Honey Dew: An anthology of Prose, Poetry and One-act Plays</i> (Orient Black Swan)

2. <i>A Companion to Literary Forms</i> – Padmaja Ashok (Orient Black Swan)
Total Credits: 03
CO1: The student is able to understand the drama form and its distinguishing features.
CO2: The student is introduced to the various types of drama.
CO3: The student learns the one-act play and its distinguishing features

Name of the Class: Bachelor of Arts (Semester – II)
Name of the Paper: English (Core and Elective): Paper-III – Introducing Literary Forms: Prose
Name of the Text: 1. <i>Honey Dew: An anthology of Prose, Poetry and One-act Plays</i> (Orient Black Swan)
2. <i>A Companion to Literary Forms</i> – Padmaja Ashok (Orient Black Swan)
Total Credits: 03
CO1: The student is able to understand the prose form and its distinguishing features.
CO2: The student is introduced to the various types of prose – fiction and non-fiction
CO3: The student learns the different forms of novel and its distinguishing features.

Name of the Class: Bachelor of Arts (Semester – II)
Name of the Paper: English (Core and Elective): Paper-IV – The History of the English Language
Name of the Text: 1. <i>The English Language</i> – C. L. Wren (Vikas Publishers)
Total Credits: 03
CO1: Demonstrate a thorough understanding of diachronic changes in English from Old English to Present day English, and the ability to situate those in their socio-political contexts.
CO2: Develop the linguistic skills required in the close analysis of individual words and other texts.
CO3: Demonstrate a critical understanding of different and sometimes conflicting approaches to the study of the history of the English language.

Name of the Class: Bachelor of Arts (Semester –III)
Name of the Paper: English (Core and Elective): Paper-V – The Elizabethan Age (1558-1625)
Name of the Text: 1. <i>The Winged Word</i> - Ed. David Green(Macmillan)
2. <i>The Duchess of Malfi</i> – John Webster (Bloomsbury Norton)
Total Credits: 03
CO1: The student is able to create a historical background to literature.
CO2: The student is introduced to the poetry and drama forms of the Elizabethan Age
CO3: The student learns the Revenge/ Horror tragedy popularized by John Webster.

Name of the Class: Bachelor of Arts (Semester –III)
Name of the Paper: English (Core and Elective): Paper-VI – Shakespeare (1564-1616)
Name of the Text: 1. <i>Othello</i> – William Shakespeare(Phillip Weller annotated, Orient Black Swan) 2. <i>As You Like It</i> – William Shakespeare (Ed. Swapan Chakraborty, Orient Black Swan)
Total Credits: 03
CO1: The student is able to recognize the genius of Shakespeare as a dramatist
CO2: The student is introduced to the tragedy and comedy forms of Shakespeare
CO3: The student understands the themes and techniques of the plays of Shakespeare

Name of the Class: Bachelor of Arts (Semester –III)
Name of the Paper: English (Core Course): Paper-VII – The Structure of Modern English: Advanced Level Grammar
Name of the Text: 1. <i>A Course In English Grammar</i> – R.N. Bakshi(Orient Black Swan)
Total Credits: 03
CO1: The student is introduced to Modern English Grammar and how it is different from Traditional Grammar
CO2: The student understands the difference between written and spoken English
CO3: The student understands the factors that influence use of grammar and vocabulary in speech and writing

Name of the Class: Bachelor of Arts (Semester –IV)
Name of the Paper: English (Core and Elective): Paper-VIII – The Puritan Age and The Restoration Age (1625-1700)
Name of the Text: 1. <i>Samson Agonistes</i> – John Milton(Laxmi Publication) 2. <i>Mac Flecknoe</i> – John Dryden (Macmillan)
Total Credits: 03
CO1: To introduce the student to British poetry and drama from the Age of Milton to the Age of Dryden.
CO2: To view British literature in its socio-cultural and political contexts
CO3: To understand the theme, structure and style in British poetry and drama.

Name of the Class: Bachelor of Arts (Semester –IV)
Name of the Paper: English (Core and Elective): Paper-IX – The Neo-Classical Age (1701-1798)
Name of the Text: 1. <i>The Winged Word</i> – David Green(Macmillan) 2. <i>Joseph Andrews</i> – Henry Fielding (Penguin)
Total Credits: 03
CO1: To understand different features of Neoclassicism and its influence on English society.
CO2: To understand gradual changes from reason to emotion in British literature.
CO3: To acquaint the students with the newly developed form of novel.

Name of the Class: Bachelor of Arts (Semester –IV)
Name of the Paper: English (Core Course): Paper-X – English Sound Structure: Phonetics
Name of the Text: 1. <i>A Textbook of English Phonetics for Indian Students</i> – T. Balasubramanian(Macmillan)
Total Credits: 03
CO1: The student will learn the phonemes of English and their articulation.
CO2: The student understands how the articulation of phonemes in words and utterances can influence each other.
CO3: The student understands the problems of English pronunciation for foreign learners

Name of the Class: Bachelor of Arts (Semester –V)
Name of the Paper: English (Core Course): Paper-XI – The Romantic Period (1798-1830)
Name of the Text: 1. <i>The Rime of the Ancient Mariner</i> – S.T. Coleridge(Orient Black Swan) 2. <i>Pride and Prejudice</i> – Jane Austen (Ed. Manju Sen, Orient Black Swan)
Total Credits: 03
CO1: The student learns about the salient features of the Romantic Period of literature
CO2: The student understands the poetry and novel forms of the Romantic Period.

Name of the Class: Bachelor of Arts (Semester –V)
Name of the Paper: English (Core Course): Paper-XII – The Victorian Period (1837-1901)
Name of the Text: 1. <i>The Winged Word</i> – Ed. David Green(Macmillan) 2. <i>David Copperfield</i> – Charles Dickens (Orient Black Swan)
Total Credits: 03
CO1: The student learns about the salient features of the Victorian Period of literature
CO2: The student understands the poetry and novel forms of the Victorian Period.

Name of the Class: Bachelor of Arts (Semester –V)
Name of the Paper: English (Core Course): Paper-XIII – Women’s Writing in English
Name of the Text: 1. <i>To the Lighthouse</i> – Virginia Woolf(Penguin) 2. <i>The Mother of 1084</i> – Mahasweta Devi (Seagull)
Total Credits: 03
CO1: To acquaint the students with the complex and multifaceted literature by women of the world.
CO2: To enable the student to know the diversity of women’s experiences and their varied cultural moorings
CO3: To understand women’s literary history, women’s studies and feminist criticism.

Name of the Class: Bachelor of Arts (Semester –V)
Name of the Paper: English (Core Course): Paper-XIV–Indian Literature in English Translation
Name of the Text: 1. <i>Svapnavasavadutta</i> – Basa (Motilal Benarsidas)
2. <i>Godan</i> – Munshi Premchand (Oxford University Press)
Total Credits: 03
CO1: It aims to create awareness among the students of the rich and diverse literary cultures of ancient India
CO2: To enable the students to appreciate the Indian classical literature and to realize its value in practical aspects of life.
CO3: To understand different nuances of translation.

Name of the Class: Bachelor of Arts (Semester –V)
Name of the Paper: English (Core Course): Paper-XV – World Literature
Name of the Text: 1. <i>A Doll's House</i> – Henrik Ibsen (Oxford University Press)
2. <i>The Outsider</i> – Albert Camus (Penguin)
Total Credits: 03
CO1: To introduce the students to the best of experimental and innovative dramatic literature of modern Europe.
CO2: To understand the origin of Existentialism and major themes of Existential novels
CO3: To enable them to make a critical analysis of a work of art within the frames of world literature.

Name of the Class: Bachelor of Arts (Semester –V)
Name of the Paper: English (Core Course): Paper-XVI – Literary Criticism and Theory - I
Name of the Text: 1. <i>The Making of Literature</i> – R.A. Scott James (Allied Publishers)
2. <i>English Literary Criticism and Theory</i> – M.S. Nagarajan (Orient Black Swan)
Total Credits: 03
CO1: To give the students a firm grounding in a major methodological aspect of literary studies known as theory
CO2: To understand the concept of the different schools of criticism
CO3: To enable the students to undertake an overall evaluation of a literary critic

Name of the Class: Bachelor of Arts (Semester –VI)
Name of the Paper: English (Core Course): Paper-XVII – The Modern Age (1900-1950)
Name of the Text: 1. <i>The Winged Word</i> – David Green(Macmillan)
2. <i>Pygmalion</i> – G.B. Shaw (Orient Black Swan)
Total Credits: 03
CO1: To familiarize the students with the new literature of Britain in the early decades of 20th century.
CO2: To understand the literary criticism and innovative techniques introduced by the writers of 20th century.
CO3: To understand the origin of the Problem Play and major themes of the Problem Play.

Name of the Class: Bachelor of Arts (Semester –VI)
Name of the Paper: English (Core Course): Paper-XVIII – The Post-Modern Period
Name of the Text: 1. <i>Waiting for Godot</i> – Samuel Beckett(Penguin)
2. <i>The Sense of an Ending</i> – Julian Barnes (Penguin)
Total Credits: 03
CO1: The student learns what postmodernism is and how it differs from modernism
CO2: The student understands some of the literary techniques inherent in postmodernism.
CO3: To understand the origin of Absurd drama and major themes of Absurd drama.

Name of the Class: Bachelor of Arts (Semester –VI)
Name of the Paper: English (Core Course): Paper-XIX – Indian Writing in English
Name of the Text: 1. <i>House of Cards</i> – Sudha Murthy(Penguin)
2. <i>Mahadevbhai</i> – Ramu Ramnathan (Orient Black Swan)
Total Credits: 03
CO1: To understand the various features of Indian literature in English.
CO2: To get a glimpse of the regional literatures translated in English.
CO3: To enable the students to appreciate the Modern Indian literature and to realize its value in practical aspects of life.

Name of the Class: Bachelor of Arts (Semester –VI)
Name of the Paper: English (Core Course): Paper-XX – American Literature
Name of the Text: 1. <i>The Great Gatsby</i> – F. Scott Fitzgerald(Orient Black Swan)
2. <i>A Streetcar named Desire</i> – Tennessee Williams (Penguin)
Total Credits: 03
CO1: To understand the historical background of American literature and the American dream
CO2: A glimpse into social realism and American novel, folklore and American novel.
CO3: Examine the intersection of economics, history, culture, region, politics, religion, gender, and sexuality to African-American literature.

Name of the Class: Bachelor of Arts (Semester –VI)
Name of the Paper: English (Core Course): Paper-XXI – Literary Criticism and Theory - II
Name of the Text: 1. <i>An Introduction to Literary Theory and Criticism</i> – Kulkarni and Chaskar (Orient Black Swan)
Total Credits: 03
CO1: To give the students a firm grounding in a major methodological aspect of literary studies known as theory
CO2: To understand the concept of structuralism and post structuralism, synchrony, diachrony, paradigm and syntagm

CO3: To introduce the critical terms and concept and its applications in literature.

Name of the Class: Bachelor of Arts (Semester –VI)
Name of the Paper: English (Core Course): Paper-XXII – Practical Criticism: Theory and Practice
Name of the Text: 1. <i>Practical Criticism</i> – Ed. V.S. Seturaman, C.T. Indra (Laxmi Publishers)
Total Credits: 03
CO1: The students will be able to understand the application of theories to literature
CO2: To give the students the correct use and understanding of stress
CO3: The student understands the meaning of intonation and how to use it.

Bachelor of Arts - Gujarati

Programme Outcome (PO)

PO-1 The Programme has the purpose to revive the classical language, its dialects and the values and culture incorporated in the language.

PO-2 It enables the students to develop literary viewpoint and understanding.

PO-3 The students develop aesthetics and art related point of view.

PO-4 It also enables students to conduct research and comparative study and indulge in creative writing to further contribute to the language and literature.

PO-5 The programme stresses on Socio-cultural aspect of literature and language and inculcates values as well as humanitarian approach. It also creates various job opportunities in various fields like education, government sectors, creative writing, reporting and so on.

Programme Specific Outcome (PSO)

PSO-1 The Programme creates various job opportunities in India and abroad as the language is used by Gujarati people spread all over India and across the world.

PSO-2 The learners can become translators and teachers.

PSO-3 It enables students to acquire a sound comprehension of literary, societal, cultural, biographical and historical background of the greatest writings in Gujarati in India.

PSO-4 It also provides adequate information on the history of Gujarat and Gujarati Language through the literary, societal, cultural, biographical and historical background of the greatest writings in Gujarati.

PSO-5 The Programme ensures that the students master all four language skills and become effective communicators with in depth knowledge of cultural aspects of the language enabling them to use variety of structures in any given situation.

PSO-6 They will be familiar with the conventions of diverse textual genres including fiction, non-fiction, poetry, autobiography, biography, dramas and so on.

Course Outcomes (CO)

DEPARTMENT OF GUJARATI
Name of the Class: Bachelor of Arts (Semester – I)
Name of the Paper: Core Compulsory in Gujarati– Bhasha Sahitya Kaushal-Gujarati
Total Credits: 03
CO1: To acquaint the learner with the Gujarati literature
CO2: To sensitize the learner towards the creative power of the Gujarati Language.

Name of the Class: Bachelor of Arts (Semester – I)
Name of the Paper: Core Compulsory in Gujarati– Pratyayan Kaushal-Gujarati
Total Credits: 03
CO1: To acquaint the learner with the forms of Functional Gujarati.
CO2: To sensitize the learner towards the Written and Spoken aspect of the Gujarati language by teaching them Letter Writing and Dialogue Writing.

Name of the Class: Bachelor of Arts (Semester – II)
Name of the Paper: Core Compulsory in Gujarati– Bhasha Sahitya Kaushal-Gujarati
Total Credits: 03
CO1: To acquaint the learner with the Gujarati literature
CO2: To sensitize the learner towards the creative power of the Gujarati Language.

Name of the Class: Bachelor of Arts (Semester – II)
Name of the Paper: Core Compulsory in Gujarati– Pratyayan Kaushal-Gujarati
Total Credits: 03
CO1: To acquaint the learner with the forms of Functional Gujarati.
CO2: To sensitize the learner towards the Written and Spoken aspect of the Gujarati language by teaching them Letter Writing and Dialogue Writing.

Name of the Class: Bachelor of Arts (Semester – III)
Name of the Paper: Core Compulsory in Gujarati– Bhasha Sahitya Kaushal-Gujarati
Total Credits: 03
CO1: To acquaint the learner with the Comedy form of Gujarati literature

CO2: To sensitize the learner towards the various distinguishing features of Comedy.

Name of the Class: Bachelor of Arts (Semester – III)

Name of the Paper: Core Compulsory in Gujarati– Pratyayan Kaushal-Gujarati

Total Credits: 03

CO1: To acquaint the learner with the forms of Functional Gujarati.

CO2: To sensitize the learner towards the Written and Spoken aspect of the Gujarati language by teaching them Soft Skills.

Name of the Class: Bachelor of Arts (Semester – IV)

Name of the Paper: Core Compulsory in Gujarati– Bhasha Sahitya Kaushal-Gujarati

Total Credits: 03

CO1: To acquaint the learner with the Comedy form of Gujarati literature

CO2: To sensitize the learner towards the various distinguishing features of Comedy.

Name of the Class: Bachelor of Arts (Semester – IV)

Name of the Paper: Core Compulsory in Gujarati– Pratyayan Kaushal-Gujarati

Total Credits: 03

CO1: To acquaint the learner with the forms of Functional Gujarati.

CO2: **CO2:** To sensitize the learner towards the Written and Spoken aspect of the Gujarati language by teaching them Soft Skills.

Name of the Class: Bachelor of Arts (Semester – V)

Name of the Paper: Core Compulsory in Gujarati– Bhasha Sahitya Kaushal-Gujarati

Total Credits: 03

CO1: To acquaint the learner with the novel form of Gujarati literature

CO2: To sensitize the learner towards the distinguishing features of novel.

Name of the Class: Bachelor of Arts (Semester – V)

Name of the Paper: Core Compulsory in Gujarati– Pratyayan Kaushal-Gujarati

Total Credits: 03

CO1: To acquaint the learner with the forms of Functional Gujarati.

CO2: To sensitize the learner towards the Written and Spoken aspect of the Gujarati language by teaching them Report Writing and Questionnaire Writing.

Name of the Class: Bachelor of Arts (Semester – VI)
Name of the Paper: Core Compulsory in Gujarati– Bhasha Sahitya Kaushal-Gujarati
Total Credits: 03
CO1: To acquaint the learner with the biography form of Gujarati literature
CO2: To sensitize the learner towards the distinguishing features of biography.

Name of the Class: Bachelor of Arts (Semester – VI)
Name of the Paper: Core Compulsory in Gujarati– Pratyayan Kaushal-Gujarati
Total Credits: 03
CO1: To acquaint the learner with the forms of Functional Gujarati.
CO2: To sensitize the learner towards the Written and Spoken aspect of the Gujarati language by teaching them News Report Writing, Business Report writing and computers.

Name of the Class: Bachelor of Arts (Semester – I)
Name of the Paper: Gujarati (Core and Elective): Paper-I – Medieval Period of Gujarati
Total Credits: 03
CO1: The student is introduced to the various forms of Gujarati literature written during the Medieval Period.
CO2: The student learns the poetry and language of the Medieval Period.

Name of the Class: Bachelor of Arts (Semester – I)
Name of the Paper: Gujarati (Core and Elective): Paper-II – Biography
Total Credits: 03
CO1: The student is introduced to the various types of biographies of Gujarati literature.
CO2: The student learns the distinguishing features of biographies.

Name of the Class: Bachelor of Arts (Semester – II)
Name of the Paper: Gujarati (Core and Elective): Paper-III – Literature and Freedom Struggle
Total Credits: 03
CO1: The student is introduced to the various poems of Gujarati literature written during the period of the Freedom Struggle.
CO2: The student understands the historical background of Gujarati Literature.

Name of the Class: Bachelor of Arts (Semester – II)
Name of the Paper: Gujarati (Core and Elective): Paper-IV – Gujarati Novel
Total Credits: 03
CO1: The student is introduced to the novel form of Gujarati literature.
CO2: The student learns the concept of an ideal citizen.

Name of the Class: Bachelor of Arts (Semester – III)
Name of the Paper: Inter-disciplinary Subject– Principles of Literary Criticism
Total Credits: 03
CO1: Students will be able to differentiate between the forms of literature.
CO2: Students will be able to understand literary criticism and some of its theories.

Name of the Class: Bachelor of Arts (Semester – III)
Name of the Paper: Gujarati (Core and Elective): Paper-V – Gujarati Narrative poetry
Total Credits: 03
CO1: The student is introduced to the narrative poetry form of Gujarati literature.
CO2: The student learns the historical growth of the narrative poetry in Gujarati.

Name of the Class: Bachelor of Arts (Semester – III)
Name of the Paper: Gujarati (Core and Elective): Paper-VI – Gujarati Novel
Total Credits: 03
CO1: The student is introduced to the novel form of Gujarati literature.
CO2: The student learns the distinguishing features of Gujarati Novel.

Name of the Class: Bachelor of Arts (Semester – III)
Name of the Paper: Gujarati (Core Course): Paper-VII – History of Gujarati Literature- The Medieval Period - 1
Total Credits: 03
CO1: The student is introduced to the history of Gujarati literature.
CO2: The student learns the distinguishing features of Medieval Gujarati literature.

Name of the Class: Bachelor of Arts (Semester – IV)
Name of the Paper: Inter-disciplinary Subject– Principles of Literary Criticism
Total Credits: 03
CO1: Students will be able to comprehend the arts and fine arts and their salient features.
CO2: Students will be able to understand the different “isms” of literature.

Name of the Class: Bachelor of Arts (Semester – IV)
Name of the Paper: Gujarati (Core and Elective): Paper-VIII – Gujarati poetry of Post-Gandhian Period
Total Credits: 03
CO1: The student is introduced to the poetry of Post-Gandhian Period of Gujarati literature.
CO2: The student learns the distinguishing features of the Post-Gandhian Era Gujarati poetry..

Name of the Class: Bachelor of Arts (Semester – IV)
Name of the Paper: Gujarati (Core and Elective): Paper-IX – Gujarati Short story- Postmodern Era

Total Credits: 03
CO1: The student is introduced to the short story form of Postmodern Gujarati literature.
CO2: The student learns the distinguishing features of Gujarati short story.

Name of the Class: Bachelor of Arts (Semester – IV)
Name of the Paper: Gujarati (Core Course): Paper-X – History of Gujarati Literature- The Medieval Period-2
Total Credits: 03
CO1: The student is introduced to the biographical details of the writers of the Medieval Period of Gujarati Literature.
CO2: The student learns to identify the minor forms of Medieval Period Gujarati literature.

Name of the Class: Bachelor of Arts (Semester – V)
Name of the Paper: Gujarati (Core Course): Paper-XI – Gujarati Drama
Total Credits: 03
CO1: The student is introduced to distinguishing features of Gujarati Drama.
CO2: The student starts understanding the social problems through drama.

Name of the Class: Bachelor of Arts (Semester – V)
Name of the Paper: Gujarati (Core Course): Paper-XII – History of Gujarati Literature
Total Credits: 03
CO1: The student is introduced to the development and growth of Medieval Gujarati Literature
CO2: The student understands the different stages of reformation in Gujarati Literature.

Name of the Class: Bachelor of Arts (Semester – V)
Name of the Paper: Gujarati (Core Course): Paper-XIII– Biography of Dhruv Bhatt
Total Credits: 03
CO1: The student is introduced to the biography form of Gujarati Literature.
CO2: The student understands the socio-economic conditions of the forests along River. Narmada

Name of the Class: Bachelor of Arts (Semester – V)
Name of the Paper: Gujarati (Core Course): Paper-XIV– Literary Criticism-I
Total Credits: 03
CO1: The student comprehends the concept of art, fine arts and literature
CO2: The student understands the distinguishing features of literature.

Name of the Class: Bachelor of Arts (Semester – V)
Name of the Paper: Gujarati (Core Course): Paper-XV – History of Gujarati Literature- The Medieval Period-2
Total Credits: 03

CO1: The student is introduced to the biographical details of the writers of the Medieval Period of Gujarati Literature.
CO2: The student learns to identify the minor forms of Medieval Period Gujarati literature.

Name of the Class: Bachelor of Arts (Semester – V)
Name of the Paper: Gujarati (Core Course): Paper-XVI – Linguistics-I
Total Credits: 03
CO1: The student comprehends the difference between written and spoken language.
CO2: The student understands the distinguishing features of the literary language.

Name of the Class: Bachelor of Arts (Semester – VI)
Name of the Paper: Gujarati (Core Course): Paper-XVII – Literary Form-Lyric
Total Credits: 03
CO1: The student is introduced to the poetry form and its types.
CO2: The student learns to identify the distinguishing features of the Lyric Form.

Name of the Class: Bachelor of Arts (Semester – VI)
Name of the Paper: Gujarati (Core Course): Paper-XVIII – Gandhian Era of Gujarati Literature
Total Credits: 03
CO1: The student is introduced to the salient features of the Gandhian Era of Gujarati Literature.
CO2: The student gets a bird eye-view of Post-Independence Gujarati Literature.

Name of the Class: Bachelor of Arts (Semester – VI)
Name of the Paper: Gujarati (Core Course): Paper-XIX – Biography of Uma Shankar Joshi
Total Credits: 03
CO1: The student is introduced to the biographical details of Uma Shankar Joshi.
CO2: The student learns the different works of Uma Shankar Joshi.

Name of the Class: Bachelor of Arts (Semester – VI)
Name of the Paper: Gujarati (Core Course): Paper-XX – Literary Criticism-II
Total Credits: 03
CO1: The student learns the purpose of literature.
CO2: The student understands the various literary theories.

Name of the Class: Bachelor of Arts (Semester – VI)
Name of the Paper: Gujarati (Core Course): Paper-XXI – Linguistics-II
Total Credits: 03
CO1: The student is introduced to distinguishing forms of Gujarati Language.
CO2: The student learns to trace the origin, growth and development of the Gujarati Language.

Name of the Class: Bachelor of Arts (Semester – VI)
Name of the Paper: Gujarati (Core Course): Paper-XXII – Gujarati Prosody
Total Credits: 03
CO1: The students will be able to understand the application of theories to literature
CO2: To give the students the correct use and understanding of stress

Bachelor of Arts – Hindi

Programme Outcome (PO)

PO-1 The students, who learn the language well, can work anywhere in India.

PO-2 The multilingual context in India makes learning the language extremely important.

PO-3 Be it government or private sector knowledge of Hindi creates great vocational advantages.

PO-4 It provides in depth knowledge of grammar and vocabulary.

PO-5 It also offers practice in translation from Hindi to Gujarati and Gujarati to Hindi, the students can become Translators in many Central Government Offices.

PO-6 Through studying Poetry and other forms of literary work, they can become creative writers, poets and authors.

PO-7 Criticism is an important aspect of the course through which students can become critics or opt to become journalists or columnist.

PO-8 By studying dramas and one act plays, they can become good actors.

PO-9 Through developing good communication skills and command over language one can become a good speaker. Having good command over particular language one can present himself in a better way vocationally.

Programme Specific Outcome (PSO)

PSO-1 The Programme enables students to acquire a sound comprehension of literary, societal, cultural, biographical and historical background of the greatest writings in Hindi in India.

PSO-2 It also provides adequate information on our history, freedom struggle, and colonization through the literary, societal, cultural, biographical and historical background of the greatest writings in Hindi.

PSO-3 It peeps into the history of Hindi Language and varied components of the language. The Programme ensures that the students master all four language skills and become effective communicators with in depth knowledge of cultural aspects of the language enabling them to use variety of structures in any given situation.

PSO-4 They will be familiar with the conventions of diverse textual genres including fiction, non-fiction, poetry, autobiography, biography, dramas and so on.

Course Outcomes (CO)

DEPARTMENT OF HINDI
Name of the Class: Bachelor of Arts (Semester – I)
Name of the Paper: Core Compulsory in Hindi– Bhasha Sahitya Kaushal-Hindi
Total Credits: 03
CO1: To acquaint the learner with the Hindi poetry form.
CO2: The student learns certain aspects of Hindi grammar and understands the importance of computers in the development of Hindi Language.

Name of the Class: Bachelor of Arts (Semester – II)
Name of the Paper: Core Compulsory in Hindi– Bhasha Sahitya Kaushal-Hindi
Total Credits: 03
CO1: To acquaint the learner with the Hindi prose form.
CO2: The student learns certain aspects of Hindi novel
CO3: The student is introduced to the use of Indic Unicode software.

Name of the Class: Bachelor of Arts (Semester – III)
Name of the Paper: Core Compulsory in Hindi– Bhasha Sahitya Kaushal-Hindi
Total Credits: 03
CO1: To acquaint the learner with the superstitious beliefs and replace them with a new set of values.
CO2: The student learns the influence of Globalization on Hindi Language and Literature.

Name of the Class: Bachelor of Arts (Semester – IV)
Name of the Paper: Core Compulsory in Hindi– Bhasha Sahitya Kaushal-Hindi
Total Credits: 03
CO1: To acquaint the learner with the Hindi short story form.
CO2: The student learns salient features of Hindi short story.

Name of the Class: Bachelor of Arts (Semester – V)
Name of the Paper: Core Compulsory in Hindi– Bhasha Sahitya Kaushal-Hindi
Total Credits: 03
CO1: To acquaint the learner with the Hindi Drama form.
CO2: The student learns the dramatic techniques used in Hindi drama.

Name of the Class: Bachelor of Arts (Semester – VI)
Name of the Paper: Core Compulsory in Hindi– Bhasha Sahitya Kaushal-Hindi
Total Credits: 03
CO1: To acquaint the learner with the Modern Hindi drama form.
CO2: The student learns certain soft skills of Hindi language.

Name of the Class: Bachelor of Arts (Semester – I)
Name of the Paper: Hindi (Core & Elective): Paper-I Introduction to Hindi poetry
Total Credits: 03
CO1: To acquaint the learner with the Modern Hindi poetry form.
CO2: The student learns certain aspects of Hindi poetic devices.

Name of the Class: Bachelor of Arts (Semester – I)
Name of the Paper: Hindi (Core & Elective): Paper-II Introduction to Dalit Literature
Total Credits: 03
CO1: To acquaint the learner with the Hindi Dalit literature.
CO2: The student learns empathy towards the downtrodden sections of the Indian society.

Name of the Class: Bachelor of Arts (Semester –II)
Name of the Paper: Hindi (Core & Elective): Paper-III Hindi Poetry
Total Credits: 03
CO1: To acquaint the learner with the Modern Hindi poetry form.
CO2: The student learns the modern spirit in Hindi poetry.

Name of the Class: Bachelor of Arts (Semester –II)
Name of the Paper: Hindi (Core & Elective): Paper-IV Hindi Novel
Total Credits: 03
CO1: To acquaint the learner with the social problems of India.
CO2: The student learns the effect of Globalization on Hindi novel form.

Name of the Class: Bachelor of Arts (Semester –III)
Name of the Paper: Hindi (Core & Elective): Paper-V Hindi Romantic Poetry
Total Credits: 03
CO1: To acquaint the student with the Romantic movement in poetry.
CO2: The student gets an in-depth view of the poetry of Nirala.

Name of the Class: Bachelor of Arts (Semester –III)
Name of the Paper: Hindi (Core & Elective): Paper-VI Hindi Novel
Total Credits: 03
CO1: To acquaint the student with the various types of Hindi Novel.

CO2: The student learns about the Indianness as depicted in the novel *Divya*.

Name of the Class: Bachelor of Arts (Semester –III)
Name of the Paper: Hindi (Core Course): Paper-VII History of Hindi Literature
Total Credits: 03
CO1: To acquaint the student with the different phases of development of Hindi literature
CO2: The student is introduced to the different literary periods of Hindi literature.

Name of the Class: Bachelor of Arts (Semester –IV)
Name of the Paper: Hindi (Core & Elective): Paper-VIII Hindi Poetry
Total Credits: 03
CO1: To acquaint the student with the different features of ancient Hindi poetry
CO2: The student is introduced to the different literary devices used in Hindi poetry.

Name of the Class: Bachelor of Arts (Semester –IV)
Name of the Paper: Hindi (Core & Elective): Paper-IX Hindi Drama
Total Credits: 03
CO1: To acquaint the student with the different features of Hindi Drama
CO2: The student is introduced to the different types of Hindi drama especially One-act play.

Name of the Class: Bachelor of Arts (Semester –IV)
Name of the Paper: Hindi (Core Course): Paper-X History of Modern Hindi Literature
Total Credits: 03
CO1: To acquaint the student with the different phases of development of Modern Hindi literature
CO2: The student is introduced to the different literary developments of Modern Hindi literature.

Name of the Class: Bachelor of Arts (Semester -V)
Name of the Paper: Hindi (Core Course): Paper-XI Bhakti Period of Hindi literature
Total Credits: 03
CO1: To acquaint the student with the different phases of development of Hindi literature during the Bhakti Period.
CO2: The student is introduced to the poetry form of the Bhakti Period.

Name of the Class: Bachelor of Arts (Semester –V)
Name of the Paper: Hindi (Core Course): Paper-XII Hindi Essay Form
Total Credits: 03
CO1: To acquaint the student with the features of the prose form in Hindi language.
CO2: The student is introduced to the different prose forms of Hindi literature.

Name of the Class: Bachelor of Arts (Semester –V)
--

Name of the Paper: Hindi (Core Course): Paper-XIII Theories of Hindi literature
Total Credits: 03
CO1: To acquaint the student with the literary theory form.
CO2: The student is introduced to the different literary theorists of Hindi literature.

Name of the Class: Bachelor of Arts (Semester –V)
Name of the Paper: Hindi (Core Course): Paper-XIV Regional Hindi Literature
Total Credits: 03
CO1: To acquaint the student with the regional influences on Hindi literature.
CO2: The student is introduced to some of the regional texts.

Name of the Class: Bachelor of Arts (Semester –V)
Name of the Paper: Hindi (Core Course): Paper-XV History of Hindi Languages
Total Credits: 03
CO1: To acquaint the student with the different phases of development of Hindi language.
CO2: The student is introduced to the different features of Hindi language.

Name of the Class: Bachelor of Arts (Semester –V)
Name of the Paper: Hindi (Core Course): Paper-XVI Functional Hindi
Total Credits: 03
CO1: To acquaint the student with the Functional Hindi.
CO2: The student is introduced to the different areas of Functional Hindi.

Name of the Class: Bachelor of Arts (Semester –VI)
Name of the Paper: Hindi (Core Course): Paper-XVII Medieval Hindi Literature
Total Credits: 03
CO1: To acquaint the student with the different phases of development of Hindi literature during the Medieval Period.
CO2: The student is introduced to the different aspects of Medieval Hindi poetry.

Name of the Class: Bachelor of Arts (Semester –VI)
Name of the Paper: Hindi (Core Course): Paper-XVIII Social Novels of Hindi Literature
Total Credits: 03
CO1: To acquaint the student with the different phases of development of Social Novel.
CO2: The student is introduced to the different writers of the Social Novel

Name of the Class: Bachelor of Arts (Semester –VI)
Name of the Paper: Hindi (Core Course): Paper-XIX Western Literature
Total Credits: 03
CO1: To acquaint the student with the Western Literature.
CO2: The student is introduced to the works of some classic Western authors.

Name of the Class: Bachelor of Arts (Semester –VI)
Name of the Paper: Hindi (Core Course): Paper-XX Regional Hindi Literature
Total Credits: 03
CO1: To acquaint the student with the regional influences on Hindi literature.
CO2: The student is introduced to some of the regional texts.

Name of the Class: Bachelor of Arts (Semester –VI)
Name of the Paper: Hindi (Core Course): Paper-XXI Hindi Grammar
Total Credits: 03
CO1: To acquaint the student with the different parts of speech of Hindi language.
CO2: The provide the student practice in the use of the different parts of speech.

Name of the Class: Bachelor of Arts (Semester –VI)
Name of the Paper: Hindi (Core Course): Paper-XXII Journalistic Writing in Hindi
Total Credits: 03
CO1: To acquaint the student with the different areas of Hindi language.
CO2: The provide the student a complete picture of the spread of Hindi language

Bachelor of Arts – Psychology

Programme Outcomes (PO)

PO-1 use the scientific method as a primary basis for engaging in critical thinking

PO-2 Review empirical studies of psychology, analyze, and synthesize their research findings and draw appropriate inferences

PO-3 articulate controversial and ethical issues in psychology

PO-4 identify plausible psychosocial and biological principles that influence behavior and cognition, given a particular context or situation

PO-5 articulate the developmental changes resulting from hereditary and environmental factors

PO-6 Compare and contrast theoretical perspectives within psychology

Program Specific Outcomes (PSO)

PSO-1: Enhancement of stress management skills.

PSO-2: Enhancement of coping skill with different problems in life.

PSO-3: Enabling to measure attitude, aptitude, interest, adjustment, skills etc. within the people.

PSO-4: Introduction to counseling process and techniques.

PSO-5: Illustration of mental disorder and treatment

Course Outcomes (CO)

DEPARTMENT OF PSYCHOLOGY
Name of the Class: Bachelor of Arts (Semester – I)
Name of the Paper: Psychology (Core & Elective): Paper-I Modern General Psychology-I
Total Credits: 03
CO1: The course will familiarize students with the basic Psychological processes.
CO2: The student comprehends some important application areas of Psychology.

Name of the Class: Bachelor of Arts (Semester – I)
Name of the Paper: Psychology (Core & Elective): Paper-II Human Development-I
Total Credits: 03
CO1: This course aims at providing conceptual foundation of human development.
CO2: The student learns about development in the life span in different domains with an emphasis on the cultural context.

Name of the Class: Bachelor of Arts (Semester –II)
Name of the Paper: Psychology (Core & Elective): Paper-III Modern General Psychology-II
Total Credits: 03
CO1: The course will familiarize students with the basic Psychological processes and the studies relating to the factors which influence them.
CO2: The student learns some important application areas of Psychology.

Name of the Class: Bachelor of Arts (Semester –II)
Name of the Paper: Psychology (Core & Elective): Paper-IV Human Development=II
Total Credits: 03
CO1: This course aims at providing conceptual foundation of human development.
CO2: The student learns about development in the life span in different domains with an emphasis on the cultural context.

Name of the Class: Bachelor of Arts (Semester –III)
Name of the Paper: Psychology (Core & Elective): Paper-V An Introduction to Social Psychology
Total Credits: 03
CO1: Demonstrate the ability to articulate independently and creatively about human Social Behavior and the cultural influences that affect our behavior.
CO2: Describe, discuss and analyze major issues and concepts in the field of Social Psychology.

Name of the Class: Bachelor of Arts (Semester –III)
Name of the Paper: Psychology (Core & Elective): Paper-VI Fundamentals of Adjustment Psychology
Total Credits: 03
CO1: Demonstrate knowledge of major scientific theories and models of personality and adjustment.
CO2: Increase self-awareness and self-understanding in relation to personal, relational, and social/cultural life domains.

Name of the Class: Bachelor of Arts (Semester –III)
Name of the Paper: Psychology (Core Course): Paper-VII Fundamentals of Physiological Psychology
Total Credits: 03
CO1: Demonstrate competency in physiological and neuronal processes involved in physical and psychological phenomena;
CO2: Apply physio-psychological concepts and theories to everyday life and personal experiences;

Name of the Class: Bachelor of Arts (Semester –IV)
Name of the Paper: Psychology (Core & Elective): Paper-VIII Social Psychology
Total Credits: 03
CO1: The student will Show knowledge of the key substantive content of the field of psychology, including memory and thinking, sensory psychology and physiology, developmental psychology, clinical and abnormal psychology, and social psychology.
CO2: The student will demonstrate that they understand the basic principles of and correctly interpret applications of the designs and methods that psychologists use to gather data.

Name of the Class: Bachelor of Arts (Semester –IV)
Name of the Paper: Psychology (Core & Elective): Paper-IX Adjustment Psychology
Total Credits: 03
CO1: Students will be able to demonstrate knowledge of the interconnectedness of global dynamics (issues, processes, trends, and systems)
CO2: Students will be able to view themselves as engaged citizens within an interconnected and diverse world.

Name of the Class: Bachelor of Arts (Semester –IV)
Name of the Paper: Psychology (Core Course): Paper-X Physiological Psychology
Total Credits: 03
CO1: Describe the processes involved in the generation and propagation of a neural impulse.
CO2: Apply knowledge of the physiological bases of behavior to real-world issues

Name of the Class: Bachelor of Arts (Semester -V)
Name of the Paper: Psychology (Core Course): Paper-XI Methodology in Psychology and Psychological Statistics-I
Total Credits: 03
CO1: The paper introduces the student to the quantification of psychological data
CO2: The student is introduced to the primary research orientation in Psychology.

Name of the Class: Bachelor of Arts (Semester –V)
Name of the Paper: Psychology (Core Course): Paper-XII Counseling Psychology-I
Total Credits: 03
CO1: Students would gain knowledge about theoretical principles and practical processes in Guidance and Counseling and would be able to apply these in research and professional areas.
CO2: Students would gain the requisite competencies and skills for providing Guidance and Counseling in varied spheres.

Name of the Class: Bachelor of Arts (Semester –V)
Name of the Paper: Psychology (Core Course): Paper-XIII Psychopathology-I
Total Credits: 03
CO1: Students gain knowledge about knowledge about the normality and abnormality
CO2: The student learns to impart knowledge and skills needed for psychological assessment Different abnormal conditions.

Name of the Class: Bachelor of Arts (Semester –V)
Name of the Paper: Psychology (Core Course): Paper-XIV Industrial Psychology
Total Credits: 03
CO1: To acquaint the students its some kind of organization and human behavior at Industrialorganizational setting.
CO2: This course shows students how psychology will help them in their careers.

Name of the Class: Bachelor of Arts (Semester –V)
Name of the Paper: Psychology (Core Course): Paper-XV Educational Psychology-I
Total Credits: 03
CO1: The student understands the history and fields of psychology.
CO2: The student comprehends the application of psychology to every field of knowledge.

Name of the Class: Bachelor of Arts (Semester –V)
Name of the Paper: Psychology (Core Course): Paper-XVI Experimental Psychology (Practicals)-I
Total Credits: 03
CO1: This course enables the students to substantiate the theoretical concepts of various psychological phenomena through experiments

CO2: To prepare the test for administration and Interpretation.

Name of the Class: Bachelor of Arts (Semester –VI)
Name of the Paper: Psychology (Core Course): Paper-XVII Methodology in Psychology and Psychological Statistics-II
Total Credits: 03
CO1: Explain and apply the concepts and procedures of descriptive statistics.
CO2: Apply and interpret common inferential statistical tests and co relational methods.

Name of the Class: Bachelor of Arts (Semester –VI)
Name of the Paper: Psychology (Core Course): Paper-XVIII Counseling Psychology-II
Total Credits: 03
CO1: Students becomes familiar with the purpose of testing and assessment
CO2: Students becomes familiar with the purposes and uses of a variety of tests

Name of the Class: Bachelor of Arts (Semester –VI)
Name of the Paper: Psychology (Core Course): Paper-XIX Psychopathology – II
Total Credits: 03
CO1: Students understand the nature and course of various abnormal conditions
CO2: The student gets knowledge and skills needed for psychological assessment of different abnormal conditions.

Name of the Class: Bachelor of Arts (Semester –VI)
Name of the Paper: Psychology (Core Course): Paper-XX Industrial & Organizational Psychology
Total Credits: 03
CO1: To Acquaint the students its some kind of organization and humanbehavior at Industrialorganizational setting.
CO2: The students learn how the science of human behaviour is used to select, develop, and manage employees

Name of the Class: Bachelor of Arts (Semester –VI)
Name of the Paper: Psychology (Core Course): Paper-XXI Educational Psychology-II
Total Credits: 03
CO1: Students will develop ability to critique research
CO2: Elucidate the major theories, research methods and approaches to inquiry and/or schools of practice in the student’s field of study; articulate their sources and illustrate both their application and their relationship to allied fields.

Name of the Class: Bachelor of Arts (Semester –VI)
Name of the Paper: Psychology (Core Course): Paper-XXII Experimental Psychology

(Practicals)-II
Total Credits: 03
CO1: Demonstrate substantial knowledge of experimental psychology and the modes of inquiry pertinent to this field
CO2: Accurately evaluate the strength of evidence in support of a claim as well as demonstrate an ability to recognize good vs. bad experimental designs, theories, and arguments in psychology

Bachelor of Arts - Sanskrit

Programme Outcome (PO)

PO-1 The course concentrates on giving students a thorough grounding in the language, and the bulk of the teaching proceeds by the reading and explication of classical texts. Students also specialize in a subject area of their choice.

PO-2 To produce more people with mastery over not only the language but also the rich literature and tradition that it represents.

PO-3 The programme aims to pass on our rich heritage and values to the new generations. It creates wide vocational opportunities in various fields in private as well as government sector in India as well as abroad.

Programme Specific Outcome (PSO)

PSO-1 The Programme creates various job opportunities in India and abroad as the classical language taught across the world.

PSO-2 They can become translators and teachers. It enables students to acquire a sound comprehension of literary, societal, cultural, biographical and historical background of the greatest writings in Sanskrit in India.

PSO-3 it also provides adequate information on the history of India and the development of the language through the literary, societal, cultural, biographical and historical background of the greatest writings in Sanskrit.

PSO-4 The Programme ensures that the students master all four language skills and become effective communicators with in depth knowledge of cultural aspects of the language enabling them to use variety of structures in any given situation.

Course Outcomes (CO)

DEPARTMENT OF SANSKRIT
Name of the Class: Bachelor of Arts (Semester – I)
Name of the Paper: Core Allied– Sanskrit Classical
Name of the Text: <i>Panchatantram</i> – Vishnu Sharma/ Dr. Vishwas
Total Credits: 03
CO1: To acquaint the learner with the values of life by drawing parallels with the animal world.
CO2: The student learns the development of the fables in the Sanskrit language,

Name of the Class: Bachelor of Arts (Semester – II)
Name of the Paper: Core Allied– Sanskrit Classical
Name of the Text: <i>Sanskritvaibhavam</i> – Dhyey Vaakyani
Total Credits: 03
CO1: To understand the origin, growth and development of the Sanskrit language.
CO2: To comprehend the various forms of arts those exist in India.

Name of the Class: Bachelor of Arts (Semester – I)
Name of the Paper: Sanskrit (Core & Elective): Paper-I (A)
Name of the Text: <i>Valmiki Ramayana – Ayodhya Kaand (Canto 7–12)</i>
Total Credits: 03
CO1: To get a biographical sketch of the Ancient Sanskrit poet Rishi Valmiki.
CO2: To comprehend the socio-economic and cultural values that existed at the time of <i>Ramayana</i> .

Name of the Class: Bachelor of Arts (Semester – I)
Name of the Paper: Sanskrit (Core & Elective): Paper-II (A)
Name of the Text: <i>Varnabharam - Basa</i>
Total Credits: 03
CO1: To gain knowledge of the Sanskrit epic <i>Mahabharata</i> .
CO2: To understand the importance of charity through the character depiction of Karana.

Name of the Class: Bachelor of Arts (Semester –II)
Name of the Paper: Sanskrit (Core & Elective): Paper-III
Name of the Text: <i>Kumarsambhava – Sarg-5 - Kalidas</i>
Total Credits: 03
CO1: To gain knowledge on the epic form and the prose form of Sanskrit literature.
CO2: To comprehend the devotion of Parvati.

Name of the Class: Bachelor of Arts (Semester –II)
Name of the Paper: Sanskrit (Core & Elective): Paper-IV (A)
Name of the Text: <i>Nitishatakam</i> – Bhartuhari/ Vyavahar Shastri
Total Credits: 03
CO1: Being successful in all walks of life adopting moral values
CO2: Taking the right decision at the right time.

Name of the Class: Bachelor of Arts (Semester –III)
Name of the Paper: Sanskrit (Core & Elective): Paper-V (A)
Name of the Text: <i>Vikramovarshyam – Kalidas</i>
Total Credits: 03

CO1: Understand the origin and development of Sanskrit drama.
CO2: Recognize the genius of Kalidas and the greatness of his dramas.

Name of the Class: Bachelor of Arts (Semester –III)
Name of the Paper: Sanskrit (Core & Elective): Paper-VI (A)
Name of the Text: <i>Kavya Prakash</i> – Mammut
Total Credits: 03
CO1: Understand origin and development of Sanskrit poetry.
CO2: Analyze the development of Sanskrit poetics.

Name of the Class: Bachelor of Arts (Semester –III)
Name of the Paper: Sanskrit (Core Course): Paper-VII
Name of the Text: <i>Rig-Veda</i>
Total Credits: 03
CO1: Understand the plethora of knowledge available in the Vedas
CO2: To relate the ancient knowledge of the Vedas to comprehend the present times.

Name of the Class: Bachelor of Arts (Semester –IV)
Name of the Paper: Sanskrit (Core & Elective): Paper-VIII (A)
Name of the Text: <i>Gangalaheri</i> – Jagannath
Total Credits: 03
CO1: Understand the Sanskrit fine arts
CO2: Comprehend the rich cultural tradition of India.

Name of the Class: Bachelor of Arts (Semester –IV)
Name of the Paper: Sanskrit (Core & Elective): Paper-IX
Name of the Text: <i>Kavya Shastra & Alankara Shastra</i>
Total Credits: 03
CO1: Evaluate the earlier thoughts of poetics.
CO2: Understand the approach of earlier Alamkarikas.

Name of the Class: Bachelor of Arts (Semester –IV)
Name of the Paper: Sanskrit (Core Course): Paper-X
Name of the Text: <i>Yajurveda – Ishovasya Upanishad</i>
Total Credits: 03
CO1: Understand the values depicted in <i>Yajurveda</i> .
CO2: To relate the ancient knowledge of the Upanishads to comprehend the present times.

Name of the Class: Bachelor of Arts (Semester -V)
Name of the Paper: Sanskrit (Core Course): Paper-XI
Name of the Text: <i>Buddha Charita- Sarg 5</i>

Total Credits: 03
CO1: Understand the values depicted in <i>Yajurveda</i> .
CO2: To relate the ancient knowledge of the Upanishads to comprehend the present times.

Name of the Class: Bachelor of Arts (Semester –V)
Name of the Paper: Sanskrit (Core Course): Paper-XII
Name of the Text: <i>Shrimad Bhagwat Gita– Part 1 - 4</i>
Total Credits: 03
CO1: Understand the salient features of Sanskrit epic form.
CO2: To comprehend the ideal political principles.

Name of the Class: Bachelor of Arts (Semester –V)
Name of the Paper: Sanskrit (Core Course): Paper-XIII
Name of the Text: <i>History of Vedic Literature& Bhasha Parvesh</i>
Total Credits: 03
CO1: Understand the rich literary heritage of Sanskrit.
CO2: To learn to communicate in Sanskrit

Name of the Class: Bachelor of Arts (Semester –V)
Name of the Paper: Sanskrit (Core Course): Paper-XIV
Name of the Text: <i>Siddhant Kaumudi & Linguistics</i>
Total Credits: 03
CO1: Understand the basic principles of Sanskrit language and Grammar.
CO2: Understand the Panineeyan tradition of Sanskrit grammar

Name of the Class: Bachelor of Arts (Semester –V)
Name of the Paper: Sanskrit (Core Course): Paper-XV
Name of the Text: <i>Brahmasatra Shankaracharya</i>
Total Credits: 03
CO1: Understand the Vedanta Literature.
CO2: To comprehend the principles of literary criticism of Shankaracharya.

Name of the Class: Bachelor of Arts (Semester –V)
Name of the Paper: Sanskrit (Core Course): Paper-XVI
Name of the Text: <i>Yagnavalkyasmruti -Vyavharadhayaa</i>
Total Credits: 03
CO1: Understand the judiciary system of ancient India.
CO2: To relate the knowledge of an ancient work to comprehend the present times.

Name of the Class: Bachelor of Arts (Semester –VI)
Name of the Paper: Sanskrit (Core Course): Paper-XVII

Name of the Text: <i>Bhagyavajukiyam</i>
Total Credits: 03
CO1: Understand the figures of speech of Sanskrit.
CO2: To comprehend the grammar of Sanskrit.

Name of the Class: Bachelor of Arts (Semester –VI)
Name of the Paper: Sanskrit (Core Course): Paper-XVIII
Name of the Text: <i>Shrimad Bhagwat Gita – Part 5 – 8 & Gitasopanam Ch:13 - 34</i>
Total Credits: 03
CO1: Understand that the solution to all problems of life lie in <i>Shrimad Bhagwat Gita</i>
CO2: To train the student to be able to communicate in Sanskrit.

Name of the Class: Bachelor of Arts (Semester –VI)
Name of the Paper: Sanskrit (Core Course): Paper-XIX
Name of the Text: <i>History of Sanskrit – The Classical Period & Bhasha Parvesh Ch:41 - 50</i>
Total Credits: 03
CO1: Understand the socio-economic conditions and the literature of the Classical Period.
CO2: To learn the different grammatical elements of Sanskrit.

Name of the Class: Bachelor of Arts (Semester –VI)
Name of the Paper: Sanskrit (Core Course): Paper-XX
Name of the Text: <i>Siddhant Kaumudi & Linguistics</i>
Total Credits: 03
CO1: Understand the syntax of Sanskrit language.
CO2: Understand the Panineeyan tradition of Sanskrit grammar

Name of the Class: Bachelor of Arts (Semester –VI)
Name of the Paper: Sanskrit (Core Course): Paper-XXI
Name of the Text: <i>Samkhya Karika & Translation</i>
Total Credits: 03
CO1: Understand the Indian philosophy.
CO2: To comprehend some of the theories of translation.

Name of the Class: Bachelor of Arts (Semester –VI)
Name of the Paper: Sanskrit (Core Course): Paper-XXII
Name of the Text: <i>The language of logic</i>
Total Credits: 03
CO1: Understand the concept of Justice Philosophy.
CO2: To learn the language of logic.

Bachelor of Science - Chemistry

Programme Outcomes (PO)

- PO-1.** Demonstrate, solve and an understanding of major concepts in all disciplines of chemistry.
- PO-2.** Solve the problem and also think methodically, independently and draw a logical conclusion.
- PO-3.** Employ critical thinking and the scientific knowledge to design, carry out, record and analyze the results of chemical reactions.
- PO-4.** Create an awareness of the impact of chemistry on the environment, society, and development outside the scientific community.
- PO-5.** Find out the green route for chemical reaction for sustainable development.
- PO-6.** To inculcate the scientific temperament in the students and outside the scientific community.
- PO-7.** Use modern techniques, decent equipments and Chemistry software

Programme Specific Outcomes (PSO)

- PSO-1.** Gain the knowledge of Chemistry through theory and practicals.
- PSO-2.** To explain nomenclature, stereochemistry, structures, reactivity, and mechanism of the chemical reactions.
- PSO-3.** Identify chemical formulae and solve numerical problems.
- PSO-4.** Use modern chemical tools, Models, Chem.-draw, Charts and Equipments.
- PSO-5.** Know structure-activity relationship.
- PSO-6.** Understand good laboratory practices and safety.
- PSO-7.** Develop research-oriented skills.

Course Outcomes (CO)

DEPARTMENT OF CHEMISTRY
Name of the Class: Bachelor of Science (Semester – I)
Name of the Paper: Chemistry (Paper – I) Inorganic and Physical Chemistry
Total Credits: 03
CO1: Students will be able to understand the fundamentals of the chemical behavior based on physical property and kinetic studies.
CO2: Students will be able to understand the bonding models, structures, reactivities, and applications of coordination complexes, boron hydrides, metal carbonyls, and organometallics

Name of the Class: Bachelor of Science (Semester – I)
Name of the Paper: Chemistry (Paper – II) Organic Chemistry
Total Credits: 03
CO1: Students will learn the chemistry of alkanes and cycloalkanes IUPAC nomenclature of an organic compounds.
CO2: Students will understand Stereochemistry and its concept, Heterocyclic compounds, polynuclear Hydrocarbons.

Name of the Class: Bachelor of Science (Semester – I)
Name of the Paper: Chemistry - Practicals
Total Credits: 03
CO1: Students will be able to carry out advanced test to identify Organic compounds.
CO2: To conduct experiments for Quantitative analysis and Concentration and normality of the unknown solutions.

Name of the Class: Bachelor of Science (Semester – II)
Name of the Paper: Chemistry (Paper – I) Inorganic and Physical Chemistry
Total Credits: 03
CO1: Students understand thermodynamics and conductivity concepts in chemical reaction
CO2: Students understand the basic principles of inorganic qualitative analysis and chemical bonding of metal complexes.

Name of the Class: Bachelor of Science (Semester – II)
Name of the Paper: Chemistry (Paper – II) Organic Chemistry
Total Credits: 03
CO1: Students learn the chemistry of reaction mechanism of various types of organic reactions, empirical formula, molecular formula and different molecular weight determination methods.
CO2: Students will learn nomenclature, method of preparation, properties, reactions of Alkenes, Dienes and Alkynes.

Name of the Class: Bachelor of Science (Semester – II)
Name of the Paper: Chemistry - Practicals
Total Credits: 03
CO1: Students will be able to perform experiments in inorganic qualitative analysis.
CO2: Students will comprehend the preparation of standard solution.

Name of the Class: Bachelor of Science (Semester – III)
Name of the Paper: Chemistry (Paper – III) Inorganic Chemistry
Total Credits: 03
CO1: Students understand in detail the chemistry of first transition elements and electronic configuration of an atom and L-S Coupling.
CO2: Students understand the purification of water, principles of paper chromatography, R_f value and the concepts of Quantum mechanics.

Name of the Class: Bachelor of Science (Semester – III)
Name of the Paper: Chemistry (Paper – IV) Organic Chemistry
Total Credits: 03
CO1: Students will comprehend the basic principles of Diazonium salts and uses of various reagents, synthesis and applications of various reagents.
CO2: Students will learn application and reactions of Organo - Nitrogen compounds, Carboxylic acid and its derivatives, synthesis and reaction of Heterocyclic compounds

Name of the Class: Bachelor of Science (Semester – III)
Name of the Paper: Chemistry (Paper – V) Physical Chemistry
Total Credits: 03
CO1: Students will learn reaction rate, photochemistry and electrochemistry.
CO2: Students will learn molecular spectroscopy through numerical problems.

Name of the Class: Bachelor of Science (Semester – III)
Name of the Paper: Chemistry - Practicals
Total Credits: 03
CO1: Students will be able to carry out advanced tests to identify organic compounds
CO2: Students will be able to conduct experiments for quantitative analysis, gravimetric and volumetric analysis.

Name of the Class: Bachelor of Science (Semester – IV)
Name of the Paper: Chemistry (Paper – III) Inorganic Chemistry
Total Credits: 03
CO1: Students will comprehend the chemistry of Lanthanide and Actinide elements, Hydrogen bonding and study of metal complexes with the help of CFSE theory.
CO2: Students will learn applications and study of Ion exchange chromatography and Non-aqueous solvents.

Name of the Class: Bachelor of Science (Semester – IV)
Name of the Paper: Chemistry (Paper – IV) Organic Chemistry
Total Credits: 03
CO1: Students will understand different name reactions and elimination reactions.
CO2: Students will comprehend reactive methylene group containing compounds, carbohydrate chemistry, UV-visible spectroscopy, Oragno – Sulphur compounds.

Name of the Class: Bachelor of Science (Semester – IV)
Name of the Paper: Chemistry (Paper – V) Physical Chemistry
Total Credits: 03
CO1: Students will understand the principles of Partition co-efficient, adsorption and thermodynamics.
O2: Students will comprehend different types of conductometric titration and ionic equilibria.

Name of the Class: Bachelor of Science (Semester – IV)
Name of the Paper: Chemistry - Practicals
Total Credits: 03
CO1: Students will be able to perform experiments for qualitative analysis of Inorganic mixture.
CO2: Students will be able to prepare organic preparations and estimations.

Name of the Class: Bachelor of Science (Semester – V)
Name of the Paper: Chemistry (Paper – VI) Inorganic Chemistry
Total Credits: 03
CO1: Students will differentiate between classical and quantum mechanics.
CO2: Students identify situations where an appreciation of dative bonding is required to account for the bonding in certain molecules and ions.

Name of the Class: Bachelor of Science (Semester – V)
Name of the Paper: Chemistry (Paper – VII) Organic Chemistry
Total Credits: 03
CO1: Students will understand reaction mechanism, vitamins and hormones and alkaloids.
CO2: Students will comprehend carbohydrates, synthetic drugs and polypeptides.

Name of the Class: Bachelor of Science (Semester – V)
Name of the Paper: Chemistry (Paper – VIII) Physical Chemistry
Total Credits: 03
CO1: Student will develop the ability to apply various thermodynamics laws to real system.

CO2: Students gains the basic knowledge of nuclear structure, stable and unstable atomic nuclei, nuclear reactions and different modes of radioactive decay and also methods for measurements of radioactivity.

Name of the Class: Bachelor of Science (Semester – V)

Name of the Paper: Chemistry (Paper – IX) Industrial Chemistry

Total Credits: 03

CO1: Students will have an advanced knowledge of fundamentals of industrial chemistry with enhanced command over modern scientific methods, techniques and chemical processes equipped with environment safety measures.

CO2: Students develop an awareness of the role and importance of industrial chemistry in interdisciplinary research as well as in daily life.

Name of the Class: Bachelor of Science (Semester – V)

Name of the Paper: Chemistry (Paper – X) Analytical Chemistry

Total Credits: 03

CO1: Students understand the concept of classical methods of analysis.

CO2: Students are able to apply the needed skills in the analysis of experimental data in chemistry practical.

Name of the Class: Bachelor of Science (Semester – V)

Name of the Paper: Chemistry (Paper – XI) General Chemistry

Total Credits: 03

CO1: Students will comprehend the basic principles, applications of IR Spectroscopy, theory of organic and inorganic qualitative analysis.

CO2: Students will understand laboratory reagent and handling of chemicals, preparation of solutions and standardization.

Name of the Class: Bachelor of Science (Semester – V)

Name of the Paper: Chemistry – Petrochemicals (IDS)

Total Credits: 03

CO1: Student will understand sources of petrochemicals, its classification and petrochemical obtain from C₁ and C₂.

CO2: Student will comprehend industrial fuels and applications of petrochemicals.

Name of the Class: Bachelor of Science (Semester – V)

Name of the Paper: Chemistry - Practicals

Total Credits: 03

CO1: Students will be able to perform analysis of inorganic mixture and kinetic studies.

CO2: Students will be able to identify organic estimations, instrumental methods and chromatographic separation.

Name of the Class: Bachelor of Science (Semester – VI)

Name of the Paper: Chemistry (Paper – VI) Inorganic Chemistry

Total Credits: 03

CO1: Student will conceive the studies of metal complexes, Organo metallic compounds and hybridization.

CO2: Student will understand molecular symmetry of the elements and symmetry operations, BOD, COD, total hardness, TDS determination in polluted water.

Name of the Class: Bachelor of Science (Semester – VI)

Name of the Paper: Chemistry (Paper – VII) Organic Chemistry

Total Credits: 03

CO1: Student will grasp molecular rearrangement involving C to C and C to N, catalysis and green chemistry.

CO2: Student will comprehend terpenoids, synthetic polymers, plant pigments and synthetic dyes.

Name of the Class: Bachelor of Science (Semester – VI)

Name of the Paper: Chemistry (Paper – VIII) Physical Chemistry

Total Credits: 03

CO1: Student will understand phase equilibria, binary liquid mixture and numerical problems.

CO2: Student will comprehend the applications of electromotive force and nuclear chemistry.

Name of the Class: Bachelor of Science (Semester – VI)

Name of the Paper: Chemistry (Paper – IX) Industrial Chemistry

Total Credits: 03

CO1: Student will form an idea about fermentation industry, paper and pulp industry and sugar industry.

CO2: Student will have knowledge of insecticides and fungicides, detergents and industrial manufacturing process with flow diagram and their uses.

Name of the Class: Bachelor of Science (Semester – VI)

Name of the Paper: Chemistry (Paper – X) Analytical Chemistry

Total Credits: 03

CO1: Student will be able to understand different types of separation techniques like gas and liquid chromatography.

CO2: Student will be able to gain knowledge of precipitation and redox titrations.

Name of the Class: Bachelor of Science (Semester – VI)
Name of the Paper: Chemistry (Paper – XI) General Chemistry
Total Credits: 03
CO1: Students will have a firm foundation in the fundamentals and application of current chemical and scientific theories including those in analytical, inorganic, organic and physical chemistries.
CO2: Students will be skilled in problem solving, critical thinking and analytical reasoning as applied to scientific problems like structural elucidation by NMR and environmental pollution.

Name of the Class: Bachelor of Science (Semester – V)
Name of the Paper: Chemistry – Petrochemicals (IDS- Generic Elective)
Total Credits: 03
CO1: Students will comprehend synthesis and applications of petrochemical obtained from C ₃ , C ₄ and C ₅ .
CO2: Students will understand the definitions of miscellaneous petrochemicals and the method for the large scale production with flow diagram and uses of different petrochemicals.

Name of the Class: Bachelor of Science (Semester – VI)
Name of the Paper: Chemistry - Practicals
Total Credits: 03
CO1: Students will be able to perform organic separation of binary mixture and its identification, gravimetric and volumetric estimations.
CO2: Students will gain an understanding of calculating the amount of unknown compounds with the help of instruments such as PH meter, Potentiometer, polarimeter and the kinetic study of different reactions.

Bachelor of Science - Electronics

Programme Outcomes (PO)

PO-1 Provide students with learning experiences that develop broad knowledge and understanding of key concepts of electronic science and equip students with advanced scientific/technological capabilities for analyzing and tackling the issues and problems in the field of electronics.

PO-2 Develop ability in students to apply knowledge and skills they have acquired to the solution of specific theoretical and applied problems in electronics.

PO-3 Develop abilities in students to design and develop innovative solutions for benefits of society, by diligence, leadership, team work and lifelong learning.

PO-4 Provide students with skills that enable them to get employment in industries or pursue higher studies or research assignments or turn as entrepreneurs.

Programme Specific Outcomes (PSO)

PSO-1 Ability to apply knowledge of logical computing relevant and appropriate to the domain.

PSO-2 Ability to design, implement and evaluate computer-based system, process, component.

PSO-3 Focus on statistical science and its application

PSO-4 Capability to design and conduct experiments, as well as analyze and interpret data

PSO-5 Examine the impact of engineering & electronic solutions in global and environmental contexts and utilize the knowledge for sustained development.

PSO-6 Ability to use and apply the techniques & skills in modern engineering practice

Course Outcomes (CO)

DEPARTMENT OF ELECTRONICS
Name of the Class: Bachelor of Science (Semester – I)
Name of the Paper: Electronics (Paper – I) Basic Electrical Circuits
Total Credits: 03
CO1: Student will have an in-depth knowledge of basic electronic components
CO2: Student will be able to acquire knowledge of basic electric laws.

Name of the Class: Bachelor of Science (Semester – I)
Name of the Paper: Electronics (Paper – II) Network Analysis and Filters
Total Credits: 03
CO1: Student will be able to distinguish between p and n type semiconductors
CO2: Student will be able to differentiate between metal, semiconductor and insulator.

Name of the Class: Bachelor of Science (Semester – I)
Name of the Paper: Electronics - Practicals
Total Credits: 03
CO1: Students can identify Resistor values by decoding the color codes given on it.
CO2: Students can plot the VI characteristics of a pn junction in different biasing conditions.

Name of the Class: Bachelor of Science (Semester – II)
Name of the Paper: Electronics (Paper – I) Semiconductor devices

Total Credits: 03
CO1: Students will be able to understand different number systems and codes.
CO2: Students will have a better understanding of Boolean Algebra and Minimization of Boolean expressions.

Name of the Class: Bachelor of Science (Semester – II)
Name of the Paper: Electronics (Paper – II) Digital Electronic Circuits
Total Credits: 03
CO1: Students will be able to have a clear picture of different basic and special logic gates.
CO2: Students will have knowledge of different logic families such as TTL and CMOS.
Name of the Class: Bachelor of Science (Semester – II)
Name of the Paper: Electronics - Practicals
Total Credits: 03
CO1: Student will be able to design, build and test various circuits.
CO2: Students will be able to analyze special gates such as XOR and XNOR.

Name of the Class: Bachelor of Science (Semester – III)
Name of the Paper: Electronics (Paper – III) Electronics Circuits and Applications
Total Credits: 03
CO1: The students will be able to explain the transistor biasing, its necessity and different techniques of biasing.
CO2: The students will learn different amplifier configurations viz. CE, CB and CC and be able to analyse them.

Name of the Class: Bachelor of Science (Semester – III)
Name of the Paper: Electronics (Paper – IV) Advance Digital Electronics & Circuit Design
Total Credits: 03
CO1: The students aware about simplification of Boolean expression, basic principles of Karnaugh maps for digital circuit design and also understand the concept of 2, 3 and 4 variable k-maps.
CO2: The students will learn the different types of semiconductor memories, the address line in it and its different functions.

Name of the Class: Bachelor of Science (Semester – III)
Name of the Paper: Electronics (Paper – V) Linear Power Electronics
Total Credits: 03
CO1: Students will gain the knowledge of designing the linear power supply by understanding the basic building blocks of it viz different types of Rectifiers and Filters.

CO2: The students will learn advance regulators like Three terminal regulators which are basically of two types fixed and variable voltage regulators.

Name of the Class: Bachelor of Science (Semester – III)

Name of the Paper: Electronics - Practicals

Total Credits: 03

CO1: The student will be able to plot the characteristic curves for CE, CB, CC and RC coupled amplifiers and compute the cut off frequencies and bandwidths of all the amplifiers.

CO2: Students will be able to design, build and test the RS, D and JK flip flops.

CO3: They could design different types of rectifiers along with filters and could also design the Zener shunt regulator.

Name of the Class: Bachelor of Science (Semester – IV)

Name of the Paper: Electronics (Paper – III) Amplifiers & Linear Integrated Circuits

Total Credits: 03

CO1: Students will be able to analyse different amplifiers and some special integrated circuits.

CO2: Students will also learn different Multivibrators and their uses such as A stable, M₀n stable and Bistable multivibrators and its triggering.

Name of the Class: Bachelor of Science (Semester – IV)

Name of the Paper: Electronics (Paper – IV) Microprocessor

Total Credits: 03

CO1: Students will learn about the latest electronic marvel microprocessor/ microcontroller.

CO2: The students will learn the peripheral chips of 8085 namely 8255 and 8253 along with their modes of operation and block diagram.

Name of the Class: Bachelor of Science (Semester – IV)

Name of the Paper: Electronics (Paper – V) Switching Power Supply

Total Credits: 03

CO1: The students will understand different four-layer power devices namely SCR, DIAC and TRIAC.

CO2: The students will learn about the electronic switches made up of BJT, FET and MOSFET along with certain applications.

Name of the Class: Bachelor of Science (Semester – IV)

Name of the Paper: Electronics - Practicals

Total Credits: 03

CO1: Students will gain practical knowledge of oscillators such as Hartley, Colpitts, Wien Bridge and Phase Shift Oscillator.

CO2: Students will be able to write the different innumerable programs for 8085 microprocessors.
CO3: Students will be able to plot the characteristic curves of SCR, DIAC and TRIAC.

Name of the Class: Bachelor of Science (Semester – V)
Name of the Paper: Electronics (Paper – VI) Theory of operational amplifier
Total Credits: 03
CO1: The students will learn different types of differential amplifiers along with their physical characteristics and will be able to analyse it from ac as well as dc point of view.
CO2: Students will comprehend the linear applications of op amp such as peaking amplifier, summing amplifier, instrumentation amplifier, integrator, differentiator etc.

Name of the Class: Bachelor of Science (Semester – V)
Name of the Paper: Electronics (Paper – VII) Analog Communication
Total Credits: 03
CO1: Students will gain complete knowledge of the analog communication systems.
CO2: Students will comprehend the demodulation theory of AM and its different types

Name of the Class: Bachelor of Science (Semester – V)
Name of the Paper: Electronics (Paper – VIII) Introduction to Microcontrollers
Total Credits: 03
CO1: Students shall be able to explain the state-of-the-art architecture of 8051 microcontroller, its pin details, memory associated with it and other various parts.
CO2: Students can interface and interrupt with the 8051 microcontroller circuits.

Name of the Class: Bachelor of Science (Semester – V)
Name of the Paper: Electronics (Paper – IX) Basic Instrument and Measurement
Total Credits: 03
CO1: Students will be aware of the functional element of instrumentation, their input-output configurations and methods of correction in measuring certain parameters.
CO2: Students will understand the different types of measurement techniques such as pressure flow measurement, electrical measurement, mechanical measurement etc.

Name of the Class: Bachelor of Science (Semester – V)
Name of the Paper: Electronics (Paper – X) Measurement Systems and Industrial Instrumentation
Total Credits: 03
CO1: Students gain understanding of different types of transducers such as capacitive transducers, inductive transducers, and resistive transducers and strain gauge transducers

CO2 Students will learn the data acquisition systems and the data processing techniques along with data storage and display techniques.

Name of the Class: Bachelor of Science (Semester – V)

Name of the Paper: Electronics (Paper – XI) Programming Language for Microcontroller

Total Credits: 03

CO1: Students learn the programming language of the microcontroller and in particular for 8051 microcontrollers.

CO2: Students comprehend the Arrays and Strings related to the programming language of microcontroller.

Name of the Class: Bachelor of Science (Semester – V)

Name of the Paper: Electronics - Practicals

Total Credits: 03

CO1: Students will gain an understanding using the basic logic gates and various reduction techniques of digital logic circuit in detail.

CO2: Students will be able to design and implement hardware circuit to test performance and application.

Name of the Class: Bachelor of Science (Semester – VI)

Name of the Paper: Electronics (Paper – VI) Linear Integrated Systems

Total Credits: 03

CO1: Students understand the linear integrated systems and in particular the op amp 741 based IC's frequency response.

CO2: Students comprehend the Comparator circuits like zero crossing detector, Schmitt trigger etc along with the 555 IC in detail and its applications as different multivibrators and PLL.

Name of the Class: Bachelor of Science (Semester – VI)

Name of the Paper: Electronics (Paper – VII) Advance Communication Systems

Total Credits: 03

CO1: Student will be able to know about advanced communication systems like the PCM, its SNR, Linear vs nonlinear PCM, compounding techniques and noise of the digital communication system.

CO2: Student will be able to comprehend satellite communication systems and will learn Kepler's law, Azimuth angle and Limits of visibility.

Name of the Class: Bachelor of Science (Semester – VI)

Name of the Paper: Electronics (Paper – VIII) Microcontroller and Embedded System

Total Credits: 03

CO1: Student will be able to write the advanced programs using microcontrollers and will also

be exposed to certain embedded systems such as Arduino.
CO2: Student will be able to understand the peripheral interfacing using embedded C.

Name of the Class: Bachelor of Science (Semester – VI)
Name of the Paper: Electronics (Paper – IX) Electronic Instrumentation
Total Credits: 03
CO1: Student will be able to know the Oscilloscope, CRT and construction and working of CRO.
CO2: Student will be able to understand the basic biomedical instruments such as ECG, PEG, EEG etc and also pulse meter and blood pressure meter.

Name of the Class: Bachelor of Science (Semester – VI)
Name of the Paper: Electronics (Paper – X) Applications of Communication Systems
Total Credits: 03
CO1: Student will be able to understand applications of communication systems and learn the most basic receiver called TRF receiver and move on to learning the advanced receiver like superheterodyne receiver
CO2: Student will be able to comprehend the complex system of RADAR including types of radars, block diagrams, their range equation and applications.

Name of the Class: Bachelor of Science (Semester – VI)
Name of the Paper: Electronics (Paper – XI) Simulation using MATLAB
Total Credits: 03
CO1: Students will have an understanding of the most scientific language of MATLAB.
CO2: Students will be able to write number of programs using MATLAB in their desktops and/or laptops.

Name of the Class: Bachelor of Science (Semester – VI)
Name of the Paper: Electronics - Practicals
Total Credits: 03
CO1: Students will gain an understanding of the LCD Display Interfacing
CO2: Will be able to design Zero Crossing Detector, Phase Shift Oscillator and Wien Bridge Oscillator.

Bachelor of Science - Mathematics

Programme Outcomes (PO)

PO-1 The mathematics UG students after the completion of the course will gain a thorough knowledge in preparing competitive examinations conducted by GPSC/UPSC/BSRB

PO-2 The UG curriculum offers need based computer courses which enable the students to solve computer oriented numerical problems.

PO-3 Abstract courses and mathematical structures includes in the UG program enable the students to prepare themselves for higher education leading to M.Sc./MCA degree courses.

Program Specific Outcomes (PSO)

PSO-1 Ability to calculate and reason to design complex and critical financial models for Bank and Insurance Companies.

PSO-2 Ability to understand both concrete and abstract problems.

PSO-3 Ability to make critical observations.

PSO-4 Ability to accurately organize, analyze and interpret data.

PSO-5 Develop the mathematical logic which is very useful for solving mathematical reasoning problems.

Course Outcomes (CO)

DEPARTMENT OF MATHEMATICS
Name of the Class: Bachelor of Science (Semester – I)
Name of the Paper: Mathematics (Paper – I) MTH-101 Trigonometry
Total Credits: 03
CO1: Real analysis enables the necessary background for measure theory.
CO2: Measure theory is used for finance, signal processing, wireless communications

Name of the Class: Bachelor of Science (Semester – II)
Name of the Paper: Mathematics (Paper – II) MTH-102: Differential Calculus
Total Credits: 03
CO1: Identify different types of differential equations and solve them
CO2: Solve the partial differential equation using Lagrange’s method

Name of the Class: Bachelor of Science (Semester – II)
Name of the Paper: Mathematics (Paper – I) MTH-201: Theory of Matrices
Total Credits: 03
CO1: Matrices are used in the study of electrical circuits, quantum mechanics and optics.
CO2: Matrices can help support various historical structures

Name of the Class: Bachelor of Science (Semester – II)

Name of the Paper: Mathematics (Paper – II) MTH-202: Integral Calculus and Differential Equation
Total Credits: 03
CO1: Ability to use differential equation in many other fields like, Medicine, Engineering, Chemistry, Physics, etc.
CO2: Form the partial differential equations by elimination of constants and elimination of functions

Name of the Class: Bachelor of Science (Semester – III)
Name of the Paper: Mathematics (Paper – III) MTH-301 Advanced Calculus-I
Total Credits: 03
CO1: Calculus is used to improve the architecture not only of buildings but also of important infrastructures such as bridges
CO2: The students will be able to compute limits, derivatives, and definite & indefinite integrals of algebraic, logarithmic and exponential functions.

Name of the Class: Bachelor of Science (Semester – III)
Name of the Paper: Mathematics (Paper – IV) MTH-302: Numerical analysis-I
Total Credits: 03
CO1: Ability to understand that if you cannot solve the problem directly, then replace it with ‘nearby problem’ which can be solved more easily.
CO2: The students will be able to formulate and prove conjectures about numeric patterns

Name of the Class: Bachelor of Science (Semester – III)
Name of the Paper: Mathematics (Paper – V) MTH-303: Differential Equations
Total Credits: 03
CO1: Ability to apply different kind of differential equations in our real life
CO2: The students will learn to solve linear differential equations using the Laplace transform technique.

Name of the Class: Bachelor of Science (Semester – IV)
Name of the Paper: Mathematics (Paper – III) MTH-401: Advanced Calculus-II
Total Credits: 03
CO1: Calculus can give the learners a generalized method of finding the slope of a curve, Calculating the Area of Any Shape, Visualizing Graphs, Finding the Average of a Function
CO2: Students will be able to apply derivative concepts to find tangent lines to level curves and to solve optimization problems,

Name of the Class: Bachelor of Science (Semester – IV)
Name of the Paper: Mathematics (Paper – IV) MTH-402: Numerical analysis-II
Total Credits: 03
CO1: Students will be able to define and interpret the concepts of divisibility, congruence, greatest common divisor, prime, and prime-factorization,
CO2: The students will learn to apply the Law of Quadratic Reciprocity and other methods to classify numbers as primitive roots, quadratic residues, and quadratic non-residues.

Name of the Class: Bachelor of Science (Semester – IV)
Name of the Paper: Mathematics (Paper – V) MTH-403: Introduction to Abstract Algebra
Total Credits: 03
CO1: Abstract algebra that used in almost all forms of digital storage and communication, from DVD players to satellite communication.
CO2: The students will learn to use various canonical types of groups (including cyclic groups and groups of permutations) and canonical types of rings (including polynomial rings and modular rings).

Name of the Class: Bachelor of Science (Semester – V)
Name of the Paper: Mathematics (Paper – VI) MTH-501: Group theory
Total Credits: 03
CO1: Group Theory application in Robotics, Computer Vision and Computer Graphics.
CO2: Permutations are frequently used in communication networks and parallel and distributed systems.

Name of the Class: Bachelor of Science (Semester – V)
Name of the Paper: Mathematics (Paper – VII) MTH-502: Linear Algebra-I
Total Credits: 03
CO1: Analyse finite and infinite dimensional vector spaces and subspaces over a field and their properties, including the basis structure of vector spaces.
CO2: Use the definition and properties of linear transformations and matrices of linear transformations and change of basis, including kernel, range and isomorphism,

Name of the Class: Bachelor of Science (Semester – V)
Name of the Paper: Mathematics (Paper – VIII) MTH-503: Real Analysis-I
Total Credits: 03
CO1: Use the definitions of convergence as they apply to sequences, series, and functions,
CO2: Apply the Mean Value Theorem and the Fundamental Theorem of Calculus to problems in the context of real analysis.

Name of the Class: Bachelor of Science (Semester – V)
Name of the Paper: Mathematics (Paper – IX) MTH-504: Real Analysis-II
Total Credits: 03
CO1: Produce rigorous proofs of results that arise in the context of real analysis.
CO2: Write solutions to problems and proofs of theorems that meet rigorous standards based on content, organization and coherence, argument and support, and style and mechanics.

Name of the Class: Bachelor of Science (Semester – V)
Name of the Paper: Mathematics (Paper – X) 505: Graph Theory
Total Credits: 03
CO1: The students will be able to apply principles and concepts of graph theory in practical situations.
CO2: Students will be able to describe and apply the relationship between the properties of a matrix representation of a graph and the structure of the underlying graph

Name of the Class: Bachelor of Science (Semester – V)
Name of the Paper: Mathematics (Paper – XI) MTH-506: Number Theory-I
Total Credits: 03
CO1: Number theory has been applied to Error correcting codes, Numerical integration, computer arithmetic, Random and quasirandom number generation
CO2: Number theory includes the theory of sequences over finite fields

Name of the Class: Bachelor of Science (Semester – VI)
Name of the Paper: Mathematics (Elective Generic) Operations Research-I
Total Credits: 03
CO1: Be able to understand the application of OR and frame a LP Problem with solution – graphical and through solver add in excel (software).
CO2: Be able to design and solve simple models of CPM and queuing to improve decision making and develop critical thinking and objective analysis of decision problems

Name of the Class: Bachelor of Science (Semester – VI)
Name of the Paper: Mathematics (Paper – VI) MTH-601: Ring Theory
Total Credits: 03
CO1: Students will be able to define ring and sub rings.
CO2: Students comprehend the Study of various integral domain in ring.

Name of the Class: Bachelor of Science (Semester – VI)
Name of the Paper: Mathematics (Paper – VII) MTH-602: Linear Algebra-II

Total Credits: 03
CO1: Introduction to vector space and subspace.
CO2: Use computational techniques and algebraic skills essential for the study of systems of Linear equations, matrix algebra, vector spaces, eigenvalues and eigenvectors, Orthogonality and Diagonalization. (Computational and Algebraic Skills)

Name of the Class: Bachelor of Science (Semester – VI)
Name of the Paper: Mathematics (Paper – VIII) MTH-603: Real Analysis-III
Total Credits: 03
CO1: Illustrate the effect of uniform convergence on the limit function with respect to continuity, differentiability, and integrability.
CO2: Understand Integrability and theorems on integrability. Recognize the difference between point wise and uniform convergence of a sequence of functions.

Name of the Class: Bachelor of Science (Semester – VI)
Name of the Paper: Mathematics (Paper – IX) MTH-604: Real Analysis-IV
Total Credits: 03
CO1: Demonstrate skills in constructing rigorous mathematical arguments;
CO2: Apply the theory in the course to solve a variety of problems at an appropriate level of difficulty;

Name of the Class: Bachelor of Science (Semester – VI)
Name of the Paper: Mathematics (Paper – X) MTH-605: Discrete Mathematics
Total Credits: 03
CO1: Upon completion of the course, the student will be able to use logical notation
CO2: Students will be able to apply recursive functions and solve recurrence relations

Name of the Class: Bachelor of Science (Semester – VI)
Name of the Paper: Mathematics (Paper – XI) MTH-606: Number Theory-II
Total Credits: 03
CO1: To present a rigorous development of Number Theory using axioms, definitions, examples, theorems and their proofs.
CO2: Students will be able to understand the definitions of congruence, residue classes and least residues

Name of the Class: Bachelor of Science (Semester – VI)
Name of the Paper: Mathematics (Elective Generic) 6001: Operations Research-II

Total Credits: 03
CO1: Be able to solve simple problems of replacement and implement practical cases of decision making under different business environments.
CO2: Enables to take best course of action out of several alternative courses for the purpose of achieving objectives by applying game theory and sequencing models.

**PROGRAMME OUTCOMES (PO)/PROGRAMME SPECIFIC OUTCOMES (PSO)/
COURSE OUTCOMES (CO) FOR POST-GRADUATE PROGRAMMES**

On the completion of a Postgraduate Programme in Arts and Science from Shree Jayendrapuri Arts and Science College, Bharuch, a learner would have obtained the following:

PO	Name of the PO	Description of the PO
1	Discipline	Attained profound expertise in Discipline
2	Multidisciplinary aptitude	Acquired ability to function in multidisciplinary domains
3	Research Intelligence	Attained ability to exercise Research Intelligence in investigations and Innovations
4	Professional Ethics	Acquired Ethical Principles and be committed to Professional Ethics
5	Self-reliant	Incorporated self-directed and life-long learning
6	Global perspective	Obtained Ability to maneuver in diverse contexts with Global Perspective
7	Social Interaction	Ability to elicit views of others, mediate disagreements and help reach conclusions in group settings
8	Problem solving and Analytical skills	Ability to think rationally, analyze situations and solve problems adequately

Master of Arts – Gujarati

Program Outcomes (PO)

PO-1 Students are familiarized with the elements of literature, the essence of literature

PO-2 Cultivate in the students the ability to sense-assess-evaluate the literary works

PO-3 Pragmatic information of correspondence and viable written work through the investigation of Poetry.

PO-3To gain knowledge of important terminology.

PO-4Students come to understand the mainstream of Literary Criticism and its subject matter

Programme Specific Outcomes (PSO)

PSO-1 Creating a Gujarati scholastic community well versed in both traditional as well as modern outlook and temperament.

PSO-2 Become proficient users of Gujarati language.

PSO-3Developing an understanding of contextual literature and its application

PSO-4Understanding the different nuances of meaning, form and purpose.

Course Outcomes (CO)

DEPARTMENT OF GUJARATI
Name of the Class: Master of Arts (Semester – I)
Name of the Paper: Gujarati: Paper-I Literary Forms-Works
Total Credits: 04
CO1: To acquaint the learner with the Novel form of Gujarati Literature
CO2: To enable the learner towards comparing Gujarati novel with novels written in other languages.

Name of the Class: Master of Arts (Semester – I)
Name of the Paper: Gujarati: Paper-II Indian and Western Literary Criticism
Total Credits: 04
CO1: Student will know the ancient tradition of Indian literary criticism.
CO2: Student will be able to make a comparative study of Indian and Western literary criticism.

Name of the Class: Master of Arts (Semester – I)
Name of the Paper: Gujarati: Paper-III Gujarati Literary Criticism
Total Credits: 04
CO1: To acquaint the learner with the Literary Criticism of Gujarati.
CO2: To sensitize the learner towards the origin, growth and development of Gujarati criticism.

Name of the Class: Master of Arts (Semester – I)
Name of the Paper: Gujarati: Paper-IV Modern and Post-modern Gujarati literature
Total Credits: 04
CO1: To acquaint the learner with the characteristics of modernism and post-modernism

CO2: To sensitize the learner towards the contemporary society.

Name of the Class: Master of Arts (Semester – I)
Name of the Paper: Gujarati: Paper-V Proof reading and Grammar
Total Credits: 04
CO1: To expand the horizons of the student’s knowledge to Proof reading and Grammar.
CO2: Will enable students to get employable.

Name of the Class: Master of Arts (Semester – I)
Name of the Paper: Gujarati: Term Paper
Total Credits: 04
CO1: Students develop a research aptitude.
CO2: Students learn to demonstrate proper usage of grammar and diction.

Name of the Class: Master of Arts (Semester – II)
Name of the Paper: Gujarati: Paper-VI Comparative Literature
Total Credits: 04
CO1: To acquaint the learner with the multi-disciplinary approach in literature.
CO2: To interpret a literary text or other cultural artifact in a non-native target language and to develop advanced skills in order to compare texts from a variety of different traditions, genres, periods, and areas

Name of the Class: Master of Arts (Semester – II)
Name of the Paper: Gujarati: Paper-VII Linguistics
Total Credits: 04
CO1: Students will be able to have knowledge of Speech Sounds.
CO2: Make linguistic analysis through modern linguistic research methods.

Name of the Class: Master of Arts (Semester – II)
Name of the Paper: Gujarati: Paper-VIII Gujarati Literary Criticism
Total Credits: 04
CO1: To acquaint the learner with the literary theories of Gujarati.
CO2: To sensitize the learner towards applying the theories to the reading of literature.

Name of the Class: Master of Arts (Semester – II)
Name of the Paper: Gujarati: Paper-IX Post-Modern Literature

Total Credits: 04
CO1: To acquaint the learner with the Post-Modernist movement in Gujarati.
CO2: To sensitize the learner towards contemporary world.

Name of the Class: Master of Arts (Semester – II)
Name of the Paper: Gujarati: Paper-X Literature and Film
Total Credits: 04
CO1: Students will be able to understand the difference between Literature and Film
CO2: Students will be able to comprehend the salient features of film making.

Name of the Class: Master of Arts (Semester – II)
Name of the Paper: Gujarati: Term Paper
Total Credits: 04
CO1: Students develop a research aptitude.
CO2: Students learn to demonstrate proper usage of grammar and diction.

Name of the Class: Master of Arts (Semester – III)
Name of the Paper: Gujarati: Paper-XI Indian Literature
Total Credits: 04
CO1: The student is introduced to the Indian Literature.
CO2: Empowerment of students to use their study of literature to initiate cultural, ethical, and global awareness.

Name of the Class: Master of Arts (Semester – III)
Name of the Paper: Gujarati: Paper-XII Western Literary Criticism
Total Credits: 04
CO2: Students learn the literary theories of the West
CO3: Students are able to comprehend the cross-cultural effect in literature.

Name of the Class: Master of Arts (Semester – III)
Name of the Paper: Gujarati: Paper-XIII Folk Literature-I
Total Credits: 04
CO2: Students will be able to know their own native culture and tradition.
CO3: Students will comprehend the socio-economic conditions of the society.

Name of the Class: Master of Arts (Semester – III)
Name of the Paper: Gujarati: Paper-XIV Medieval Period

Total Credits: 04
CO2: Students will be able to know the socio-political conditions of the Medieval Period.
CO3: Students will be able to trace the growth and development of Gujarati Literature.

Name of the Class: Master of Arts (Semester – III)
Name of the Paper: Gujarati: Paper-XV Literary Authors
Total Credits: 04
CO2: Students will be able to know the biographical details of certain authors
CO3: Students will be able to comprehend the personal and impersonal factors affecting authors.

Name of the Class: Master of Arts (Semester – III)
Name of the Paper: Gujarati: Term Paper
Total Credits: 04
CO1: Students develop a research aptitude.
CO2: Students learn to demonstrate proper usage of grammar and diction.

Name of the Class: Master of Arts (Semester – IV)
Name of the Paper: Gujarati: Paper-XVI World Literature
Total Credits: 04
CO1: Students would have knowledge of world literature.
CO2: Students will be able to connect world literature with Gujarati literature.

Name of the Class: Master of Arts (Semester – IV)
Name of the Paper: Gujarati: Paper-XVII Linguistics
Total Credits: 04
CO1: Students learn the syntax and morphology of Gujarati language.
CO2: Students comprehend the theories of certain Linguists.

Name of the Class: Master of Arts (Semester – IV)
Name of the Paper: Gujarati: Paper-XVIII Folk Literature-II
Total Credits: 04
CO1: Students knows the methods of folklore investigation.
CO2: Students will be able to evaluate theories related to folk literature.

Name of the Class: Master of Arts (Semester – IV)
Name of the Paper: Gujarati: Paper-XIX Modern Literature
Total Credits: 04
CO1: The student will be able to acquire practical knowledge of the dominant movements and trends in modern literature.
CO2: The student learns to appreciate the literary worth, social relevance and timeless appeal of modern literature.

Name of the Class: Master of Arts (Semester – IV)
Name of the Paper: Gujarati: Paper-XX Literature and Journalism
Total Credits: 04
CO1: Students will be able to identify Journalism as a mission and profession
CO2: Students will be able to demonstrate competency in effective communication

Name of the Class: Master of Arts (Semester – IV)
Name of the Paper: Gujarati: Term Paper
Total Credits: 04
CO1: Students develop a research aptitude.
CO2: Students learn to demonstrate proper usage of grammar and diction.

Master of Arts – Hindi

Programme Outcomes (PO)

PO-1 To acquaint the students with the Hindi literature of the ancient, medieval and modern times.

PO-2 Providing the students with an all-round knowledge of the linguistic system of Hindi

PO-3 Enhancing the employability of the students through an acquaintance with the national language

PO-4 Making the students aware about the relevance of expanding the horizon of sensation and knowledge.

Programme Specific Outcomes (PSO)

PSO-1 Understanding the historical development of the Hindi language, geographical details, linguistic appearance and diversity.

PSO-2 To impart the students with the related knowledge and skills of the Hindi language

PSO-3 The study of Hindi literature is expedient in order to understand and test the composition in its entirety by acquiring taste of the composition with social and cultural environment.

PSO-4 To provide the students a complete study of Hindi in various fields to fulfil the diverse needs and responsibilities of life and society.

Course Outcomes(CO)

DEPARTMENT OF HINDI

Name of the Class: Master of Arts (Semester – I)
Name of the Paper: Hindi: Paper-I Ancient and Medieval Poetry
Total Credits: 04
CO1: Understand poetry form in Hindi literature.
CO2: To enable the learner to trace the origin, growth and development of Hindi poetry.

Name of the Class: Master of Arts (Semester – I)
Name of the Paper: Hindi: Paper-II Indian Poetics and Criticism
Total Credits: 04
CO1: Student will be able to describe the concepts, terminology, and School of thoughts of Indian Poetics.
CO2: Student will be able to apply theories of Indian poetics to analyze poetic texts.

Name of the Class: Master of Arts (Semester – I)
Name of the Paper: Hindi: Paper-III Functional Hindi-I
Total Credits: 04
CO1: Students will be able to describe the concepts, terminology, and various Registers of Functional Hindi.
CO2: Students will be able to analyze the sentences of the administrative Hindi

Name of the Class: Master of Arts (Semester – I)
Name of the Paper: Hindi: Paper-IV Modern Hindi Poetry
Total Credits: 04
CO1: Students will be able to describe the concepts of Renaissance and History of modern Hindi literature
CO2: Students will be able to analyze modern trends of Hindi literature.

Name of the Class: Master of Arts (Semester – I)
Name of the Paper: Hindi: Paper-V Aboriginal Literature
Total Credits: 04
CO1: Students will be able to understand the importance of cultural awareness for Aboriginal Literature.
CO2: Students will be able to pass on the richness of Aboriginal Literature to future generations.

Name of the Class: Master of Arts (Semester – I)
Name of the Paper: Hindi: Term Paper
Total Credits: 04
CO1: Students develop a research aptitude.
CO2: Students learn to demonstrate proper usage of grammar and diction.

Name of the Class: Master of Arts (Semester – II)
Name of the Paper: Hindi: Paper-VI Ancient and Medieval Poetry
Total Credits: 04
CO1: Students will be able to describe the concepts, terminology, and School of thoughts of the different movements in Hindi poetry.
CO2: Students will be able to develop aesthetic sensibility and creativity.

Name of the Class: Master of Arts (Semester – II)
Name of the Paper: Hindi: Paper-VII Western Poetics and Criticism
Total Credits: 04
CO1: Students will be able to describe the history and development of Western Poetics, various concepts and theories
CO2: Students will be able to analyze the difference between the concept of Indian Poetics and Western Poetics.

Name of the Class: Master of Arts (Semester – II)
Name of the Paper: Hindi: Paper-VIII Functional Hindi-II
Total Credits: 04
CO1: Students will be able to apply technical terminology of various registers in Functional Hindi usages.
CO2: Students will be able to develop translation capacity of administrative terminology and Language skills.

Name of the Class: Master of Arts (Semester – II)
Name of the Paper: Hindi: Paper-IX Modern Hindi Poetry
Total Credits: 04
CO1: Students will be able to describe the concepts of modern Hindi Poetry.
CO2: Students will be able to analyze modern trends of Hindi poetry.

Name of the Class: Master of Arts (Semester – II)
Name of the Paper: Hindi: Paper-X Visual Writing
Total Credits: 04
CO1: Students will be able to understand professional writing by studying communication contexts and genres.
CO2: Students will be able to practice the unique qualities of professional rhetoric and writing style.

Name of the Class: Master of Arts (Semester – II)
Name of the Paper: Hindi: Term Paper
Total Credits: 04
CO1: Students develop a research aptitude.
CO2: Students learn to demonstrate proper usage of grammar and diction.

Name of the Class: Master of Arts (Semester – III)
Name of the Paper: Hindi: Paper-XI Linguistics
Total Credits: 04
CO1: Students will be able to describe the phone, phoneme, allophone, morpheme, syntax and semantics.
CO2: Students will be able to apply theories of Linguistics on Literature.

Name of the Class: Master of Arts (Semester – III)
Name of the Paper: Hindi: Paper-XII History of Hindi Literature-I
Total Credits: 04
CO1: Students will be able to describe the development of Hindi literature.
CO2: Students are able to comprehend the socio-economic conditions of the different periods.

Name of the Class: Master of Arts (Semester – III)
Name of the Paper: Hindi: Paper-XIII Indian Literature-I
Total Credits: 04
CO1: Students will be able to know their own native culture and tradition.
CO2: Students will comprehend the socio-economic conditions of the society.

Name of the Class: Master of Arts (Semester – III)
Name of the Paper: Hindi: Paper-XIV Hindi Novel
Total Credits: 04
CO1: Students will be able to understand the Hindi Novel.
CO2: Students will be able to describe the various techniques of the Hindi Novel.

Name of the Class: Master of Arts (Semester – III)
Name of the Paper: Hindi: Paper-XV Folk Literature and Adivasi Movement
Total Credits: 04
CO1: Students will be able to describe the history and development of Adivasi Writing.
CO2: Students will be able to analyze the Social and Cultural background of Adivasi Writing.

Name of the Class: Master of Arts (Semester – III)
Name of the Paper: Hindi: Term Paper
Total Credits: 04

CO1: Students develop a research aptitude.
CO2: Students learn to demonstrate proper usage of grammar and diction.

Name of the Class: Master of Arts (Semester – IV)
Name of the Paper: Hindi: Paper-XVI Hindi Language
Total Credits: 04
CO1: Students will be able to describe the history of Hindi Language.
CO2: Students will be able to develop Hindi language skills.

Name of the Class: Master of Arts (Semester – IV)
Name of the Paper: Hindi: Paper-XVII History of Hindi Literature-II
Total Credits: 04
CO1: Students will be able to analyze the Social and Cultural background of Hindi Literature.
CO2: Students will be able to apply the knowledge of History of Literature while analyzing the Hindi texts.

Name of the Class: Master of Arts (Semester – IV)
Name of the Paper: Hindi: Paper-XVIII Indian Literature-II
Total Credits: 04
CO1: Students knows the growth and development of Indian literature especially in Hindi.
CO2: Students will be able to evaluate theories related to Indian literature.

Name of the Class: Master of Arts (Semester – IV)
Name of the Paper: Hindi: Paper-XIX Hindi Novel-II
Total Credits: 04
CO1: The student will be able to acquire practical knowledge of the dominant movements and trends in Hindi Novel.
CO2: The student learns to appreciate the literary worth, social relevance and timeless appeal of Hindi Novel.

Name of the Class: Master of Arts (Semester – IV)
Name of the Paper: Hindi: Paper-XX Journalistic Writing
Total Credits: 04
CO1: Students will be able to identify Journalism as a mission and profession.
CO2: Students will be able to apply the technical terminology in Hindi journalism.

Name of the Class: Master of Arts (Semester – IV)
Name of the Paper: Hindi: Term Paper
Total Credits: 04
CO1: Students develop a research aptitude.

CO2: Students learn to demonstrate proper usage of grammar and diction.

Master of Arts – Psychology

Programme Outcomes (PO)

PO-1 The main essence of psychology is individual differences and the factors like genetics and environment (including culture) that make individuals different.

PO-2 It also focuses on the behavior of individuals in different social settings.

PO-3 Various standardized tests and scales are developed in Psychology that can be used to measure psychological entities. Such tests can be used to measure intelligence, personality, attitude, aptitude, adjustment, self-concept and so on.

PO-4 To give the learners a sound base in psychology and human behavior through an in-depth investigation into a broad range of psychological techniques and skills as applied to diverse settings.

Programme Specific Outcomes (PSO)

PSO-1 Students would gain conceptual and theoretical knowledge of psychological principles and would be able to apply them in research and professional areas.

PSO-2 Students would understand the application of psychological principles in applied areas of Psychology and would be able to apply them in professional areas.

PSO-3 Students would gain competencies and professional skills for working and conducting research in the field of Clinical Psychology, Counselling and Health Psychology.

PSO-4 It inculcates in them a spirit of critical enquiry and develops their analytical and creative faculties.

Course Outcomes (CO)

DEPARTMENT OF PSYCHOLOGY
Name of the Class: Master of Arts (Semester – I)
Name of the Paper: Psychology: Paper-I CCT-01: Theory and Systems of Psychology - I
Total Credits: 04
CO1: Students will be able to understand the various theories and systems of psychology.
CO2: Students will develop theoretical base of Psychology.

Name of the Class: Master of Arts (Semester – I)
Name of the Paper: Psychology: Paper-II CCT-02: Experimental Designs in Psychology and Psychological Statistics-I
Total Credits: 04
CO1: Will familiarize students with various designs of experiments along with statistical procedures.
CO2: Student will be able to calculate the statistics necessary to solve problems.

Name of the Class: Master of Arts (Semester – I)
Name of the Paper: Psychology: Paper-III CCT-03: Clinical Psychology-I
Total Credits: 04
CO1: Students will be able to understand the contribution of different theoretical approaches to psychopathology to the area of clinical and aims.
CO2: Students will receive training in different approaches to counseling and psychotherapy.

Name of the Class: Master of Arts (Semester – I)
Name of the Paper: Psychology: Paper-IV ECT-01: Research Methodology –I (Elective Course)
Total Credits: 04
CO1: Students will be familiarized with students with various steps involved in Research Process.
CO2: Students are apprised with the methods such as observation, questionnaire Interview and other.

Name of the Class: Master of Arts (Semester – I)
Name of the Paper: Psychology: Paper-V ICT -01: Health Psychology – I (Inter/Multi-Disciplinary Course)
Total Credits: 04
CO1: Students will comprehend Health Psychology as an interdisciplinary field.
CO2: Students will be able to relate Health Psychology to other science fields—bio-psychosocial perspective on Health and Illness.

Name of the Class: Master of Arts (Semester – I)
Name of the Paper: Psychology: Term Paper
Total Credits: 04
CO1: Students develop a research aptitude.
CO2: Students learn to demonstrate proper usage of grammar and diction.

Name of the Class: Master of Arts (Semester – II)
--

Name of the Paper: Psychology: Paper-VI CCT-06: Theory and Systems of Psychology - II
Total Credits: 04
CO1: Students will be acquainted with various theories and systems of psychology.
CO2: Students will be able to describe the value of psychology and possible careers paths for those who study psychology.

Name of the Class: Master of Arts (Semester – II)
Name of the Paper: Psychology: Paper-VII CCT-07: Experimental Designs in Psychology and Psychological Statistics-II
Total Credits: 04
CO1: Students will be able to explain the difference between between-subjects and within-subjects experiments, list some of the pros and cons of each approach, and decide which approach to use to answer a particular research question.
CO2: Students will be able to develop the ability to understand statistical techniques to analyze experimental data so as to reach objective conclusions based on the obtained data.

Name of the Class: Master of Arts (Semester – II)
Name of the Paper: Psychology: Paper-VIII CCT-08: Clinical Psychology-II
Total Credits: 04
CO1: Students will obtain knowledge in the various theories of psychotherapy, including analytic, humanistic-existential and cognitive-behavioral.
CO2: Students will be globally minded and equipped to serve within the profession of clinical psychology, developing the necessary foundational and functional skills to competently, ethically, and effectively function as a clinical psychologist in a wide variety of settings with diverse populations.

Name of the Class: Master of Arts (Semester – II)
Name of the Paper: Psychology: Paper-IX ECT-02: Research Methodology –II (Elective Course)
Total Credits: 04
CO1: Students will obtain knowledge in quantitative and qualitative research methods, as well as experimental and non-experimental research designs.
CO2: Students will gain an understanding of assessment strategies, sampling methods, replication, and strategies for testing and validating theories.

Name of the Class: Master of Arts (Semester – II)
Name of the Paper: Psychology: Paper-X ICT -02: Health Psychology – II (Inter/Multi-Disciplinary Course)
Total Credits: 04
CO1: Students will be able to Demonstrate understanding of the biological, behavioral, cognitive

and social determinants of health, and risk factors for health-compromising behaviors and strategies for their modification, across the lifespan.

CO2: Students will be able to Demonstrate advanced knowledge of individual, group and community-based approaches to the prevention and management of major identifiable health conditions (both acute and chronic).

Name of the Class: Master of Arts (Semester – II)

Name of the Paper: Psychology: Term Paper

Total Credits: 04

CO1: Students develop a research aptitude.

CO2: Students learn to demonstrate proper usage of grammar and diction.

Name of the Class: Master of Arts (Semester – III)

Name of the Paper: Psychology: Paper-XI CCT-11: Organizational Behaviour – I

Total Credits: 04

CO1: To help the students to develop cognizance of the importance of human behavior.

CO2: To enable students to describe how people behave under different conditions and understand why people behave as they do.

Name of the Class: Master of Arts (Semester – III)

Name of the Paper: Psychology: Paper-XIICCT-12: Psychological Assessment – I

Total Credits: 04

CO1: Students will be able to demonstrate competence in the selection, administration, and scoring of assessment measures

CO2: Students will be able to demonstrate competence in writing a report of a professional standard.

Name of the Class: Master of Arts (Semester – III)

Name of the Paper: Psychology: Paper-XIII CCT-13: Advanced Social Psychology -I

Total Credits: 04

CO1: Students will explain behavior using current theory and research in the affective, social, individual differences, and cognitive areas of psychology.

CO2: Students will be able to articulate the history of social psychology, how the specialty of social psychology is unique, and how to develop an identity as a social psychologist.

Name of the Class: Master of Arts (Semester – III)

Name of the Paper: Psychology: Paper-XIV ECT-03: Experimental Psychology (Practicals) – I

Total Credits: 04
CO1: Students would gain proficiency in theoretical knowledge of psychological principles and apply them in research and professional areas.
CO2: Students would gain proficiency in research methodology and assessment techniques in Psychology and would be able to conduct and analyze research in Psychology.

Name of the Class: Master of Arts (Semester – III)
Name of the Paper: Psychology: Paper-XV ICT -03: Consumer Psychology – I
Total Credits: 04
CO1: Students will be able to articulate the factors that influence consumer decisions.
CO2: Students will be able to understand how to influence different stages of the consumer decision making process.

Name of the Class: Master of Arts (Semester – III)
Name of the Paper: Psychology: Term Paper
Total Credits: 04
CO1: Students develop a research aptitude.
CO2: Students learn to demonstrate proper usage of grammar and diction.

Name of the Class: Master of Arts (Semester – IV)
Name of the Paper: Psychology: Paper-XVI CCT-16: Organizational Behaviour – II
Total Credits: 04
CO1: Students will be able to describe organizational behavior and differentiate between the three levels of influence.
CO2: Students will be able to describe contemporary issues and topics in organizational behavior

Name of the Class: Master of Arts (Semester – IV)
Name of the Paper: Psychology: Paper-XVII CCT-17: Psychological Assessment – II
Total Credits: 04
CO1: Students will be able to demonstrate competence in drawing inferences from the results within a hypothesis generating and hypothesis testing framework
CO2: Students will be able to demonstrate competence in writing a report of a professional standard.

Name of the Class: Master of Arts (Semester – IV)
Name of the Paper: Psychology: Paper-XVIII CCT-18: Advanced Social Psychology -II
Total Credits: 04
CO1: Students will be able to compare and contrast the major theories, concepts, empirical findings, methods and techniques used in social psychology
CO2: Students will be able to critique the major theories, concepts, perspectives, and empirical

findings in social psychology

Name of the Class: Master of Arts (Semester – IV)
Name of the Paper: Psychology: Paper-XIX ECT-04: Experimental Psychology (Practicals) – II
Total Credits: 04
CO1: The student will be able to explain the logic of experimental and non-experimental research.
CO2: The student learns to compare and contrast several different experimental designs.

Name of the Class: Master of Arts (Semester – IV)
Name of the Paper: Psychology: Paper-XXICT -04: Consumer Psychology – II
Total Credits: 04
CO1: Students will be able to relate internal dynamics such as personality, perception, learning motivation and attitude to the choices consumers make
CO2: Students will be able to use appropriate research approaches including sampling, data collection and questionnaire design for specific marketing situations.

Name of the Class: Master of Arts (Semester – IV)
Name of the Paper: Psychology: Term Paper
Total Credits: 04
CO1: Students develop a research aptitude.
CO2: Students learn to demonstrate proper usage of grammar and diction.

Master of Arts – Sanskrit

Programme Outcomes (PO)

PO-1 The students would be able to understand the secrets of Sanskrit literature

PO-2 Provide adequate knowledge of Sanskrit language which enables students to understand Sanskrit environmental, national and global scenarios

PO-3 The program would provide the critical reasoning, understanding of Sanskrit literature and have the capacity for analysis of key features and concepts of various commentaries in the discipline.

PO-4 Gain competencies and professional skills for teaching and conducting research in various fields in Sanskrit Grammar, Classical Sanskrit Literature, Vedic Literature and ancient Indian philosophy.

PO-5 The students would be able to understand societies and multi-dimensional applications of Sanskrit language

PO-6 Understanding ancient scriptures written in Sanskrit, Pali & Prakrit.

PO-7 Inculcating in students social responsibility through Sanskrit literature student becomes responsible citizen of nation

Programme Specific Outcomes (PSO)

PSO-1 Creating a Sanskrit scholastic community well versed in both traditional as well as modern outlook and temperament.

PSO-2 Become proficient users of Sanskrit language.

PSO-3 Create awareness about interdisciplinary perspectives of Sanskrit language

PSO-4 Produce right knowledge about the utility of the Vedic ritualistic performances.

Course Outcomes (CO)

DEPARTMENT OF SANSKRIT
Name of the Class: Master of Arts (Semester – I)
Name of the Paper: Sanskrit: Paper-I Sanskrit Classical Literature - Epic
Total Credits: 04
CO1: To acquaint the learner with the Epic form of Sanskrit Literature
CO2: To enable the learner towards an understanding of the morality as it existed in the Ancient times.

Name of the Class: Master of Arts (Semester – I)
Name of the Paper: Sanskrit: Paper-II Vedic Literature- Rig-Veda
Total Credits: 04
CO1: Student will know the origin and development of the Vedas especially Rig-Veda
CO2: By studying the Rig Veda students come to know about the social, religious, political and economic background of the Rig Vedic civilization.

Name of the Class: Master of Arts (Semester – I)
Name of the Paper: Sanskrit: Paper-III Indian Philosophy
Total Credits: 04
CO1: Students will learn about the Indian Philosophy, Religion and Culture in Sanskrit tradition
CO2: Students will develop capability to apply analytic thought to a body of knowledge; analyses and evaluate evidence, arguments, claims, and beliefs on the basic of empirical evidence.

Name of the Class: Master of Arts (Semester – I)
Name of the Paper: Sanskrit: Paper-IV Sanskrit Poetics
Total Credits: 04
CO1: Students will develop the ability to critically assess existing research through careful reading, analysis, and discussion.
CO2: Students will develop an advanced command of the Sanskrit language through advanced text reading

Name of the Class: Master of Arts (Semester – I)
Name of the Paper: Sanskrit: Paper-V Dharma Shastra, Purana and History
Total Credits: 04
CO1: To expand the horizons of the student's knowledge towards Purana and History of Sanskrit literature.
CO2: Will enable students to equate Dharma with History.

Name of the Class: Master of Arts (Semester – I)
Name of the Paper: Sanskrit: Term Paper
Total Credits: 04
CO1: Students develop a research aptitude.
CO2: Students learn to demonstrate proper usage of grammar and diction.

Name of the Class: Master of Arts (Semester – II)
Name of the Paper: Sanskrit: Paper-VI Sanskrit Classical Literature-Uttar Ramcharitam
Total Credits: 04
CO1: Students will be able to comprehend <i>Uttararamcharitam</i> from the perspective of ethical, social and cultural values and principles.
CO2: Students will be able to understand the dramatic techniques used by Bhavabhuti.

Name of the Class: Master of Arts (Semester – II)
Name of the Paper: Sanskrit: Paper-VII Vedic Literature
Total Credits: 04
CO1: Students will be able to demonstrate the different dimensions of Vedic culture on the basis of Vedic literature.
CO2: Students will be able to explain the value systems embedded in the Vedic literature.

Name of the Class: Master of Arts (Semester – II)
Name of the Paper: Sanskrit: Paper-VIII Smruti Sahitya and Sanskrit Essay
Total Credits: 04
CO1: Students will know the Smruti Sahitya and Sanskrit Essay forms

CO2: Students will be able to understand the stylistic features of Sanskrit essay form.

Name of the Class: Master of Arts (Semester – II)

Name of the Paper: Sanskrit: Paper-IX Alankara Shastra

Total Credits: 04

CO1: To acquaint the learner with the Alankara of Sanskrit.

CO2: To develop an ability to appreciate poetry.

Name of the Class: Master of Arts (Semester – II)

Name of the Paper: Sanskrit: Paper-X Mahabharata Canto 1-36

Total Credits: 04

CO1: The *Mahabharata* also holds great moral and ethical value that can inspire and teaches the youth of our generation to move in the righteous direction to achieve their goals.

CO2: Students will be able to comprehend the salient features of Ancient Indian society.

Name of the Class: Master of Arts (Semester – II)

Name of the Paper: Sanskrit: Term Paper

Total Credits: 04

CO1: Students develop a research aptitude.

CO2: Students learn to demonstrate proper usage of grammar and diction.

Name of the Class: Master of Arts (Semester – III)

Name of the Paper: Sanskrit: Paper-XI Sanskrit Classical Literature - Prose

Total Credits: 04

CO1: Students will be able to understand the origin, growth and development of Sanskrit Prose.

CO2: Students will be able to comprehend the salient features of Sanskrit Prose.

Name of the Class: Master of Arts (Semester – III)

Name of the Paper: Sanskrit: Paper-XII Vedang Literature

Total Credits: 04

CO1: Students will be able to understand the basics of Sanskrit Linguistics.

CO2: Students are able to comprehend the features of Folk Literature.

Name of the Class: Master of Arts (Semester – III)

Name of the Paper: Sanskrit: Paper-XIII Epigraphy

Total Credits: 04

CO1: Students will be able to understand the area of epigraphy.
CO2: Students will comprehend the socio-economic conditions of the society at a given time.

Name of the Class: Master of Arts (Semester – III)
Name of the Paper: Sanskrit: Paper-XIV Sanskrit Poetics
Total Credits: 04
CO1: Students will be able to know the origin and development of Sanskrit Poetics.
CO2: Students will be able to trace the salient features of Sanskrit Poetics.

Name of the Class: Master of Arts (Semester – III)
Name of the Paper: Sanskrit: Paper-XV Dharma Shastra, Purana, History
Total Credits: 04
CO1: After completing this course students are expected to have a fair knowledge about the sources of Ancient Indian History.
CO2: Students will be able to comprehend the political principles of Kautilya.

Name of the Class: Master of Arts (Semester – III)
Name of the Paper: Sanskrit: Term Paper
Total Credits: 04
CO1: Students develop a research aptitude.
CO2: Students learn to demonstrate proper usage of grammar and diction.

Name of the Class: Master of Arts (Semester – IV)
Name of the Paper: Sanskrit: Paper-XV Sanskrit Classical Literature - Stotakavya&Khandkavya
Total Credits: 04
CO1: Students would have knowledge of Stotakavya and Khand Kavya.
CO2: Students will be able to apply the knowledge of Stotakavya and Khand Kavya to study poetry.

Name of the Class: Master of Arts (Semester – IV)
Name of the Paper: Sanskrit: Paper-XVII Vedic Literature and Letter writing
Total Credits: 04
CO1: Students will be able to understand the Vedic hymns, its poetical and philosophical aspects.
CO2: Students comprehend the art of writing letters in Sanskrit.

Name of the Class: Master of Arts (Semester – IV)
Name of the Paper: Sanskrit: Paper-XVIII Textual Criticism
Total Credits: 04

CO1: Students knows the methods of Sanskrit prosody.
CO2: Students will be able to apply theories to the reading of Sanskrit literature.

Name of the Class: Master of Arts (Semester – IV)
Name of the Paper: Sanskrit: Paper-XIX Alankara Shastra
Total Credits: 04
CO1: The student will be able to understand the different Alankara of Sanskrit.
CO2: The student learns to analyze the development of Sanskrit poetics.

Name of the Class: Master of Arts (Semester – IV)
Name of the Paper: Sanskrit: Paper-XX Modern Sanskrit Short story and Functional Sanskrit
Total Credits: 04
CO1: Students will be able to know the short story form in Modern Sanskrit literature.
CO2: Students will be able to demonstrate competency in effective communication.
Name of the Class: Master of Arts (Semester – IV)
Name of the Paper: Sanskrit: Term Paper
Total Credits: 04
CO1: Students develop a research aptitude.
CO2: Students learn to demonstrate proper usage of grammar and diction.

Master of Science – Chemistry

Programme Outcomes (PO)

PO-1 Augment the recent developments in the field of green and eco-friendly reactions, pharmaceutical, Bioinorganic Chemistry and relevant fields of research and development.

PO-2 Enhance the scientific temper among the students so as to develop a research culture and implementation of the policies to tackle the burning issues at global and local level.

PO-3 Apply the knowledge to develop the sustainable and eco-friendly technology in Industrial Chemistry.

PO-4 Helping students to learn to collaborate effectively on team-oriented projects in the field of Chemistry or other related fields.

Programme Specific Outcomes (PSO)

PSO-1 Demonstrate and apply the fundamental knowledge of the basic principles in various fields of Chemistry

PSO-2 Create awareness and sense of responsibilities towards environment and apply knowledge to solve the issues related to Environmental pollution.

PSO-3 Apply knowledge to build up small scale industry for developing endogenous product.

PSO-4 Apply various aspects of chemistry in natural products isolations, pharmaceuticals, dyes, textiles, polymers, petroleum products, forensic etc. and also to develop interdisciplinary approach of the subject.

Course Outcomes (CO)

DEPARTMENT OF CHEMISTRY
Name of the Class: Master of Science (Semester – I)
Name of the Paper: Chemistry: Paper-II Inorganic Chemistry
Total Credits: 04
CO1: Students will be able to understand symmetry and group theory in chemistry and its applications.
CO2: Students will conceive quantum numbers, Schrodinger equation, Eigen values and different types of operator.

Name of the Class: Master of Science (Semester – I)
Name of the Paper: Chemistry: Paper-II Organic Chemistry
Total Credits: 04
CO1: Student will be able to understand organic reaction intermediates, generation, structures, stability and reaction carbocations, carbanions, carbenes, free radicals and Pericyclic reaction.
CO2: Student will be able to comprehend substitution and elimination reaction, optical activity in compounds without chirality and analyze stereochemical aspects involved in different compounds.

Name of the Class: Master of Science (Semester – I)
Name of the Paper: Chemistry: Paper-III Physical Chemistry
Total Credits: 04
CO1: Students will be able to understand chemical kinetics, reversible reactions, kinetics of general chain reaction, activation energy and different thermodynamic laws.
CO2: Students will be able to comprehend the basics of statistical thermodynamic and polymer chemistry.

Name of the Class: Master of Science (Semester – I)
Name of the Paper: Chemistry: Paper-IV Instrumental and Chemical Analysis
Total Credits: 04
CO1: Students will be able to explain the fundamentals of UV-visible spectroscopy as well as thin layer and gas chromatography.
CO2: Students will be able to understand chemical mathematics and different thermal methods of analysis.

Name of the Class: Master of Science (Semester – I)
--

Name of the Paper: Chemistry-Practicals
Total Credits: 04
CO1: Students will be able to perform inorganic qualitative analysis including one rare element and various inorganic preparations.
CO2: Students will be able to perform ternary mixtures of an organic compounds, separation, identification and preparation of derivatives and paper chromatography.
CO3: Students will be able to perform P ^H metrically, potentiometrically, conductivity measurements, calorimetrically, chemical kinetic, study of ternary phase diagram, surface tension and viscosity measurement.

Name of the Class: Master of Science (Semester – II)
Name of the Paper: Chemistry: I Inorganic Chemistry
Total Credits: 04
CO1: Students will be able to understand the applicability of concepts like magnetochemistry and metal pie complexes.
CO2: Students will be able to understand inorganic polymers and co-ordination compounds.

Name of the Class: Master of Science (Semester – II)
Name of the Paper: Chemistry: Paper-II Organic Chemistry
Total Credits: 04
CO1: Students will be able to gain knowledge on reactions and understand the mechanism of different organic name reactions and organic transformation and reagents.
CO2: Students will be able to conceive aromaticity, antiaromaticity, homoaromaticity and no aromaticity.

Name of the Class: Master of Science (Semester – II)
Name of the Paper: Chemistry: Paper-III Physical Chemistry
Total Credits: 04
CO1: Students will know the theories of electrolytic conductance and over voltage and surface chemistry
CO2: Students will be able to understand colloids and molecular spectroscopy.

Name of the Class: Master of Science (Semester – II)
Name of the Paper: Chemistry: Paper-IV Instrumental and Chemical Analysis
Total Credits: 04
CO1: Students will be able to know IR spectrophotometry and liquid chromatography.
CO2: Students will be able to explain analytical techniques in terms of working principle of volumetric, titrimetric and elemental analysis and also comprehend green chemistry and water analysis.

Name of the Class: Master of Science (Semester – II)
Name of the Paper: Chemistry-Practicals

Total Credits: 04
CO1: Students will be able to perform different gravimetric analysis, estimation of ions and ore sample, volumetric analysis of two cations in admixture, percentage purity of salt sample.
CO2: Students will be able to perform different preparations of an organic compounds, organic estimations like (Acid + Ester), (Acid + Amide), Formaldehyde and Glycine.
CO3: Students will perform P ^H metrically, conductometrically, colourimetrically, equilibrium constant by distribution method, chemical kinetic, partition coefficient, study of Phenol-water and Phenol-NaCl system (CST).

Name of the Class: Master of Science (Semester – III)
Name of the Paper: Chemistry: Paper-I Natural Products and Bio-molecules
Total Credits: 04
CO1: Students will know the structure function of natural pigments and alkaloids, steroids and sex hormones.
CO2: Students will be able to know the structure, properties of vitamins and terpenoids as well as nucleic acids and enzymes.

Name of the Class: Master of Science (Semester – III)
Name of the Paper: Chemistry: Paper-II Selected topics on Organic Chemistry-I
Total Credits: 04
CO1: Students will be able to explain the principle of NMR and FTNMR, theory of ¹ H, ¹³ C NMR and 2D NMR techniques.
CO2: Students will be able to apply basic chemical concepts related environmental chemistry problems (air, water, effluent water), Heterocyclic compound nomenclature, synthesis and reagents for organic synthesis,

Name of the Class: Master of Science (Semester – III)
Name of the Paper: Chemistry: Paper-III Organic Chemistry in Industry
Total Credits: 04
CO1: Students will become efficient in managerial skills, able to employ critical thinking, analytical reasoning, problems solving and interpretation and documentation of laboratory experiments at a level suitable to succeed at an entry level position in chemical industry
CO2: Students will be able to develop scientific logics and approaches towards problems with critical reasoning.

Name of the Class: Master of Science (Semester – III)
Name of the Paper: Chemistry: Paper-IV Dyes and Intermediates-I
Total Credits: 04
CO1: Students will be able to understand the basics of dyestuff industry in terms of raw materials utilized.
CO2: Students will be able to analyze the various methods for synthesis of different intermediates used in dyes and pigments.

Name of the Class: Master of Science (Semester – III)
Name of the Paper: Chemistry Practicals
Total Credits: 04
CO1: Students will be able to perform experiment on green synthesis as well as organic preparations.
CO2: Students will be able to conduct experimentson synthesis of different organic molecules and different organic estimations.

Name of the Class: Master of Science (Semester – IV)
Name of the Paper: Chemistry: Paper-I Advance Organic Chemistry
Total Credits: 04
CO1: Students will be able to apply the knowledge of name reactions, oxidation and reduction reactions.
CO2: Students will be able to known the mechanisms of different molecular rearrangements.

Name of the Class: Master of Chemistry (Semester – IV)
Name of the Paper: Chemistry: Paper-II Selected Topics in Organic Chemistry - II
Total Credits: 04
CO1: Students will be able to describe the structure -reactivity principles and concepts of mass spectrometry with fragmentation.
CO2: Students will be able to describe the fundamental concepts of Heterocyclic chemistry and synthetic biopolymers.

Name of the Class: Master of Chemistry (Semester – IV)
Name of the Paper: Chemistry: Paper-III Advance Organic Synthesis
Total Credits: 04
CO1: Students will be able to explain protecting groups in organic synthesis and retrosynthetic analysis with examples.
CO2: Students will be able to describe ring synthesis and organometallic compounds and their applications.

Name of the Class: Master of Science (Semester – IV)
Name of the Paper: Chemistry: Paper-IV Dyes and Intermediates-II
Total Credits: 04
CO1: Students will be able to understand the basics of dyestuff industry in terms of raw materials utilized.
CO2: The student will be able to identify the substrates and chemistry to synthesize desired product.

Name of the Class: Master of Science (Semester – IV)
Name of the Paper: Chemistry: Practicals
Total Credits: 04
CO1: Students will be ableto apply the knowledge of spectroscopy for elucidating the structures of unknown organic compounds from spectra.
CO2: Students will be able to conduct experimentson green synthesis and three steps organic synthesis preparations.

----- X -----



A handwritten signature in blue ink, appearing to read "Dr. N. M. Patel".

1

**(DR. N. M. PATEL)
PRINCIPAL
SHREE JAYENDRAPURI ARTS &
SCIENCE COLLEGE, BHARUCH**