

Course Outcomes

Lots of Courses & its outcome statements

OBE RESOURCE-PSOS, COS & FRAMED QUESTIONS SEP 28, 2022 10:51AM

Descriptive Statistics

CO1 Explain the methods of collection, presentation, analysis and graphical representation of data
CO2 Compare the different measures of central Tendency and Dispersion.
CO3 Distinguish between Skewness and Kurtosis.
CO4 Illustrate Correlation Analysis and Regression Analysis
CO5 Apply the principle of least squares in fitting straight lines, parabola and power curves

Foundations of Psychology

CO1: Understand the basic concepts in Psychology.
CO2: Understand the scientific terminologies in Psychology.
CO3: Develop the capacity to follow as well as comprehend advanced theories in the field.
CO4: Understand the different methods in Psychology
CO5: Understand the historical aspects of Psychology.
CO6: Evaluate the importance of sensation, attention and perception in daily life
CO7: Understand the major aspects of consciousness
CO8: Design an experimental study with control group

Polymer Chemistry I

CO1 : Identify condensation polymer, addition polymer, carothers equation , thermosetting and thermo plastics
CO2: Define initiator, ceiling temperature, polymer degradation, photostabilisers
CO3: Explain Flory Huggins theory, theta solvent, gel point CO4: Determine weight average molecular weight, number average molecular weight, polydispersity index
CO5: Derive the rate equation for coordination polymerisation, ionic and condensation polymerisations
CO6: Discuss the mechanisms of Zeigler Natta Polymerisation, Free radical polymerisation and ionic polymerisation

Introduction to Political Science

CO1: Understand elementary knowledge about the meaning, origin, growth, importance & scope of Political science
CO2: Understand the important Political ideologies & major concepts liberalism, Marxism, Gandhism, & Democracy.
CO3: Understand Behavioural & Post-Behavioural approaches in the study of Political Science
CO4: Compare the functioning of Political System exists in U S A , U K, & India
CO5: Understand the relationship of Political science with History, Economics, Sociology, Psychology & Geography

Basic Mechanics and Properties of Matter

CO1: Understand the equation of motion related to the rotation of different regular shaped rigid bodies and their moments of inertia about different axes.
CO2: Understand simple harmonic motion by the static force analysis of simple pendulum and compound pendulum and extend the concept to general mechanical waves & electromagnetic waves.
CO3: Understand elastic properties of materials, surface tension of fluids and fluid dynamics

B.Sc. Biochemistry

Biophysics

| CO1 | Understand the concept of surface tension, diffusion, adsorption, osmosis and dialysis and their application to biological system.
| CO2 | Understand the concept of enthalpy, entropy and free energy
| CO3 | Understand the concept of chemical kinetics
| CO4 | Understand structure and bioelectric properties of cell membranes
| CO5 | Understand conformation of sugar conjugates of protein and lipids
| CO6 | Understand duplex, triplex and quadruplex structure of DNA, supercoiling of DNA and structure of t-RNA
| CO7 | Understand primary, secondary, tertiary and quaternary structure of globular proteins
| CO8 | Understand protein-nucleic acid interactions and structure of ribozymes

COMPUTER NETWORKS

- CO1 Design and implement new network topologies.
- CO2 Analyze and choose appropriate routing algorithm.
- CO3 Introduce a network protocol.
- CO4 Examine the bandwidth and ip address of network connection.
- CO5 Identify the errors occurred in network connection.
- CO6 Select properly configured systems.

Reading Poetry

- CO1: Define the forms and types of poetry
- CO2: Explain the diverse poetic devices and strategies employed by poets
- CO3: Discuss the historical background of the poets
- CO4: Identify the figures of speech in the poems prescribed
- CO5: Develop the level of literary and aesthetic experience
- CO6: Determine the various characteristics of the different schools of poetry
- CO7: Analyze poems critically with the skills gained from the critical analysis of poems of study

Statistical Methods for Economics

- CO1: Calculate Measures of Central Tendency and Dispersion.
- CO2: Describe and Analyse Statistical Data
- CO3: Interpret Correlation and Regression
- CO4: Apply Probability Distributions to Various Economic Problems.
- CO5: Demonstrate the Trend of Economic Variables over Time

Cloud computing

- CO1 Understand the different architecture of Cloud Computing.
- CO2 Understand the cloud application in industries- Amazon,Microsoft Azure,Google AppEngine .
- CO3 Understand the economy of cloud computing and its open challenges.
- CO4 Understand Scientific application of cloud computing.
- CO5 Understand the underlying principle of cloud virtualization, cloud storage, data management and data visualization.
- CO6 Explain the core issues of cloud computing such as security, privacy, and interoperability.
- CO7 Explain the main concepts, key technologies, strengths, and limitations of cloud computing.
- CO8 Analyze the Cloud computing setup with it's vulnerabilities and applications using different architectures

Fundamentals of Income Tax

- CO1 Understand the basic concepts of income tax
- CO2 Determine the residential status of an individual, HUF, Company and AOP/BOI.
- CO3 Compute the income from salary of an individual
- CO4 Compute the income from house property of an individual.
- CO5 Compute profits and gains of business or profession.
- CO6 Compute the income from capital gains of an individual.
- CO7 Prepare the statement showing computation of income from other sources of an individual.
- CO8 Describe the rules applicable in clubbing and aggregation of income.

BSc Forestry

Ecotourism

- | CO1 | Understand the history, forms and categories of Tourism
- | CO2 | Understand the Objectives and principles of Ecotourism
- | CO3 | Understand the forms of Ecotourism
- | CO4 | Evaluate the ecotourism in protected areas of Kerala
- | CO5 | Determination of Carrying Capacity in ecotourism sites
- | CO6 | Explain the role of stakeholders in Ecotourism
- | CO7 | List out the guidelines for a sustainable ecotourism
- | CO8 | Create an ecotourism marketing plan
- | CO9 | Determine the value of an ecotourism site

Organic Chemistry I

- CO1 State asymmetry and dissymmetry
- CO2 Understand the basic concepts of the structure of organic molecule.
- CO3 Determine IUPAC name of organic molecules
- CO4 Compare unimolecular and bimolecular nucleophilic substitution reactions
- CO5 Analyze conformational and configurational structures of organic compounds
- CO6 Apply Hoffmann rule and saytzeffs rules
- CO7 Explain electron displacement effects
- CO8 Identify the absolute and relative configurations of organic molecules

Field practicum I

- CO1 | Listing the nature, structure and functions of the agency.
- CO2 | Understanding a community in terms of it's geographical, social, economic and political systems based on the theoretical understanding obtained from the courses in the semester.
- CO3 | Application of social work methods in the community.
- CO4 | Analysis of the structure and function of the decentralized governance systems and various institutions in the community.
- CO5 | Evaluate the need based assessment of a particular community.
- CO6 | Develop an action plan for organising a community development program

CO7 | Make use of theoretical models into practice.

CO8 | Demonstrate oral, written and presentation skills of communication in a community context.

Discrete Mathematics

CO1 | Understand the basic concepts of Graph theory .

CO2 | Develop models for real life situations using GraphTheory .

CO3 | Understand the concepts of trees and tree traversal

CO4 | Apply tree traversal to Data Structure .

CO5 | Make use of Tree traversal algorithms in logical expressions.

CO6 | Construct Boolean functions and logic gates.

CO7 | Analyse and simplify digital logic circuits by using boolean algebra

CO8 | Understand different types of matrix .

CO9 | Find ranks by different methods and find solutions of linear equations.

CO 10 | Solve matrix problems .

Mathematics-I

CO 1 Understand the basics of theory of numbers.

CO 2 Understand the basics of Number system

CO 3 Understand the basics of Exponents and Powers

CO 4 Understand the basics of Commercial Arithmetics

Mathematics-II

CO 1 To understand the importance of Commercial Arithmetic

CO 2 To understand the importance of Ratio and proportion

CO 3 To understand the idea about Simple and compound interest

CO 4 To understand the idea of 3D shapes

CO 5 To understand the importance of Quadratic equations

Malayalam-I

CO1 | കഥകൾ ആധുനികവുംആധുനികാനതരവും പഠിക്കുന്നതിലൂടെ കാലഘട്ടനുസൃതമായി മനസ്സിലാക്കാൻ കഴിയും. മാററങ്ങൾ. രചനാരീതിയുടെവൃതിയാനങ്ങൾ മനസ്സിലാക്കാൻ കഴിയും

CO2 | കവിതകളുടെ രചനാരീതിയും ആവിഷ്കാരരീതിയിലും വന്ന വൃതിയനങ്ങൾ മനസ്സിലാക്കുക.

CO3 | നാടകം എന്ന കലാരൂപത്തിൻറ സാധ്യതകൾ. ആധുനിക കാലഘട്ടത്തിൽ പരിതോവസ്ഥകളുമായി സംവദിക്കുവാൻ പഠിപ്പിക്കുക

CO4 | ഗദ്യരചന പരിശീലനം. ചിന്തയുടെ വൈവിധ്യമാർന്ന രൂപങ്ങൾ പരിചയപ്പെടുത്തുക.

CO5 | ഹിമാലയത്തിലെ യാത്രാനുഭവങ്ങൾ. ഭാരത സംസ്കാരത്തിനും ചരിത്രത്തിനു ഇന്നുള്ള പ്രാധാന്യം.

CO6 | വിദൂർത്ഥികളിൽ മൂല്യബോധം നൽകുക. മൂല്യശോഷണവും മൂല്യതകർച്ചയുടെ ദുരന്തമൂലം വ്യക്തമാകുക.

CO7 | ജീവിതാനുഭവങ്ങൾ ആനുകാലിക ശ്രശ്ശങ്ങൾ ഇവ ചർച്ച ചെയ്തു പഠനവിഷയമായി ബന്ധപ്പെടുത്തുക

CO8 | സാഹിത്യ കൃതികൾ വായിച്ചു മനസ്സിലാക്കാൻ പരിശീലനം. ജീവിതാവബോധം നൽകുക.

B.A Functional English

Fundamental Writing Skills

| **CO1** | Draft informal formal letters, CV, and resume

| **CO2** | Write texts for given concepts and specified needs.

| **CO3** | Create ads and brochures for given products and programs.

| **CO4** | Prepare reports based on given news.

| **CO5** | Describe the characteristics of things, animals, people and events and processes

| **CO6** | Perform evaluation, summarization and paraphrasing.

| **CO7** | Prepare notice, agenda, and minutes of a meeting.

| **CO8** | Edit and proofread texts

Kerala Economy

CO1 | Understand the Kerala Development experience

CO2 | Evaluate the performance of Agriculture

CO3 | Analyze the industrial contribution

CO4 | Create a new industrial path

CO5 | Understand the demographic profile

CO6 | Analyze rebuilding initiatives of flood 2018

CO7 | Understand decentralised planning

CO8 | Evaluate performance of local Government

Law and Practices

CO1 | Understand the basic concepts of Income tax

CO2 | Compute the income from salary and house property

CO3 | Develop the knowledge to determine taxable profit of a business or profession

CO4 | Make use of the theoretical Knowledge of Capital gain and income from other sources

CO5 | Apply the knowledge of gross total income of an individual

CO6 | Understand the inter heads and intra head set off and carry forward of loss.

CO7 | understand the Rebate and Relief and Computation of agricultural income

CO8 | Determine eligible deductions and compute taxable income and tax liability of an individual.

MOLECULAR BIOLOGY, GENERAL INFORMATICS & BIOINFORMATICS

CO1 | Understand DNA and RNA as genetic material, types properties and replication mechanisms.

- CO2** | Understand transcription and translation as steps of protein synthesis in plants
- CO3** | Understand how genes are regulated and controlled in organisms.
- CO4** | Understand the use of computer in biological data analysis
- CO5** | Develop safe usage of internet by learning cyber laws and cyber ethics
- CO6** | Understand the use of bioinformatic tools.
- CO7** | Understand molecular phylogeny
- CO8** | Familiarize ethics to be followed in scientific research.

Linear Algebra

- CO1** | Understand the concepts of linear equations and their geometry.
- CO2** | Understand the idea of vector spaces and linear transformations by illustrating many examples.
- CO3** | Develop the idea of determinants stronger, study its properties and their applications in solving system of linear equations, computing the inverse and finding volume.
- CO4** | Explain the problem of finding eigen- values of a matrix, diagonalization of a matrix, and the use of eigen vectors in diagonalization
- CO5** | Employ methods related to the above concepts in solving practical problems.
- CO6** | Classify matrices as Symmetric, Hermitian, Orthogonal and study the diagonalization of these special matrices.

Art and Literary Aesthetics

- CO1** | Understand the movements in the history of art and literature.
- CO2** | Understand the works of art that directly refer to literary works and vice versa.
- CO3** | Develop a comparative study of paintings, films and literary works which are representatives of specific art movements.
- CO4** | Discuss the relation of performing arts and music to literature.
- CO5** | Interpret music as text and the way in which this is manifested.
- CO6** | Examine how all forms of art is part of a continuum.

Post-Colonial Literatures in English

- CO1: Define the concept of post colonialism and its implications on the socio-political and cultural affairs of the contemporary world.
- CO2: Identify significant thoughts and issues mentioned in the literary works, so as to gain insights on the post-colonial era.
- CO3: Determine the complexities involved in the

- thematic content of the post-colonial writings prescribed for study.
- CO4: State the extend of racial subjugation and subsequent trauma as portrayed in post-colonial literature
- CO5: Select emergent writings on the discourse for further research.

History of English Literature

- CO1** | Identify the different ages in English literature and the literary trends specific to each age
- CO2** | Identify the major writers and their seminal works
- CO3** | Explain the impact that the social and political history of England had on literature
- CO4** | Explain how the varying trends in art and culture found its reflection in literature
- CO5** | Focus on different literary movements and its impact in varying degrees in poetry, prose and drama
- CO6** | Connect literature to the historical developments that shaped the English society

Innovative Library and Information services

- CO1** | Explain the basic concepts of Library and Information Services
- CO2** | Identify the innovative technologies in the field of Library and Information Domain
- CO3** | Show competency in the use of Information Technology components in library services
- CO4** | Acquire skill in the use of Information technology in the library products and services
- CO5** | Explain the working of information technology enabled services for different category of users
- CO6** | Design and evaluate an information technology enabled library services

Conservation Biology

- CO1** | Understand the importance and introduction of Biodiversity
- CO2** | Understand the scope, nature and conservation of Biodiversity
- CO3** | Explain major factors that deplete our Biodiversity
- CO4** | Identify what are the methods to conserve Biodiversity
- CO5** | Understand the different conservation strategies to different organisms.
- CO6** | Explain the effects of biodiversity depletion to all the organisms
- CO7** | Explain different laws and Environmental protection Act.
- CO8** | Understand different environmental hazards by the depletion of Biodiversity and what are the importance of conservation of Biodiversity.

B.Sc. Geology

Structural Geology & Geotectonics

- | **CO1** | Apply the principles of Geological compass, geological maps, Stereographic projection in determining dip and strike of beds/ geological structures in structural geology.
- | **CO2** | Understand the geometry and classification of folds and their recognition in the field and map.
- | **CO3** | Understand the definition, terminology, classification, mechanism of faulting and criteria for the recognition of fault in the field and map.
- | **CO4** | Understand foliation and lineation in the field.
- | **CO5** | Understand joints in rocks and their origin, classification and geological significance.
- | **CO6** | Identify the unconformities, their types and identification in field and map.
- | **CO7** | Understand the Stages of rock deformation and factors controlling rock deformation.
- | **CO8** | Understand the concept of plate tectonics, types and characteristics of plate margins, Causes of plate movements and orogeny in relation to plate tectonics.
- | **CO9** | Understand the origin and classification of mountains and the concept of isostasy.

PROSE AND GRAMMAR

- CO1 | Understand the Subhashitha {word of the great personalities} is capable of knowing the experience of learned personalities.**
- CO2 | Understand Subhashitha it is preventing from evil deeds.**
- CO3 | Understand different types and styles of poetry.**
- CO4 | Understand the heroic and deeds of great personality and types of figures of speech and meters.**
- CO5 | Understand the meters of different nature. Apply the metric rules to poem of such meters.**
- CO6 | Understand the sound, refresh and apply their vocabulary.**

BCM 1442

- CO1** | Understand the basic concepts of statistics, and apply its knowledge for the collection, tabulation and presentation of data
- CO2** | Understanding the basic concepts of central tendencies, and dispersion and to apply it in the real business.
- CO3** | Understand the importance of correlation, evaluate Karl Pearson's co-efficient of correlation etc.
- CO4** | Understand the importance of correlation in business and to differentiate it between regression
- CO5** | Understands the basic concept of time series and its application in business

Organic Chemistry-I

- CO1** | Understand the basic concepts in organic chemistry, such as IUPAC nomenclature, electronic displacements, bond cleavages, reactive intermediates, types of reagents and organic reactions, etc.
- CO2** | Understand the stereochemistry and conformations and apply the concept to determine the configuration of organic compounds
- CO3** | Explain the concept of aliphatic hydrocarbons and alkyl halides
- CO4** | Describe the concept of aromaticity
- CO5** | Understand different concerted reactions
- CO6** | Explain aromatic hydrocarbons and aryl halides
- CO7** | Understand organometallic compounds
- CO8** | Understand the mechanisms of pericyclic reactions

Environmental Studies and Human Rights

- CO1 Identify human relation with the environment.
- CO2 State core concepts and methods from ecological and physical sciences and their application in environmental problem solving.
- CO3 Identify concepts and methods from economic, political, and social analysis as they pertain to the design and evaluation of environmental policies and institutions.
- CO4 Determine the ethical, cross-cultural, and historical context of environmental issues and the links between human and natural systems.
- CO5 Identify environmental problems and ways of addressing them.
- CO6 Understand the physical, chemical, and biological components of the earth's systems and show how they function.
- CO7 Develop a better sense of natural systems and human-designed systems work together, as well as in conflict with each other.
- CO8 Understand their roles, identities and rights as citizens and consumers in an interconnected world.

B.A. Philosophy

Theories of Ethics

- CO1 Understand the scope of Ethics with reference to psychological basis of morality..
- CO2 Understand the nature of willed actions, character and conduct.
- CO3 Understand the ethical theories of Immanuel Kant and J.S Mill.
- CO4 Analyse the theory of hedonism and theory of utilitarianism.
- CO5 Determine the ethical values involved in the individuals and those existing in the society.
- CO6 Analysis of the ethical theories and their influence in transforming the society.

CO7 Evaluate the relation of ethics to psychology, sociology and religion.
CO8 Explain the similarities in the ethical theories of J.S.Mill and Bentham.

കേരള സംസ്കാരം - പൂർവ്വഘട്ടം

- CO1** കേരളം എന്ന സാംസ്കാരിക പരിസരം - സാംസ്കാരിക പ്രക്രിയകൾ - സമൂഹ രൂപീകരണം പരിണാമം തുടങ്ങിയവയുടെ സാമാന്യമായ ധാരണ - കേരള സംസ്കാരത്തെ പരിചയപ്പെടുത്തുക.
- CO2** പ്രാചീന തമിഴകം - ഗോത്ര സംസ്കൃതി, തിണകൾ തുടങ്ങി കേരളം എന്ന സാംസ്കാരിക മേഖലയുടെ പരിചയപ്പെടുത്തൽ.
- CO3** പ്രാചീന തമിഴകത്തിൽ നിന്നും ആര്യാഗമനത്തിലേക്കുള്ള വഴികൾ -കാരണങ്ങൾ, ക്ഷേത്ര കേന്ദ്രിത സമൂഹങ്ങൾ - ഭക്തി പ്രസ്ഥാനം - ക്ഷേത്ര കലകൾ - കേരളീയ വൈജ്ഞാനികരുടെ രൂപപ്പെടുത്തൽ എന്നിവയെക്കുറിച്ചുള്ള അന്വേഷണം
- CO4** മധ്യകാല സമൂഹത്തിന്റെ രൂപപ്പെടുത്തൽ - ഭാഷാപരിണാമത്തിന്റെ അടിത്തറ - വിശകലനം
- CO5** എഴുത്തച്ഛൻ, ഭാഷാ , സാഹിത്യമേഖലകൾ - കേരളത്തിന്റെ സാംസ്കാരിക രൂപപ്പെടുത്തിയ വളർച്ച വിശകലനം
- CO6** പാശ്ചാത്യ അധിനിവേശങ്ങൾ - ചെറുത്തു നില്പ് - സംഭാവനകൾ വിശദമായ വിലയിരുത്തൽ

READING AND WRITING ENGLISH - BASICS

- CO1** | Understand the different parts of speech in English.
- CO2** | Apply the various parts of speech in English appropriately.
- CO3** | Understand and apply the specific and appropriate use of different tenses in English.
- CO4** | Understand and create different types of compositions in English.
- CO5** | Comprehend and compose passages effectively in English.

Communicative English

- CO1: Understand the structure and usage of gerunds and infinitives
- CO2: Read and comprehend short passages and make inferences
- CO3: Understand and practice how to report past events
- CO4: Use language appropriately to compose SMS, emails and letters

PY1.1 READING AND WRITING ENGLISH - BASICS

- CO1: Understand the different parts of speech in English.
- CO2: Apply the various parts of speech in English appropriately.
- CO3: Understand and apply the specific and appropriate use of different tenses in English.
- CO4: Understand and create different types of compositions in English.
- CO5: Comprehend and compose passages effectively in English.

Communicative English-II

- CO1: Identify the four types of sentences and construct simple sentences
- CO2: Apply question words and question format
- CO3:Describe pictures and construct short paragraphs.
- CO4:Understand sentence patterns and construct sentences.
- CO5:Understand the use of adverbs in sentences.
- CO6:Construct sentences in perfect and perfect continuous verb forms
- CO7:Apply correlative conjunctions in writings
- CO8:Understand the use of prepositions
- CO9: Change the voice of the sentences from active to passive
- CO10: Apply the elements of a letter to compose formal and informal letters.
- CO 11: Understand and infer prose lessons

Communicative English-III

- CO1 Understand the basic skills of language learning-reading & writing
- CO2 Understand English in a wide range of contexts
- CO3 Understand and produce grammatically correct sentences in English
- CO4 Understand the mechanism of general writing in English

Mathematics-I

- CO 1 To understand the importance of the Fundamental operations
- CO 2 To understand the importance of Differentiation
- CO 3 To understand the importance of Matrices, Trigonometry and Binomial theorem
- CO 4 To understand the importance of Permutation and Combination
- CO 5 To understand the importance of Limits and Derivatives
- CO 6 To enhance the above Mathematical skill and relate to the real time

situation.

Mathematics-II

- CO 1 To understand the importance of Sets.
- CO 2 To understand the importance of Integration and Differentiation
- CO 3 Get an idea about graphs
- CO 4 Get an idea about Analytical Geometry
- CO 5 To understand the importance of Statistics
- CO 6 To understand the importance of Functions and Limits

Mathematics-III

- CO 1 Understand Matrix and its operations
- CO 2 Understand the Set theory
- CO 3 Understand the Basics of Probability theory
- CO 4 Understand the Basics of Data Handling

Historical Methods

- CO1: Understanding the basic historical methods used for the study
- CO2: Designing the research based on historical method
- CO3: Formulating the research problem on the pertinent historical issues
- CO4: Designing the synopsis based on selected problem
- CO5: Applying the basic tools for the collection of data
- CO6: Applying data analysis methods on collected data
- CO7: Evaluating the historical facts in accordance with the writing of history
- CO8: Analyzing the stages involved in historical writing

B.A. Hindi (Course: Film History & Production)

- CO1 | Understand the history of Indian film with special reference to Malayalam, Hindi &Tamil films.
- CO2 | Understanding the genius directors, actors, of Malayalam, Tamil and Hindi film history.
- CO3 | Understand the processing of film production like screenplay, photography, editing etc.
- CO4 | Analyse the best techniques in photography and editing in films.
- CO5 | Understand the aspects involved inWorld film and Indian films.
- CO6 | Analysis of Society and conversion of its situations into cinema and vice-versa.
- CO7 | Understand the relation between women empowerment / women's social problems and Cinema.
- CO8 | Evaluate the knowledge of important personalities in indian music industry, namely Lata Mangeshkar & A.R Rahman.

B.A. Philosophy (Course: Theories of Ethics)

- CO1 | Understand the scope of Ethics with reference to psychological basis of morality..
- CO2 | understand the nature of willed actions, character and conduct.
- CO3 | Understand the ethical theories of Immanuuel Kant and J.S Mill.
- CO4 | Analyse the theory of hedonism and theory of utilitarianism
- CO5 | Determine the ethical values involved in the individuals and the society.
- CO6 | Analyse the ethical theories and their influence in transforming the society.
- CO7 | Evaluate the relation of Ethics to psychology,sociology and religion.
- CO8 | Explain the similarities in the ethical theories of J.S.Mill and Bentham.

B.A. Sanskrit (Course: Mahakavya and Drama)

- CO1 | Read, write and apply Sanskrit Language generally
- CO2 | Speak Sanskrit generally
- CO3 | Understand the general awareness Sanskrit Literature
- CO4 | Understand the Epic and Dramatic style of Mahakavi Kalidasa and his works
- CO5 | Understand the ancient Indian culture and tradition
- CO6 | Compare the style of Kalidasa with other poets
- CO7 | Help to develop good personality and morality in life
- CO8 | Create new compositions or reviews or criticisms

B.Sc. Zoology (Course: Immunology& Microbiology)

- CO1 | Understand the importance and scope of immunology
- CO2 | Understand the basic principles of immunology
- CO3 | Develop the capacity to understand human immunity
- CO4 | Acquire knowledge of immunodeficiency diseases
- CO5 | Learn transplant mechanisms and graft rejection
- CO6 | Understand the importance and scope of microbiology
- CO7 | Describe and analyse the biological aspects of gram positive and negative bacteria
- CO8 | Identify the application of microbes in day to day life

B.Sc. Computer Science (Computer Fundamentals and Basics of PC Hardware)

- CO1 | Understand the history and basic organization of a computer.
- CO2 | Classify the power supply units for the working of a device.
- CO3 | Familiarise the various expansion slots and components of a motherboard.
- CO4 | Explain different classes of input devices and output devices.
- CO5 | Understand physical memory organization
- CO6 | Explain different classes of primary and secondary memory
- CO7 | Demonstrate PC assembling.

B.A. Journalism (Course: Print Media & Journalism)

- CO1 | Understand the evolution of Print journalism.
- CO2 | Understand of concepts and classification of Print journalism
- CO3 | Define News by classifying its elements, news sources and types
- CO4 | Understand the structure of news writing
- CO5 | Understand the trends, laws and ethics in print media
- CO6 | familiarise with the technological advancements in print
- CO7 | Develop content and design a newspaper

Course: Conversational Skills

- CO1 | Understand the organs of speech and the production of sound
- CO2 | Classify vowels and consonants based on their production
- CO3 | Compare syllabic and non syllabic speech sounds
- CO4 | Explain the role of suprasegmentals in speech
- CO5 | transcribe words and conversations

- CO6** | Differentiate between informal and formal speech situations
- CO7** | Adopt speech formats in day to day conversations

B.Sc. Mathematics (Course Basic Functional Analysis)

- CO1** | Understand the concepts of metric spaces, inner product spaces, and normed spaces and relations between them.
- CO2** | Understand and apply fundamental theorems from the theory of Banach and Hilbert space.
- CO3** | Understand the functional analysis uses and unifies ideas from vector spaces, the theory of metrics, and complex analysis.
- CO4** | Understand the idea of convergence weak and weak* convergence
- CO5** | To demonstrate significant applications of the theory of functional analysis.
- CO6** | Understand the idea of duals and adjoints and working knowledge.
- CO7** | Understand the concepts of separability, compactness, continuity, uniform boundedness in different metric, normed, inner product spaces.
- CO8** | Understand geometrical and physical meaning of abstract ideas of Functional Analysis.

B.Sc. Physics (ELECTRONICS (ANALOG & DIGITAL))

- CO1** | Understand the basic principles of rectifiers and dc power supplies
- CO2** | Explain and analyze working and designing of transistor amplifiers and oscillators
- CO3** | Understand the principles of transistor
- CO4** | Understand the basic operation of Op – Amp and its applications
- CO5** | Understand the basics of digital electronics

M.A. English

Course: Post Colonial Fiction

- CO1.** understanding of the concept of postcolonialism and it's important terms.
- CO2.** Analyse the postcolonial writings from India, with an emphasize on terms like 'hybridity', 'spectrality' and 'subalternity'.
- CO3.** Understand the after effects of colonialism in Africa, West Asia and America.
- CO4.** Analyse the inhuman treatment and exploitation acted up on colonized countries by colonizer.
- CO5.** Understand the attempts made by colonized countries in order to free themselves from the social, political and cultural influences of the colonized countries.

Course: Modernity and Modernisms

- CO1.** Understanding the changed literary perspectives in the twentieth century, along with the social, economic and political background.

- CO2.** Analyze the imperial expansion which reached at the boiling point and the onset of World War 1.
- CO3.** Analyze the reaction against Romanticism and Victorianism which led to the experimentation in all genres.
- CO4.** Understanding the development of movements like Avant Grade and the Pink Decade.
- CO5.** Analyze the impact of Soviet experiment at the global level that need to be read against the backdrop of the spread and influence of Marxism on a global scale.

Course: Postmodernism and Beyond

- CO1.** Understand the theoretical aspects and techniques of Postmodernism.
- CO2.** Understand the effect of Postmodernism in different genres of literature such as poetry, novels and dramas.
- CO3.** Understand the difference between Postmodernism and Post- Postmodernism
- CO4.** Analyze the impact of reflecting 20th century into the works of postmodernism.
- CO5.** Examine how the features of postmodernism is portrayed in almost every postmodern fictional works

Course: Thinking Theory

- CO1.** Understand the need of literary theories in Literature.
- CO2.** Understand the current developments in Literary Criticism.
- CO3.** Conceive the ideas of Psycho Analysis by Freud and Lacan.
- CO4.** Analyze normative heterosexual identities.
- CO5.** Evaluate Postmodern Blackness.

MSW (Master of Social Work)

Course: Social Sciences for Social Work

- CO1** Understand basic concepts of sociology and its different dimensions
- CO2** Apply the concepts of sociology in Social Work practice
- CO3** Analyze different dimensions of prevailing social issues in India
- CO4** Recognize the linkage of social issues and the design of social work interventions.
- CO5** Understand basic economic concepts and the economic situation in India
- CO6** Appraise the effect of national/global economy on social life in a society

Human Growth and Development

- CO1** Demonstrate knowledge of the major influences in human development.
- CO2** Explain the structure and function of the brain.
- CO3** Understand the developmental changes in various developmental stages across the life span.
- CO4** Analyse the importance of developmental psychology in social work practice and be able to link with real life situations
- CO5** Able to identify the use of theoretical concepts in lifespan stages in social work practice

Course: History.Philosophy and fields of Social Work

CO1 Understand the history of social work approaches with respect to underlying ideologies and philosophies
CO2 Appreciate social work as a profession and to recognize the need and importance of Social Work Education, Training and practice
CO3 Identify the importance of professional values and ethics in social work practice
CO4 Understand different fields of social work intervention and the issues and concerns of social work practice in India
CO5 Understand the social movements and role of social reformers in social welfare
CO6 Understand the present issues faced by social work profession

B.B.A. (Bachelor of Business Administration)

Course: Principles and Methodology of Management

CO1:understand the basic concepts of management and Identify the importance of different functions
CO2:Understand the development of management thought
CO3:Understand the different aspects of planning and identify the planning needs at different situation
CO4:Understand the concepts of decision making and aware about different types of business decision
CO5:Understand the different ways of organising and dispersal of authority.
CO6:Understand the basic concepts of staffing and directing.
CO7:Experimenting coordination.
CO8:Examining the concept of Control and identify different control techniques

Course: Fundamentals of Business Statistics

CO1 . Define and use the basic terminology of statistics
CO2 . Understand different steps of Statistical investigation.
CO3 . Present the data using diagrams and graph
CO4 . Analyze statistical data using measures of central tendency, and measures of dispersion.
CO5 . Calculate and interpret the correlation between two variables.
CO6 . Calculate the simple linear regression equation for a set of data .
CO7 . Understand Time series and its components .
CO8 . Calculate Trend values and seasonal indices.

B.Sc. Physics: (Paper: Material Science)

CO1: Understand different types of materials and their level of structures.
CO2: Understand the various types of imperfections in solids and different properties of materials.
CO3: Understand the basic types of absorption process in materials, different optical properties like photoconductivity, photo electric effect, photo voltaic effect and photoluminescence.
CO4: Apply the effects of lights in the generation of color centers in various display devices.
CO5: Understand the basic concepts of metallic glasses, shape

memory alloy and lead-free solders.

CO6: Understand metal and semiconducting nanoparticles, different carbon nano structures, its theoretical modelling, geometric and electronic structure.

CO7: Understand CNT preparation, properties of quantum well, wire and dot, its structure and dimensionality effects

CO8: Apply the properties of carbon nano tube and quantum structures in nanoscience using different qualitative studies like powder XRD,SEM,SPM,TEM,STM,AFM,PES and Raman spectroscopy

M.A. English (Paper: ACTS ON THE STAGE)

CO1 Understand and appreciate the different sub-genres of drama :Tragedy, Tragi-comedy, Farce

CO2 Analyse the traditional and modern plays in relation to its literary, psychological, sociological and historical contexts

CO3 Describe the characteristics and features of Elizabethan stage plays and modern written pieces

CO4 Explain the transition from five-act plays to one-act plays

CO5 Understand the dramatic structures and nuances of performance

B.Sc. Physics (Paper: DIGITAL ELECTRONICS ANDPROGRAMMING)

CO1 Understand the concept of logic gates

CO2 Analysis of logic circuits

CO3 Design combinational circuits for specific applications

CO4 Design and analyse synchronous and asynchronous logic circuits

CO5 Understand Basic C++ program structure

CO6 Distinguish between source code and object code

CO7 Describe the concept of Conditional and branching Statements

CO8 Create algorithms to solve different problems.

M.Sc. Physics (Paper: Classical & Quantum Mechanics)

CO1 Understand the basic concepts of Constraints, degrees of freedom, generalized co-ordinates, principle of virtual work, D'Alembert's principle

CO2 Understand the Lagrangian and Hamiltonian formalisms of analytical mechanics and apply it to solve certain simple physical systems like one dimensional harmonic oscillator , simple pendulam

CO3 Identify the shortcomings of classical mechanics that lead to the formalism of quantum mechanics and how these shortcomings are circumvented by quantum ideas in the explanation of phenomena like Black body radiation, Photoelectric effect etc.

CO4 Understand the duality nature of physical world in the microscopic realm through the study of various theories, hypothesis and experiments in quantum mechanics.

CO5 Understand basic postulates of Quantum Mechanics

CO6 Understand the properties of wave function and its probabilistic interpretation

CO7 Understand the Time dependent and Time independent Schrodinger equation and apply its ideas for solving simple and complicated systems

B.A. Malayalam (Paper: നാടകവും സിനിമയും)

- CO1 അരങ്ങു്,രംഗപാഠം -ലോക നാടകവേദി,ഇന്ത്യൻ നാടകവേദി, പ്രാചീന രംഗവേദികൾ എന്നിവയെക്കുറിച്ചുള്ള സാമാന്യധാരണ നേടുക
- CO2 മലയാള നാടക വേദിയുടെ ചരിത്രം,വികാസം -നാടകവേദികളെ കുറിച്ചുള്ള അറിവ് ശേഖരിക്കുക
- CO3 നാടകവേദിയിൽ നിന്ന് സിനിമയുടെ ദൃശ്യ പരതയിലേക്കുള്ള മാറ്റം, വ്യത്യസ്ത കലാ മാധ്യമങ്ങളെ കുറിച്ചുള്ള അന്വേഷണം- താരതമ്യം
- CO4 സിനിമയുടെ സാങ്കേതികത, ദൃശ്യപാഠം,ചലച്ചിത്രഭാഷ എന്നിവയെക്കുറിച്ചുള്ള ആശയരൂപീകരണം
- CO5 ലോകസിനിമയുടെ ചരിത്ര വികാസ ഘട്ടങ്ങൾ ലോകസിനിമകളെ പരിചയപ്പെടുക
- CO6 മലയാള സിനിമയുടെ ചരിത്രം,വികാസം,ഭാവുകത്വ മാറ്റം എന്നിവയെ കുറിച്ചുള്ള വിശകലനം
- CO7 മലയാള സിനിമകളുടെ ആസ്വാദനം തിരക്കഥാ പഠനം
- CO8 സാഹിത്യ പ്രസ്ഥാനങ്ങളും നാടക-സിനിമ മാധ്യമങ്ങളുമായുള്ള ബന്ധം,താരതമ്യം, വിലയിരുത്തൽ

Paper: കേരള സംസ്കാരം - പൂർവ്വഘട്ടം

CO1 കേരളം എന്ന സാംസ്കാരിക പരിസരം - സാംസ്കാരിക പ്രക്രിയകൾ - സമൂഹ രൂപീകരണം പരിണാമം തുടങ്ങിയവയുടെ സാമാന്യമായ ധാരണ - കേരള സംസ്കാരത്തെ പരിചയപ്പെടുത്തുക.

CO2 പ്രാചീന തമിഴകം - ഗോത്ര സംസ്കൃതി, തിണകൾ തുടങ്ങി കേരളം എന്ന സാംസ്കാരിക മേഖലയുടെ പരിചയപ്പെടൽ.

CO3 പ്രാചീന തമിഴകത്തിൽ നിന്നും ആര്യാഗമനത്തിലേക്കുള്ള വഴികൾ - കാരണങ്ങൾ, ക്ഷേത്ര കേന്ദ്രിത സമൂഹങ്ങൾ - ഭക്തി പ്രസ്ഥാനം - ക്ഷേത്ര കലകൾ - കേരളീയ വൈജ്ഞാനികരുടെ രൂപപ്പെടൽ എന്നിവയെക്കുറിച്ചുള്ള അന്വേഷണം

CO4 മധ്യകാല സമൂഹത്തിന്റെ രൂപപ്പെടൽ - ഭാഷാപരിണാമത്തിന്റെ അടിത്തറ - വിശകലനം

CO5 എഴുത്തച്ഛൻ, ഭാഷാ , സാഹിത്യമേഖലകൾ - കേരളത്തിന്റെ സാംസ്കാരിക രൂപപ്പെടലിന്റെ വളർച്ച വിശകലനം

CO6 പാശ്ചാത്യ അധിനിവേശങ്ങൾ - ചെറുത്തു നില്പ് - സംഭാവനകൾ വിശദമായ വിലയിരുത്തൽ

Paper: ഭാഷാശാസ്ത്രം

- CO1: ഭാഷയുടെ സാർവലൗകിക സ്വഭാവങ്ങൾ ഗ്രഹിക്കുക
- CO2: ഭാഷാപഠനങ്ങളിൽ ശാസ്ത്രീയ സമീപനത്തിന്െ സാധ്യതകൾ ഗ്രഹിക്കുക
- CO3: ഭാഷ,ഭാഷാശാസ്ത്രം എന്നിവയെക്കുറിച്ചുള്ള അടിസ്ഥാന വസ്തുതകളും വർഗീകരണവും ഗ്രഹിക്കുക
- CO4: ഭാഷാ ശാസ്ത്രത്തിലെ പരിഗണനാവിഷയങ്ങൾ വിശകലനം ചെയ്യുക
- CO5: ഭാഷാശാസ്ത്രവും വ്യാകരണവും തമ്മിലുള്ള പഠന ഭേദം താരതമ്യം ചെയ്യുക
- CO6: ഭാഷാശാസ്ത്രത്തിലെ വിവിധ പഠന ശാഖകളുടെ പ്രസക്തിയും പ്രയോഗവും കണ്ടെത്തുക
- CO7: നവീനവിജ്ഞാന ശാഖകളിൽ ഭാഷാവിജ്ഞാനത്തിനുള്ള സാധ്യതകൾ വിലയിരുത്തുക
