

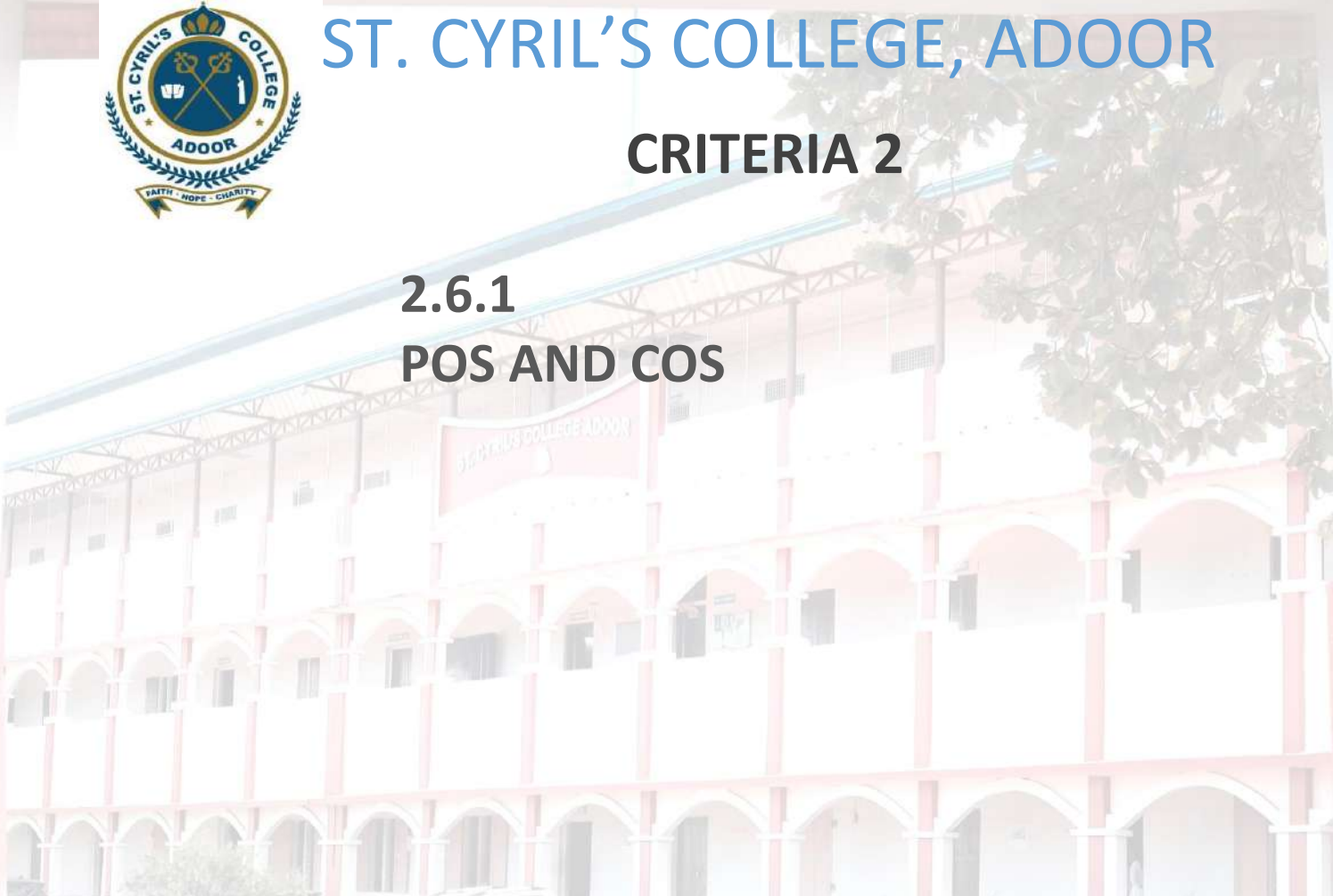
ST. CYRIL'S COLLEGE  
ADOOR  
ESTD. 1981



## ST. CYRIL'S COLLEGE, ADOOR

### CRITERIA 2

#### 2.6.1 POS AND COS



**First Degree Programme in B.Sc. Mathematics and Computer Applications**  
**(Double Main)**

**PSO No.      Programme Specific Outcomes**

Upon completion of these courses the student would

PSO-1 Imbibe the fundamental knowledge, skills and competencies in mathematics.

PSO-2 Gain necessary computer skills and knowledge to excel in professional career in related disciplines.

PSO-3 Develop a critical appreciation of the use of information and communication technology in mathematics.

PSO-4 Approach challenges with curiosity, critical thinking and creativity.

PSO-5 Participate in life-long learning process in different disciplines of mathematics.

PSO-6 Transform and empower women graduates to meet global challenges through holistic education in terms of recent teaching-learning methodologies.

PSO-7 Groom the graduates towards excellence through building communication skills, handling leadership challenges and negotiating career path ways.

PSO-8 Heighten the conscious of the graduates on socio-economic concern and to inculcate moral and ethical values to chisel them as better human being.

PSO-9 Maintain a core mathematical and technical knowledge that is adaptable to changing technologies, which will provide a solid foundation for future learning.

PSO-10 Expose students to the frontiers of higher education, creative research and the complexities of an interdependent world.

**PO No.**

Upon completion of the B.Sc., Degree Programme, the graduate will be able to

PO-1 Academic Skills & Social Responsibility:

Apply computing, mathematical and scientific knowledge in various disciplines by understanding the concerns of the society.

PO-2 Personality Development: Perceive Leadership skills to accomplish a common goal with effective communication and understanding of professional, ethical, and social responsibilities.

PO-3 Ethics and Communication: Imbibe and demonstrate ethical practice in planning experiments, research designs and communicating the complex concepts to the scientific and non-scientific community. Demonstrate the ability to present their original work through written, oral, and visual presentations at various forum.

PO-4 Lifelong Learning: Identify resources for professional development and apply the skills and tools necessary for computing practice to gain real life experiences.

PO-5 Creativity and Holistic Approach: Create a scientific temperament and novelties of ideas to support research and development in both mathematics

### **SEMESTER I**

#### **COURSE TITLE    FOUNDATIONS OF MATHEMATICS    COURSE CODE MMC1131**

CO No.            Course Outcomes

CO-1 Understand the derivative of a function

CO-2 Learn certain theorems on differentiation.

CO-3 Learn various applications also the physical interpretations of differentiation (derivative of a function).

CO-4 Understand the integration of a function and learn its physical interpretation through various examples.

CO-5 Learn various applications of integration

### **SEMESTER I**

#### **COURSE TITLE    THEORY OF NUMBERS    COURSE CODE            MMC1132**

At the end of the course, the student will be able to :

CO No.            Course Outcomes

CO-1 Become familiar with various kinds of numbers.

CO-2 Understand the role of numbers in other branches of Mathematics in particular Combinatorics, Set Theory and Algebra.

CO-3 Analyse different characters of number theoretic functions.

CO-4 Use number theoretical properties to solve real world problems

CO-5 Applications of number theoretical concepts in various field and in particular Cryptography.

### **SEMESTER I**

#### **COURSE TITLE    ENVIRONMENTAL STUDIES (Foundation Course-I)**

#### **COURSE CODE    MMC1121**

At the end of the course, the student will be able to :

CO No.            Course Outcomes

- CO-1 Remember environmental policies.
- CO-2 Understand different eco systems, environmental movements.
- CO-3 Understand types of natural resources.
- CO-4 Remember the causes and impacts of mining.
- CO-5 Understand environment pollution.
- CO-6 Understand bio diversity and conservation.

### **SEMESTER I**

**COURSE TITLE INTRODUCTION TO COMPUTER SCIENCE**

**COURSE CODE MMC1141**

At the end of the course, the student will be able to :

CO No. Course Outcomes

- CO-1 Remember computer and software types.
- CO-2 Understand system unit.
- CO-3 Understand operating system and application software.
- CO-4 Understand online communication and web basics.
- CO-5 Remember network and internet basics.
- CO-6 Create documents in LaTeX.

### **SEMESTER II**

**COURSE TITLE DIFFERENTIAL EQUATIONS COURSE CODE MMC1231**

At the end of the course, the student will be able to :

CO No. Course Outcomes

- CO-1 Learn various methods to solve first order linear differential equations.
- CO-2 Learn the existence and uniqueness theorem of first order ordinary differential equation.
- CO-3 Learn the existence and uniqueness theorem of first order ordinary differential equation.
- CO-4 Learn the application of order ordinary differential equation.

### **SEMESTER II**

**COURSE TITLE VECTOR CALCULUS COURSE CODE MMC1232**

CO No. Course Outcomes

CO-1 Understand vectors and algebraic operations of vectors.

CO-2 Learn to compute the vector equation of a line.

CO-3 Understand the cylindrical and spherical coordinate systems.

CO-4 Learn calculus of vector valued functions.

CO-5 Understand the geometrical interpretation of Curvature and motion of a particle along a Curve through Calculus of Vectors.

## **SEMESTER II**

**COURSE TITLE    INFORMATICS (Foundation Course-II) COURSE CODE  
MMC1221**

At the end of the course, the student will be able to :

CO No.            Course Outcomes

CO-1 To introduce various online resources which will help students improve their teaching-learning experience

CO-2 The students will also be able to utilize these web resources to enhance their career and academics.

CO-3 To provide awareness on cyber-crimes and cyber laws.

## **SEMESTER II**

**COURSE TITLE    PYTHON PROGRAMMING COURSE CODE    MMC1241**

At the end of the course, the student will be able to :

CO No.            Course Outcomes

CO-1 Remember data types and operators.

CO-2 Understand decision making statements.

CO-3 Apply exceptions.

CO-4 Analyse different sorting methods.

CO-5 Understand GUI programming concepts.

CO-6 Create functions and modules.

## **SEMESTER III**

**COURSE TITLE    MULTI VARIABLE CALCULUS AND VECTOR CALCULUS**

**COURSE CODE    MMC1331**

At the end of the course, the student will be able to :

CO No.            Course Outcomes

CO-1    Learn about functions of more than one variable.

CO-2    Understand the limit, continuity and differentiability of functions with more than one variable.

CO-3    Understand various applications of multivariable calculus.

CO-4    Learn the integration of vector valued function.

CO-5    Learn various applications of integration of vector valued functions.

### **SEMESTER III**

**COURSE TITLE    ABSTRACT ALGEBRA – GROUP THEORY**

**COURSE CODE    MMC1332**

At the end of the course, the student will be able to :

CO No.            Course Outcomes

CO-1    Understand the definition of group and its various properties through examples.

CO-2    Understand subgroups, cyclic groups and various properties of the same.

CO-3    One will be able to understand permutation groups.

CO-4    Learn the well-known Cayley's and Lagrange's theorem.

CO-5    Learn certain applications of group theory.

### **SEMESTER III**

**COURSE TITLE    COMPUTER GRAPHICS    COURSE CODE    MMC1341**

At the end of the course, the student will be able to :

CO No.            Course Outcomes

CO-1    Remember graphics primitives.

CO-2    Understand different transformations.

CO-3    Apply clipping algorithm to different models.

CO-4    Analyse different line drawing algorithms.

CO-5    Understand color illumination models.

CO-6    Understand types of projections.

### **SEMESTER III**

#### **COURSE TITLE OPERATING SYSTEM COURSE CODE MMC1342**

At the end of the course, the student will be able to :

CO No. Course Outcomes

CO-1 Remember functions, types and characteristics of operating systems.

CO-2 Understand process management.

CO-3 Apply CPU scheduling algorithms for different number of jobs.

CO-4 Analyse different deadlock situations, disk scheduling algorithms.

CO-5 Evaluate synchronization problems.

CO-6 Understand memory allocation methods.

### **SEMESTER IV**

#### **COURSE TITLE ABSTRACT ALGEBRA – RING THEORY**

#### **COURSE CODE MMC1431**

At the end of the course, the student will be able to :

CO No. Course Outcomes

CO-1 Understand the definition, various properties of rings through examples.

CO-2 Understand the definition and various properties of prime ideal and maximal ideal

CO-3 Understand the definition of ring homomorphism and various properties of the same.

CO-4 Learn polynomial rings, reducibility, irreducibility and the unique factorization of some polynomial rings.

CO-5 Learn divisibility properties of various integral domains.

CO-6 Learn unique factorization domains and Euclidean domains through examples.

### **SEMESTER IV**

#### **COURSE TITLE LINEAR ALGEBRA COURSE CODE MMC1432**

At the end of the course, the student will be able to :

CO No. Course Outcomes

CO-1 Learn the Gauss Elimination method also one will be able to find inverse of matrices by the elimination method.

CO-2 One will be able to solve a non-homogeneous linear system of equations.

- CO-3 Understand the basis and dimension of a Vector space.
- CO-4 Learn linear transformation on a vector space through certain examples
- CO-5 Understand the Eigen values of a matrix.
- CO-6 Learn the diagonalization of a matrix.

**SEMESTER IV**

**COURSE TITLE    ALGORITHMS AND DATA STRUCTURES**

**COURSE CODE    MMC1441**

At the end of the course, the student will be able to :

- | CO No. | Course Outcomes                            |
|--------|--|
| CO-1   | Remember properties of a good algorithm.   |
| CO-2   | Understand operations of stack and queues. |
| CO-3   | Apply pointer concept in linked list.      |
| CO-4   | Analyse different sorting algorithms.      |
| CO-5   | Evaluate different expressions.            |
| CO-6   | Create binary from a given infix notation. |

**SEMESTER IV**

**COURSE TITLE    WEB PROGRAMMING    COURSE CODE    MMC1442**

At the end of the course, the student will be able to :

- | CO No. | Course Outcomes   |
|--------|---|
| CO-1   | Learn the well-known Cauchy's Integral Theorem.                               |
| CO-2   | Learn the Residue Theory of Complex functions.                                |
| CO-3   | Learn the Cauchy's Integral formula   |
| CO-4   | Learn Taylor Series and Laurent series representations of analytic functions. |
| CO-5   | Learn various applications of integration.                                    |

**SEMESTER VI**

**COURSE TITLE    GRAPH THEORY (ELECTIVE)    COURSE CODE    MMC1633.1**

At the end of the course, the student will be able to :

- | CO No. | Course Outcomes |
|--------|-----------------|
|--------|-----------------|



CO-1 Understand the role of graphs in Mathematics, Other branches of Science and Social Sciences.

CO-2 Familiarize with many graphical parameters.

CO-3 Explain different properties of graphs and in particular about trees.

CO-4 Able to construct models of real life problems.

CO-5 Analyze various applications through graphs.

#### **SEMESTER VI**

**COURSE TITLE    LINEAR PROGRAMMING WITH SAGEMATH (ELECTIVE)**

**COURSE CODE    MMC1633.2**

At the end of the course, the student will be able to :

CO No.            Course Outcomes

CO-1 Solve various types of problems by using Linear programming.

CO-2 Acquire knowledge on Optimization.

CO-3 Develop algorithms for linear programs.

CO-4 Analyze different types of solutions for Linear programming problems.

CO-5 Experience with various method to solve a linear programming problem.

#### **SEMESTER VI**

**COURSE TITLE    NUMERICAL ANALYSIS WITH SAGEMATH (ELECTIVE)**

**COURSE CODE    MMC1633.3**

At the end of the course, the student will be able to :

CO No.            Course Outcomes

CO-1 Familiar with getting approximate solutions to problems.

CO-2 Able to evaluate differential and integral equations numerically.

CO-3 Understand the principle of error and approximation.

CO-4 Analyze various methods and formula for solving equations  $f(x) = 0$ .

CO-5 Familiar with Numerical methods for ordinary differential equations and linear systems.

#### **SEMESTER VI**

**COURSE TITLE    FUZZY MATHEMATICS (ELECTIVE)**

**COURSE CODE    MMC1633.4**

At the end of the course, the student will be able to :

CO No.            Course Outcomes

CO-1    Able to construct Fuzzy sets.

CO-2    Analyze the properties of Crisp sets and fuzzy sets.

CO-3    Understand different Operations on Fuzzy sets

CO-4    Familiar with Fuzzy relations.

CO-5    Able to identify the similarities and difference between fuzzy set factors and crisp set factors.

**SEMESTER VI**

**COURSE TITLE    INTEGRAL TRANSFORMS (ELECTIVE) COURSE CODE  
MMC1633.5**

At the end of the course, the student will be able to :

CO No.            Course Outcomes

CO-1    Understand the basic concepts in Laplace transform.

CO-2    Analyze the relation between transforms and integrals.

CO-3    Apply transforms to Nonhomogeneous Linear Ordinary differential equations.

CO-4    Acquire knowledge on different forms of ODE's.

CO-5    Preliminary ideas about Fourier series and periodic functions.

**SEMESTER VI**

**COURSE TITLE    DATA COMMUNICATION AND COMPUTER NETWORKS  
COURSE CODE    MMC1641**

At the end of the course, the student will be able to :

CO No.            Course Outcomes

CO-1    Remember    data    communication            fundamentals    and            types of connections

CO-2    Understand pros and cons of different transmission media

CO-3    Remember protocols and standards

CO-4    Understand different LAN standards

CO-5    Evaluate leaky bucket algorithm

CO-6 Understand File Transfer Protocol

**SEMESTER VI**

**COURSE TITLE DATA MINING TECHNIQUES COURSE CODE MMC1642**

At the end of the course, the student will be able to :

CO No. Course Outcomes

CO-1 Remember types and application domains of datamining

CO-2 Understand Data Pre-processing and Cleaning

CO-3 Apply rule base in classification

CO-4 Analyse Apriori algorithm

CO-5 Understand characteristics and types of cluster analysis

CO-6 Create decision trees for classification

**SEMESTER VI**

**COURSE TITLE PROJECT& VIVA-II (Computer Applications)**

**COURSE CODE MMC1643**

At the end of the course, the student will be able to :

CO No. Course Outcomes

CO-1 To provide an opportunity to apply the knowledge gained through various courses in solving a real life problem

CO-2 To provide an opportunity to practice different phases of software/system development life cycle

CO-3 To introduce the student to a professional environment and/or style typical of a global IT industry

CO-4 To provide an opportunity for structured team work and project management

CO-5 To provide an opportunity for effective, real-life, technical documentation

CO-6 To provide an opportunity to practice time, resource and person management.

## 2.6.1 Cos, Pos, PSOs (2020-21)

<b>M. Sc. Physics</b>		
Programme Outcome:	(i) Define and explain fundamental ideas and mathematical formalism of theoretical and applied physics. (ii) Identify, classify, and extrapolate the physical concepts and related mathematical methods to formulate and solve real physical problems. (iii) Identify and solve interdisciplinary problems that require simultaneous implementation of concepts from different branches of physics and other related areas. (iv) To define a research problem, translate ideas into working models, interpret the data collected draw the conclusions and report scientific data in the form of dissertation. (v) To disseminate scientific knowledge and scientific temper in the society to contribute towards greater human cause.	
Course Code	Course Name	Course Outcome
PH 211	Classical Mechanics	CO 1: Students can learn the concepts of Lagrangian and Hamiltonian mechanics and use them to solve problems in mechanics. Able to learn concepts of generating functions, Poisson brackets Hamilton Jacobi equations and action angle variables. CO 2: To equip the students to deal with central force problem and analyzing Kepler's laws. CO3: To inculcate the students the concepts of special and general theory of relativity and related problems. CO4: To acquaint the students about the theory of small oscillations and Euler's equations of motions of rigid bodies. CO5: To analyze nonlinear dynamical systems and to explain the concepts of classical chaos.
PH 212	Mathematical Physics	CO 1: To apply and analyze the various vector and matrix operations and to perform complex analysis for solving physical problems. CO2: To demonstrate and utilize the concepts of Fourier series and its transforms. CO3: To explain and differentiate different probabilistic distributions. CO4: To apply partial differential equations and special functions for solving mathematical problems. CO5: To illustrate and apply concepts of group theoretical operations and tensors.
PH 213	Basic Electronics	CO 1: To equip the students design and analyze different analogue and digital circuits. CO 2: To summarize the knowledge of basic arithmetic and data processing circuits and memory devices. CO3: To equip the students to explain various components in optical communications systems and microwave devices. CO4: To measure and analyze the different electronic signals.
PH 251	General Physics Practicals	CO 1: To measure and analyze various physical quantities. CO2: To calculate error in various general physics experiments. CO3: To develop experimental skills
PH 252	Electronics & Computer Science Practicals	CO 1: To design and construct various electronic circuits and its validation. CO2: To calculate error in various electronics experiments. CO3: To develop experimental and programming skills
PH 221	Modern Optics & Electromagnetic theory	CO 1: To demonstrate the linear and nonlinear optical phenomena. CO2: To explain and discuss propagation of electromagnetic waves through different media. CO3: To restate formulations and relativistic effects in electrodynamics. CO4: To analyze the propagation of electromagnetic waves through waveguides. CO5: To use radiation theory in developing different antennas.

PH 222	Thermodynamics, Statistical Physics & Basic Quantum Mechanics	CO 1: To explain the basic thermodynamic relations, Maxwell's equations and its consequences. CO 2: To equip the students to demonstrate and apply classical and quantum statistics in different physical phenomena. CO 3: To distinguish the different phase transitions using Ising model. CO4: Outline and apply foundations of quantum mechanics.
PH 223	Computer Science and Numerical Techniques	CO1: To summarize computer hardware and its operating systems. CO2: Explain internal architecture of microprocessors 8085 and create assembly language programming. CO3: To develop and compile programs in python and C++. CO4: Apply numerical methods to solve physical problems.
PH 231	Advanced Quantum Mechanics	CO1: To extend the use of approximation methods viz variation, WKB, time dependent and time independent perturbations. CO2: To summarize different types of symmetry, conservation laws and quantum theory of scattering. CO3: To distinguish different approximation methods, to study the structure and properties of many electron systems. CO4: To compute eigen values of angular momentum and evaluation of CG coefficients. CO5: Infer the requirements of relativistic quantum mechanics.
PH 232	Atomic and Molecular Spectroscopy	CO1: Explain different symmetry operations and deduction of molecular structure. CO2: Distinguish and classify the different spectra shown by atoms and molecules CO3: Illustrate the various spectroscopic experimental techniques.
PH 233 E	Advanced Electronics -I	CO1: To summarize various techniques of digital and analog communication systems. CO2: Generalize the idea of information theory CO3: Illustrate various techniques for digital signal processing based Fourier and Z transform.
PH 241	Condensed Matter Physics	CO1: Discuss crystal physics, lattice vibrations, models of thermal properties and band theory of solids. CO 2: Explain the theoretical concepts of semiconductors, dielectric, magnetic and superconducting materials. CO 3: To describe the synthesis and characterization techniques of nanomaterials. CO 4: To apply the concepts in condensed matter physics to meet the challenge
PH 242	Nuclear and Particle Physics	CO1: To describe and analyze nuclear structure, models and reactions. CO2: To illustrate the mechanisms of nuclear fission and fusion reactions. CO3: Discuss various nuclear detectors and particle accelerators. CO4: To classify elementary particles and discuss their interactions.
PH 243E	Advanced Electronics-II	CO1: Demonstrate microprocessor architecture, programming and interfacing devices. CO2: Outline the basic concepts of embedded systems, artificial intelligence and neural networks. CO3: Illustrate fundamental data communications codes, radar and satellite communication systems.
PH 261	Advanced Physics Practical	CO1: To measure and analyze various physical quantities. CO2: To calculate error in various advanced physics experiments. CO3: To develop experimental skills. CO4: To analyze and point out results of experimental data.
PH 262E	Advanced Electronics Practicals	CO1: To design and construct various electronic circuits and its validation. CO2: To calculate error in various electronics experiments. CO3: To develop and test assembly language programs using microprocessors

## Programme Specific Outcome (PSOs)

PSO1: The theory of classical mechanics (it is a branch of physics) accurately describes the motion of objects, provided they are much larger than atoms and moving at much less than the speed of light. These theories continue to be areas of active research today.

PSO2: Capable of analysing and solving problems using reasoning skills based on concepts of Physics

PSO3: The course of Electronics will make the students to identify the electronic components and their working principles.

PSO4: Students develop an understanding of the principles of optics.

PSO5: Quantum mechanics develop problem solving methods that will include mathematical as well as numerical computations and solutions.

PSO6: Understand good laboratory practices and safety

Thermal and Statistical Physics explore various applications related to topics in material science and the physics of condensed matter.

PSO7: Students will learn the applications of numerical techniques for modeling physical systems for which analytical methods are inappropriate or of limited utility Understand, Analyze and Develop computer programs for efficient design of computer-based systems of varying complexity.

Develop the following experimental tools: Numerically model simple physical systems using Euler's method, curve fitting, and error analysis.

PSO8: Develop knowledge and understanding of the concept that quantum states live in a vector space. Develop a knowledge and understanding of the meaning of measurement.

PSO9: To analyze, design and develop solutions by applying foundational concepts of electronics.

PSO10: The subject will be useful to gain an understanding of the interplay between classical - and quantum mechanical phenomena, and how microscopic/atomic processes acting between many atoms/molecules produces the typical properties of different solid state matter. It gives the basic knowledge for accomplishment of a master thesis in condensed matter physics. Solid State Physics develop a basis for future learning and work experience.

PSO11: Nuclear Physics develop familiarity with nuclear and particle physics, facilitating informed decisions as students pursue research projects, internships, careers, and graduate study.

PSO12: Perform the general Physics and research oriented experiments with appropriate analysis for proper interpretation of results; to undertake individual project and present the research findings.

PSO13: : Independently carry out research / investigation to solve practical problems and write / present a substantial technical report/document

**PROGRAMME SPECIFIC OUTCOME (PSO) FOR FDP IN CHEMISTRY**

<b>Sl.No</b>	<b>Upon completion of BSc Degree programme in Chemistry, students</b>	<b>PSO No.</b>
1	Develop scientific outlook scientific attitude and scientific temper	PSO1
2	Develop skill in experimenting , analyzing and interpreting data	PSO2
3	Develop research attitude and adopt scientific method of identifying, analyzing and solving research problems in an innovative way	PSO3
4	Apply physical and mathematical theories and principles in the context of chemical science	PSO4
5	Use chemistry related soft wares for drawing structure and plotting graphs	PSO5
6	Use instruments- potentiometer, conductometer, pH meter and colorimeter.	PSO6
7	Acquire skill in safe handling of chemicals including hazardous materials.	PSO7
8	Identify the ingredients in household chemicals, use them in a critical way	PSO8
9	Predict analytical procedures, compare experimental, theoretical and graphical methods of analysis	PSO9
10	Predict reaction mechanism in organic reactions	PSO10
11	Understand the terms, concepts, methods, principles and experimental techniques of physical, organic, inorganic and analytical chemistry	PSO11
12	Develop critical thinking and adopt healthier attitudes towards individual, community and culture through the course of Chemistry	PSO12
13	Become cautious about environmental aspects and impact of chemicals in soil, water and air and adopt ecofriendly approach in all frontiers of life	PSO13
14	Become responsible in consumption of natural resources and adopt measures for sustainable development.	PSO14
15	Visit Chemical factories and industries with scientific curiosity	PSO15
16	Develop writing skills and presentation skills using audio visual aids	PSO16

17	Compare and share knowledge in an interdisciplinary manner	PSO17
18	Inculcate spirit of originality, novelty, and necessity in scientific research	PSO18
19	Contribute to the academic and industrial requirements of the society	PSO19
20	Get motivated to higher studies - PG Degree in different branches of Chemistry, BEd Degree in Physical Science, and job opportunities in industrial and non industrial sectors	PSO20
21	Adopt safer life skills in a human friendly and ecofriendly way	PSO21

## COURSE OUTCOMES

### Core course-I INORGANIC CHEMISTRY I CH 1141

CO No.	COURSE OUTCOME <i>Upon completion of this course, the students</i>	Cognitive Level	PSO No.
1	Discuss the course of development of structure of atom.	U	PSO1
2	Apply rules for filling electrons in classifying elements into s, p,d and f blocks	A	PSO10
3	Define various scales of electronegativities and their applications	U	PSO10
4.	Define Effective nuclear charge and Slater's rules	U,A	PSO10
5	Discuss about diagonal relationship and anomalous behaviour of hydrogen and other first element in each group.	U	PSO4
6	Correlate and predict general properties of s and p block elements based on their electronic configuration.	A	PSO4
7	Realise applications of s and p block elements in sustainable and renewable energy sources.	A	PSO14
8	Define various concepts of acids and bases.	U	PSO11
9	Understand reactions in non aqueous solvents.	U	PSO11
10	Realise various causes, effects and control measures of environmental pollution.	E	PSO13



11	Review national movements for environmental protection.	U, A	PSO21
----	---	------	-------

**Foundation course II CHEMISTRY –ITS ORIGIN, METHODOLOGY AND IMPACTS CH 1221**

CO no.	COURSE OUTCOME <i>Upon completion of this course, the students</i>	Cognitive level	PSO
1	Appreciate the development of scientific theories through years with specific examples	U	PSO1
2	Develop curiosity and scientific attitude towards the application of chemistry in daily life	C	PSO1
3	Outline a procedure for experimentation	A	PSO2
4	Appraise the current development in Chemistry	E	PSO1
5	Identify the common ingredients of household synthetic products	U	PSO8
6	Discriminate and classify chemicals used as drugs, explosives,	U	PSO7
7	Get motivated in visiting chemical Industries	E	PSO15

8	Adopt safety measures in handling chemicals	A	
9	Draw titration curves and explain theory of volumetric titrations	A	PSO2/PSO3
10	Select suitable indicators for acid base titration knowing the theories of acid base titration and indicators	A	PSO11
11	Develop computational skills	A	PSO5
12	Discuss separation techniques of filtration and chromatographic techniques	U	PSO3

**Core course-II INORGANIC CHEMISTRY II CH 1341**

CO No.	COURSE OUTCOME	Cognitive	PSO
--------	----------------	-----------	-----

	<i>Upon completion of this course, the students.</i>	<b>Level</b>	<b>No.</b>
1	Understand various theories of chemical bonding and their limitations.	U	PSO4
2	Predict stability of atoms and the nature of bonding between atoms.	U,A	PSO4
3	Discuss various applications of intermolecular interactions	U	PSO4
4.	Understand chemistry of glass, silicates and silicones	U	PSO7 PSO8
5	Discuss chemistry of Boron compounds, oxyacids and oxides of Phosphorous	U	PSO11
6	Understand refractory carbides, nitrides, borides and silicides.	U	PSO11
7	Describe various types of halogen compounds.	U	PSO3
8	Understand chemistry of noble gas	U	PSO3
9	Understand inorganic polymers and their applications.	U	PSO8
10	Distinguish between types of nuclear reactions.	U	PSO11
11	Describe measurement of radioactivity.	U	PSO2 PSO3
12	Discuss applications of radioactivity in various fields.	U	PSO3
13	Understand introductory concepts of nanochemistry	U,A	PSO18
14	Suggest methods of synthesizing nano materials.	U	PSO18
15	Appreciate the variety of applications of nanomaterials.	U ,A	PSO18

**Core course-III ORGANIC CHEMISTRY – I CH 1441**

<b>CO No.</b>	<b>COURSE OUTCOME</b> <i>Upon completion of this course, the students</i>	<b>Cognitive Level</b>	<b>PSO No.</b>
1	Recall the fundamentals of organic chemistry.	R	PSO1
2	Apply the electron displacement effects to compare acidity, basicity and stability of organic compounds/intermediates.	A	PSO4
3	Judge the reaction mechanism of substitution and	U	PSO10

	elimination on the basis of the structure of alkyl halides.		
4	Summarise the chemistry of reaction intermediates.	U	PSO10
5	Discuss optical, geometrical and conformational isomerism of organic compounds.	U	PSO11
6	Use CIP rules to predict the configuration of organic compounds	A	PSO10
7	Differentiate photochemical and thermal reactions.	U	PSO11
8	Discuss theory of colour and constitution and the method of synthesis of dyes	U	PSO8
9	Explain aromaticity, orientation effect and mechanism of aromatic electrophilic substitution.	U	PSO10
10	Demonstrate the method of determination of reaction mechanism.	A	PSO10

#### Core Course-IV, Lab Course I Inorganic Qualitative Analysis CH1442

CO No.	<b>COURSE OUTCOME</b> <i>Upon completion of this course, the students</i>	<b>Cognitive Level</b>	<b>PSO No.</b>
1	Obey Lab safety instructions, develop qualities of punctuality, regularity and scientific attitude, out look and scientific temper (GOOD LAB PRACTICES)	U	PSO1
2	Develop skill in safe handling of chemicals, take precaution against accidents and follow safety measures	A	PSO2/ PSO8
3	Use glass wares ,electric oven, burners and weighing balance	A	PSO1
4	Develop skill in observation , prediction and interpretation of reactions	A	PSO1
5	Detect solubility, and classify compounds according to their solubility	U	PSO3
6	Apply the principle of common ion effect and solubility	A	PSO1&

	product in the identification and separation of ions		PSO2
7	Develop skill in preparing and purifying inorganic complex compounds	A	
8	Use filtration and chromatographic techniques, vacuum pump and centrifugal pumps	U	PSO4

### Core Course V PHYSICAL CHEMISTRY I CH 1541

CO No.	<b>COURSE OUTCOME</b> <i>Upon completion of this course, the students</i>	Cognitive level	PSO
1	Identify, compare and explain the properties and behaviour of ideal and real gases, knowing kinetic theory of gases and different types of molecular velocities and collision properties.	U	PSO11
2	Perform numerical problems of gases under a set of conditions	A	PSO2
3	Differentiate between amorphous and crystalline solids, Understand anisotropy, symmetry and types of crystals, X ray diffraction methods of study of crystal structure, identify the imperfections in crystals understand the physical aspects of surface tension and viscosity of liquids and the basics of liquid crystals and their applications	U	PSO11
4	representation of lattice planes and calculation of interplanar spacing, draw the crystal structures of NaCl and CsCl	A	PSO9
5	Recalling the basic concepts of solutions, concentration terms, Raoult's law and colligative properties	U	PSO9
6	Determination of colligative properties and molecular mass of solute	E	PSO9
7	Understand the working principle Electro-Chemical cells	U	PSO9
8	Design and Determine the potentials of electrochemical systems	E	PSO2

9	Assess the nature of electrolytes in terms of dissociation and ionic conductance of electrolytes in terms of mobility of ions	E	PSO2
10	Integrate the theory into practical applications of conductometric titrations	A	PSO3

**Core course-VI INORGANIC CHEMISTRY III CH 1542**

<b>CO No.</b>	<b>COURSE OUTCOME</b> <i>Upon completion of this course, the students</i>	<b>Cognitive Level</b>	<b>PSO No.</b>
1	Discuss the electronic configuration and related properties of transition elements and inner transition elements	U	PSO11
2	Understand preparation of selected transition metal compounds,lanthanides and actinides	U,A	PSO11

3	Compare lanthanide and actinide contraction and their consequences.	U	PSO11
4.	Name coordination complexes,organometallics, discuss their properties and bonding	U	PSO11
5	Understand stability of complexes and factors affecting stability	U	PSO3
6	Discribe isomerism in coordination compounds	U, A	PSO3
7	Discuss spectrochemical series, CFSE and their consequences	U	PSO3
8	Correlate geometry , stability and Jahn Teller effect and its causes	A	PSO11
9	Discuss reaction mechanisms and applications of coordination compounds	U	PSO11
10	Name and Classify organometallic compounds	U	PSO3
11	Discuss preparation and properties and bonding of carbonyls	U	PSO3
12	Identify the role of organometallic compounds in organic synthesis	U	PSO10

13	Discuss the role of inorganic ions in biological systems and biochemistry of haemoglobin, myoglobin, cytochromes, iron sulphur proteins	U	PSO10
14	Discuss various bioinorganic processes like photosynthesis, working of sodium potassium pump, etc	U	PSO17
15	Describe various aspects of metallurgy, and instrumental methods of analyses viz., spectrophotometric methods, thermal methods and tools available to measure nanomaterials	U	PSO6

**Core course-VII ORGANIC CHEMISTRY II CH 1543**

CO No.	COURSE OUTCOME <i>Upon completion of this course, the students</i>	Cognitive Level	PSO No.
1	Describe the preparation of hydroxy, carbonyl & amino compounds, carboxylic acids and organo Mg, Li & Zn compounds.	R	PSO10
2	Distinguish primary, secondary & tertiary alcohols and amines.	U	PSO10

3	Write reaction steps in ascending & descending of alcohol and aliphatic acid series, interconversion of aldose and ketose, chain lengthening and shortening of aldoses.	U	PSO11
4.	Explain the structure of glucose, fructose, sucrose, starch and cellulose.	U	PSO11
5	Predict the outcome and mechanism of simple organic reactions, using a basic understanding of the reactivity of functional groups	A	PSO10
6	Illustrate the use of organic reagents in synthesis.	A	PSO3 PSO10
7	Discuss fundamental principles of supramolecular and green chemistry	U	PSO13

**Core course-X PHYSICAL CHEMISTRY II CH 1641**

<b>CO No.</b>	<b>COURSE OUTCOME</b> <i>Upon completion of this course, the students</i>	<b>Cognitive level</b>	<b>PSO</b>
1	Understand basic concepts of thermodynamics , spectroscopy and group theory	U	PSO11
2	Apply laws of thermodynamics in physical and chemical processes and real system	A	PSO1
3	Classify processes, properties and systems on a thermodynamic basis		PSO3
4	Discuss the second law of thermodynamics and Assess thermodynamic applications using second law of thermodynamics.	E, A	PSO3
5	Discuss basic concepts of statistical thermodynamics	U	PSO11

6	Solve numerical problems based on thermodynamics and thermochemistry		PSO2
7	Understand the basics of spectroscopic techniques Rotational, Vibrational and Raman Spectroscopy	U	PSO2
8	Compare NMR and ESR spectroscopy and their applications	U	PSO3
9	Evaluate physical and chemical quantities using non spectroscopic techniques.	U, E	PSO4
10	Identify the elements of symmetry and Determine the point groups of simple molecules	E	PSO11
11	Differentiate diamagnetism and paramagnetism, measurement of magnetic susceptibility	U	PSO11
12	Correlate dipole moment with geometry of molecules	R, U	PSO11

**Core course-XI ORGANIC CHEMISTRY III CH 1642**

<b>CO No.</b>	<b>COURSE OUTCOMES</b> <i>Upon completion of this course, the students</i>	<b>Cognitive Level</b>	<b>PSO No.</b>
1	Outline the chemistry of simple heterocyclic compounds	U	PSO10

2	Classify amino acids, proteins, nucleic acids, drugs, terpenes, vitamins, lipids and polymers.	U	PSO10
3	Discuss the synthesis of amino acids, peptides, drugs and polymers.	U	PSO9
4	Describe the isolation and structure of terpenes and alkaloids.	R	PSO10
5	Explain the mechanism and techniques of polymerisation.	U	PSO11
6	Discuss the principle of UV, IR, NMR and Mass spectroscopy.	U	PSO2
7	Interpret spectroscopic data to elucidate the structure of simple organic compounds.	A	PSO18
8	Use the simple organic reactions to elucidate the structure of quinoline, piperine and conine.	A	PSO18

**Core course-XII PHYSICAL CHEMISTRY III CH 1643**

<b>CO No.</b>	<b>COURSE OUTCOMES</b> <i>Upon completion of this course, the students</i>	<b>Cognitive Level</b>	<b>PSO</b>
1	Recall the basic physical concepts in quantum mechanics, colloids, adsorption, Chemical Kinetics, catalysis, chemical and ionic equilibria, phase equilibria, binary liquid systems and photochemistry	R	PSO4
2	Understand the basic concepts involved in quantum mechanics, colloids, adsorption, Chemical Kinetics, catalysis, chemical and ionic equilibria, phase equilibria, binary liquid systems and photochemistry	U	PSO4
3	Derive and Interpret important theories and equations involved in physical chemistry	A	PSO10
4	Demonstrate the origin of quantum numbers by correlating the Cartesian and spherical polar coordinates of hydrogen atom.	A	PSO10
5	Identify and recognize the applications of various principles, equations and physical processes	U	PSO10
6	Perform calculations involving physical concepts and	A	PSO4



	equations		
7	Analyze` graphical representations (phase diagrams, two and three components, vapour pressure – composition and boiling point –composition, temperature-composition) present in physical chemistry.	A	PSO9
8	Understand terminology	U	PSO11

9	Understand the effects of external influence on various chemical processes	U	PSO1
10	Understand different laws and principles of physical chemistry	U	PSO3

**Core course-XI ORGANIC CHEMISTRY III CH 1642**

CO No.	COURSE OUTCOMES	Cognitive Level	PSO No.
	<i>Upon completion of this course, the students</i>		
1	Outline the chemistry of simple heterocyclic compounds	U	PSO10
2	Classify amino acids, proteins, nucleic acids, drugs, terpenes, vitamins, lipids and polymers.	U	PSO10
3	Discuss the synthesis of amino acids, peptides, drugs and polymers.	U	PSO9
4	Describe the isolation and structure of terpenes and alkaloids.	R	PSO10
5	Explain the mechanism and techniques of polymerisation.	U	PSO11

6	Discuss the principle of UV, IR, NMR and Mass spectroscopy.	U	PSO2
7	Interpret spectroscopic data to elucidate the structure of simple	A	PSO18

	organic compounds.		
8	Use the simple organic reactions to elucidate the structure of quinoline, piperine and conine.	A	PSO18

**Core course-XII PHYSICAL CHEMISTRY III CH 1643**

CO No.	COURSE OUTCOMES <i>Upon completion of this course, the students</i>	Cognitive Level	PSO
1	Recall the basic physical concepts in quantum mechanics, colloids, adsorption, Chemical Kinetics, catalysis, chemical and ionic equilibria, phase equilibria, binary liquid systems and photochemistry	R	PSO4
2	Understand the basic concepts involved in quantum mechanics, colloids, adsorption, Chemical Kinetics, catalysis, chemical and ionic equilibria, phase equilibria, binary liquid systems and photochemistry	U	PSO4
3	Derive and Interpret important theories and equations involved in physical chemistry	A	PSO10
4	Demonstrate the origin of quantum numbers by correlating the Cartesian and spherical polar coordinates of hydrogen atom.	A	PSO10
5	Identify and recognize the applications of various principles, equations and physical processes	U	PSO10
6	Perform calculations involving physical concepts and equations	A	PSO4

7	Analyze` graphical representations (phase diagrams, two and three components, vapour pressure – composition and boiling point –composition,temperature-composition) present in physical chemistry.	A	PSO9
8	Understand terminology	U	PSO11

9	Understand the effects of external influence on various chemical processes	U	PSO1
10	Understand different laws and principles of physical chemistry	U	PSO3

**Core Course-VIII, Lab Course II INORGANIC VOLUMETRIC ANALYSIS CH1544**

CO No.	COURSE OUTCOME	Cognitive Level	PSO No.
	<i>Upon completion of this course, the students</i>		
1	Develop skill in selecting, primary and secondary standards	U	PSO1
2	Develop skill in weight calculation of primary standards weighing by electronic balance, making of solutions of definite strength (standard solutions)	A	PSO2 PSO8
3	Use sophisticated glass wares, calibrate apparatus and develop skill in keen observation , prediction and interpretation of results	A	PSO1
4	Perform volumetric titrations under acidimetry-alkalimetry, permanganometry, dichrometry, iodimetry-iodometry,cerimetry, argentometry and complexometry	A	

5	Compare the advantages and disadvantages of different volumetric techniques	U	
6	Practice Punctuality and regularity in doing experiments and submitting Lab records	A	

**Core Course-IX, Lab Course III PHYSICAL CHEMISTRY EXPERIMENTS CH1545**

CO No.	COURSE OUTCOME		PSO No.
	<i>Upon completion of this course, the students</i>		
1	Develop Scientific outlook and approach in applying principles of physical chemistry in chemical systems/reactions	U	PSO1
2	Use computational methods for plotting graph	A	PSO2/PSO8

3	Describe systematic procedures for physical experiments	U	PSO1
4	Acquire Instrumentation skill in using conductometer, potentiometer, refractometer, stalagmometer and Ostwald's viscometer.	U	PSO3
5	Compare theory with experimental findings	A	PSO1 & PSO2
6	Practice Punctuality and regularity in doing experiments and submitting Lab records	A	

**Core Course-XIII, Lab Course IV ORGANIC CHEMISTRY EXPERIMENTS CH1644**

CO No.	COURSE OUTCOME		PSO

	<i>Upon completion of this course, the students</i>		
1	Develop curiosity in systematically analyzing organic compounds	A	PSO1
2	Differentiate and identify organic compounds by their characteristic reactions towards standard reagents	U	PSO10
3	Confirm their findings by preparing solid derivatives, and thus understand reliability of experimental results	A	PSO2
4	Determine physical constants of organic compounds	A	PSO3

5	Separate organic compounds by TLC/paper/column chromatographic techniques	A	PSO3
6	Prepare soaps	A	PSO18
7	Apply the principles and techniques in organic chemistry, thereby developing skill in designing an experiment to synthesize and purify organic compounds	A	PSO18
8	Practice systematic scientific procedure and prepare adequate report of them	A	PSO16
9	Understand the chemistry behind organic reactions	A	PSO10

**Core Course-XIV, Lab Course V GRAVIMETRIC EXPERIMENTS CH1645**

CO No.	COURSE OUTCOME	Cognitive Level	PSO No.
	<i>Upon completion of this course, the students</i>		
1	Understand precipitation techniques in quantitative context	U	PSO1

2	Appreciate the application of silica crucible and sintered crucible in gravimetry	A	PSO2 PSO8
3	Practice technique of making, diluting solutions on quantitative basis	A	PSO1
4	Realise the factors affecting precipitation/crystallisation	A	PSO1
5	Take precautionary measures in filtration , drying and incineration of precipitates	U	PSO3
6	Understand the principle of colorimetry to estimate Fe <sup>3+</sup> and ammonia	A	PSO1& PSO2
7	Practice Punctuality and regularity in doing experiments and submitting Lab records	A	

### PROJECT COURSE CH1646

CO No	COURSE OUTCOME		PSO No.
	<i>Upon completion of this course, the students</i>		
1	Develop an aptitude for research in chemistry	U,A	PSO1
2	Practice research methodology and literature search	A	
3	Critically choose appropriate research topic and presentation	A	PSO2 PSO8

### Open Course ENVIRONMENTAL CHEMISTRY CH 1551.3

CO	COURSE OUTCOME	Cognitive Level	PSO No.

No.	<i>Upon completion of this course, students</i>		
1	Discuss the structure and composition of the atmosphere	U	PSO14
2	Identify, Realise and enlist the causes of pollution to water, soil and air	U	PSO14
3	Become aware of environmental issues and its effect to man and other living beings	U	PSO12
4	Review major environmental disasters and suggest controlling and preventive measures	U	PSO12
5	Discuss the laws of environmental protection	U	PSO21

**Elective Course SUPRAMOLECULAR, NANO PARTICLES AND GREEN CHEMISTRY CH1651.1**

CO No.	COURSE OUTCOME <i>Upon completion of this course, students</i>	Cognitive Level	PSO No.
1	Become aware of pollution caused by industries	U	PSO13
2	Recognise the necessity of green approaches to protect nature	R	PSO14
3	Discuss about sustainable development and logical use of natural resources	U	PSO14
4	Motivated to more ecofriendly life style	A	PSO21
5	Realises the importance of microscale approaches and nano material research	U	PSO13 PSO21

## **B.A ENGLISH**

### **BA PROGRAMME OUTCOMES**

- Students should be able to appreciate literature as a an expression of life and use the language in day to day life
- Students should be able to understand how literature is closely linked to contexts and the culture that give rise to the various theme in different periods
- Students should be able to write analytically by interpreting texts and express them through various modes of writing
- Students should be able to apply critical and theoretical approaches to the reading and analysis of literary and cultural texts in multiple genres.

#### **Programme Specific Outcomes**

- Students will be able to imbibe the aesthetics literature offers and also demonstrate a thorough command of the language
- Will develop a specific understanding of life across continents as embodied through different genres
- Writing skills will be developed through initiation to various modes of literary output
- Critical skills will give way to research techniques to open new perspectives in latest theories and literary texts

#### **Course Outcomes**

##### Semester 1

##### 1. B.A/BSc[EN1111.1], B.Com [EN1111.2] &2(a) [EN 1111.3] Language Skills

- make the students proficient communicators in English.
- develop in the learners the ability to understand English in a wide range of contexts.
- understands the nuances of listening, speaking and reading English.
- Prepare the learners to face situations with confidence and to seek employment in the modern globalized world.
- help students to listen and to speak English better
- enhance the student's general standard of spoken English.



- The knowledge of the phonetic alphabets/symbols will help the students to refer the dictionary for correct pronunciation.
2. Foundation Course I for BA/BSc - WRITINGS ON CONTEMPORARY ISSUES: EN 1121
    - sensitize students to the major issues in the society and the world.
    - encourage them to read literary pieces critically.
    - respond empathetically to the issues of the society
  3. Language Course 3: EN 1211.1 (B.A / B.Sc) ABILITY ENHANCEMENT COMPULSORY COURSE: ENVIRONMENTAL STUDIES AND DISASTER MANAGEMENT
    - understand environmental crises and disaster management situations
    - take lead in spreading environmental values and creating awareness among the public understand local environmental issues better
    - respond in a better way to a natural calamity or disaster
    - articulate environmental concerns using appropriate vocabulary
  4. Language Course 4 -EN 1212.1 (BA/B. Sc), Language Course 3 - EN 1211.2 (B.Com) and ENGLISH GRAMMAR, USAGE AND WRITING
    - Have an appreciable understanding of English grammar.
    - Produce grammatically and idiomatically correct spoken and written discourse.
    - Spot language errors and correct them.
  5. Language Course 6 - EN 1311.1 (BA/B. Sc),
    - Acquire the necessary language skills required in the competitive job market.
    - Acquire the cognitive, logical, analytical and verbal skills necessary to succeed in competitive examinations
    - Become familiar with the pattern of questions usually asked in the competitive examinations 19
    - Get sufficient practice in Vocabulary, Grammar, Comprehension and Remedial English
    - Be able to prepare for and be successful in competitive examinations
  6. Language Course 4 - EN 1311.2 (B.Com) Course Title: BUSINESS ENGLISH
    - Understand the basic concepts of business communication

- ☐ Employ the English language in everyday situations and business transactions
- ☐ Communicate fluently and to reach across boundaries of personal and cultural differences

7. Language Course 8 -EN 1411.1 (BA/B. Sc), READINGS IN LITERATURE Language Course 4 - EN 1411.2 (B.Com)

- ☐ Understand and appreciate literary discourse.
- ☐ Look at the best pieces of literary writing critically.
- ☐ Analyze literature as a cultural and interactive phenomenon.
- ☐ Understand the use of the target language and make use of it in daily life.

1. Core Course 1: EN 1141 Introduction to Literary Studies I

- ☐ Introduce varied literary representations.
- ☐ Familiarize students with the nature and characteristics of literature.
- ☐ Discuss the nature and characteristics of literature
- ☐ Introduce two key genres of literature, poetry and drama.
- ☐ Possess a foundational understanding of poetry and drama

Complementary Course 1: EN 1131 Popular Literature and Culture

- ☐ Encourage the student to think critically about popular literature.
- ☐ Understand the categories of the —popularll and the —canonical
- ☐ Identify the conventions, formulas, themes and styles of popular genres such as detective fiction, the science fiction and fantasy, and children’s literature.
- ☐ An assessment of the literary and cultural value of popular texts
- ☐ Sensitize students to the ways in which popular fiction reflects and engages with questions of gender, identity, ethics and education.

Core Course 2: EN 1241 Introduction to Literary Studies II

- ☐ Cherish a taste for the literary among students
- ☐ Comprehend the nature and characteristics of different genres of literature.
- ☐ Detailed awareness of the two key genres of literature- fiction and non-fiction.

- Imbibe the representational possibilities of the respective genres.
- Instill a creative and critical aptitude

#### Complementary Course 3: EN 1231 Art and Literary Aesthetics

- The student will be able to engage with literature in a broader, educated perspective.
- The student will be able to think with greater originality and independence about the complex interrelationship between different art forms.
- The student will be trained to engage sensitively and intelligently in new readings of literature.
- The course develops an understanding of the co-relation between literature, film, music and painting and encourages ways of reading and seeing which deliver insights into literary texts.
- Initiate students to implement the multidisciplinary scope of art and literary studies.

#### Core Course 3: EN 1341 British Literature I

- Comprehend the origins of English literature
- Understand the specific features of the particular periods
- Understand themes, structure and style adopted by early British writers
- Gain knowledge of growth and development of British Literature in relation to the historical developments
- Understand how writers use language and creativity to capture human experience through different literary forms

#### Foundation Course 2: EN 1321 Evolution of the English Language

- Knowledge of the paradigm shifts in the development of English.
- Well aware of the historical paradigm shifts in the history of English Language
- Imbibe the plural socio cultural factors that went in to the shaping of the English Language.
- Place English language in a global context.
- Recognize the politics of many 'Englishes'

#### Complementary Course 5: EN 1331 Narratives of Resistance

- Be able to identify themes of resistance in different forms and genres of literature.
- Have a sense of the various kinds of injustice related to race, ethnicity, gender etc. prevalent in society. Develop an idea of literature as a form of resistance to all forms of totalitarian authority.
- Understand the inter connection between various genres in manifesting resistance
- How resistance is an undeniable presence in the everyday narratives of literary and other artistic expressions.

#### Core Course 4:EN 1441 British Literature II

- Sensitize students to the changing trends in English literature in the 18th and 19th centuries and connect it with the sociocultural and political developments.
- Develop the critical thinking necessary to discern literary merit
- Be able to recognize paradigm shifts in literature CO 4: Be able to identify techniques, themes and concerns
- Connect literature to the historical developments that shaped the English history.

#### Core Course 5: EN 1442 Literature of the 20th Century

- Know the stylistic features of Modernism and its various literary and aesthetic movements
- Critically engage the ideas that characterise the period, especially the crisis of modernity
- Understand contemporary responses to the historical incidents that mark the period
- Understand and use critical strategies that emerged in the early twentieth century

#### Complementary Course 7: EN1431 Philosophy for Literature

- Have a diachronic understanding of the evolution of philosophy from the time of Greek masters to 20th century
- Have an awareness of the major schools of thought in western philosophy.
- Have a healthy epistemological foundation at undergraduate level that ensures scholarship at advanced levels of learning.

- Talk about some of the key figures in Philosophy.
- Analyze and appreciate texts critically, from different philosophical perspectives

#### Core Course 6: EN 1541 Literature of Late 20th Century and 21st Century

- Identify the various socio-cultural changes that evolved in the late modernist period
- Relate to the diverse currents of postmodern literature and its reflections in the contemporary ethos CO Assimilate the inherent multiplicities and fluidity of societal perspectives
- Develop an innate sympathy for the tragedies of Holocaust and an awareness regarding the environmental impasses threatening the modern world
- Empathize with the marginalised and comprehend their predicament.

#### Core Course 7: EN 1542 Postcolonial Literatures

- Ability to critique colonial history
- Awareness of the socio-political contexts of colonialism and postcolonialism
- Understanding of the effects of colonialism in various nations CO 4: Knowledge of the key terms in post-colonial thought CO 5: Study of the race and gender dynamics in postcolonial literature

#### Core Course 8: EN 1543 20th Century Malayalam Literature in Translation

- Generate knowledge about the varied milieu of the development and growth of Malayalam literature and be sensitive to its socio cultural and political implications.
- Get a basic knowledge of the literary and the non-literary works produced in Malayalam
- Discern the vibrancy of Malayalam literature
- Sense the distinctness of the socio-cultural arena in which Malayalam literature is produced
- Know the value of literature produced in regional languages and key role of translation in the growth of language and literature.

#### Core Course 9: EN 1544 Linguistics and Structure of the English Language

- Understand the phonological and grammatical structure of English Language
- Be able to analyse actual speech in terms of the principle of linguistics

- Improve the accent and pronunciation of the language
- Introduce the students to internationally accepted forms of speech and writing in English.
- Explore the ancient linguistic tradition of India

#### Core Course 10: EN 1545 Criticism and Theory

- Analyze and appreciate texts critically, from different perspectives.
- Appreciate Indian Aesthetics and find linkages between Western thought and Indian critical tradition. Show an appreciation of the relevance and value of multidisciplinary theoretical models in literary study.
- Demonstrate an understanding of important theoretical methodologies and develop an aptitude for critical analysis of literary works.
- Gain a critical and pluralistic understanding and perspective of life

#### Open Course: 1 EN 1551.1 Communicative Applications in English

- Well trained to write clear, well-framed, polite but concise formal letters and e-mails for a variety of purposes
- Acquire some of the soft-skills that go hand in hand with English –namely, the ability to prepare for an interview and face it confidently, the ability to participate boldly a group discussion and contribute meaningfully to it, the ability to make a simple and interesting presentation of 5-10 minutes before a mixed audience on anything that they have learnt in the previous semesters of the UG programme.

#### Core Course 11: EN 1641 Gender Studies

- Recognize the patriarchal bias in the formation of history and knowledge.
- Analyse the ways in which gender, race, ethnicity class, caste and sexuality construct the social, cultural and biological experience of both men and women in all societies.
- Recognize and use the major theoretical frames of analysis in gender studies
- Interrogate the social constructions of gender and the limiting of the same in to the male-female binary in its intersections with culture, power, sexualities and nationalities
- Examine gender issues in relation to the sustainable goals of development

#### Core Course 12: EN 1642 Indian Writing in English

- Make students aware of different aspects of colonization like cultural colonization.
- Trace the historical and literary genesis and development of Indian Writing in English
- Acquaint them with the major movements in Indian Writing in English across varied period and genres
- Address the plurality of literary and socio-cultural representations within Indian life as well as letters.
- Enhance the literary and linguistic competence of students by making them aware of how language works through literature written in the subcontinent.

#### Core Course 13: EN 1643 Film Studies

- Recognize the language of films and use it creatively.
- Analyze films from both technical and non-technical perspectives
- Engage questions of social justice and gender justice by critiquing representations of culture.
- Use film as a medium of communication
- Derive an interest in various careers related to film

#### Core Course 14: EN 1644 World Classics

- Understand the study of Classics as a means of discovery and enquiry into the formations of great literary works and how the rich imagery of these classical works continues beyond the twentieth century.
- Recognize the diversity of cultures and the commonalities of human experience reflected in the literature of the world.
- Imbibe a fair knowledge in the various Classical works from different parts of the world, at different time periods, across cultures.
- Examine oneself and one's culture through multiple frames of reference, including the perception of others from around the world.
- Develop an aesthetic sense to appreciate and understand the various literary works with a strong foundation in the World Classics.

#### Elective Course 3: EN 1661.3 Creative Writing

- Create a body of original creative works which exhibit basic elements of literary writing.

- Generate the ability to apply the creative as well as critical approaches to the reading and writing of literary genres.
- Critique and support the creative writing of peers in a guided workshop environment.
- Engage in literary output by identifying, analyzing and expressing socially sensitive and personally abstract themes and ideas.
- Gain expertise in providing critical readings of works of literary expressions.

## **MA English**

### **Programme Outcomes**

- helps the students learn the evolution of literature through different literary periods and features of each of these periods.
- language skills of students are honed by introducing them to structures of language
- enhances critical thinking of students to do research applying literary theories
- Voices from across the world are made familiar to open up new perspectives on cultures and contexts
- to help them understand the relationship between art and life in order to comprehend the social/ emotional/ psychological/cultural value of literary texts
- to provide students with the skills and knowledge necessary to work towards a research degree in any area of their choice and in any place of their preference
- Practical research work is initiated to equip them to take up venture into new areas of research.

### **Programme Specific Outcomes**

- Students will comprehend the evolution of literature as the historical periods that gave rise to it
- Understanding of Linguistic elements will help in correct usage of the language
- Broader perspectives will advance research based on literature
- Students learn to understand cultures besides their own and to appreciate it
- to demonstrate the ability to analyse and explain the complexities and subtleties of human experience



- to be able to relate the socio-politico-historical context to the evolution of the forms, styles, and themes of texts
- to demonstrate the research and language skills necessary to do independent, innovative research
- to show they have understood contemporary pedagogic principles and practices in teaching both language and literature
- to demonstrate an ability to communicate effectively in a variety of language situations

### **Course Outcomes**

#### **Paper I - EL 511: British Literature 1**

##### Course Outcomes

The students would have

CO 1: Comprehended the various socio-political and literary movements from the Anglo-Saxon to the age of Transition.

CO 2: Identified the writers and their works of the period from Anglo-Saxon to the age of Transition.

CO 3: Analysed the characteristic literary styles of the essayists, dramatists, and writers from Anglo-Saxon to the age of Transition.

#### **Paper II: EL.512 : British Literature II**

##### Course Outcome

The students would have

CO 1: comprehended the various socio-political and literary movements from the Romantic Age period to 20th century.

CO 2: identified the writers and their works of the period from Romantic Age period to 20th century.

CO 3: analysed the characteristic literary styles of the essayists, dramatists, and writers from Romantic Age period to 20th century.

#### **Paper III: EL.513: Shakespeare Studies**

##### Course Outcomes

The students would have

CO 1: gained competence to critically analyse the selected plays and sonnets of Shakespeare.

CO 2: gained an understanding of the critical perspectives on Shakespeare.

CO 3: developed an overview of Shakespeare performances and adaptations and their influence on English language and literature through the ages.

#### **Paper IV: EL.514 : Language Studies**

Course Outcomes

The students would have

CO 1: understood the basic concepts, branches and history of linguistics.

CO 2: learned to describe and analyze language units based on their phonological, morphological and syntactical features

CO 3: learned to explain the transformation of sentences based on TG grammar

CO 4: gained competence to use language effectively with a conscious understanding of its features, syntactic structures and uses

#### **Paper V: EL.521 : X World Literatures I**

Course Outcome

The students would have

CO 1: Recognised the various socio-cultural and political experiences and expressions seen in world literatures

CO 2: Learned the theoretical grounding to read literatures in English from different regions

CO 3: Recognised the ways in which transcultural flows affect the readings of texts across social and historical borders

CO 4: Analysed the discursive reach of English in shaping imaginative journeys across continents

CO 5: gained an understanding through reading, discussion and writing about literatures in different genres

#### **Paper VI: EL.522 : Literatures of India**

Course Outcomes

The students would have

CO1: learned to distinguish the theoretical positions that present Indian literature as an essentialist category

CO2: identified the category of ' Literatures of India' in relation to the emerging discourses of nation, marginality, region, and resistance

CO3: learned to interpret the reading of literatures of India in vernacular ways through insightful critical perceptions

CO4: understood the role of translation in the making and unmaking of literary traditions

#### **Paper VII- EL.523 : GENDER STUDIES**

### Course Outcomes

The students would have

CO 1: Interrogated and analyzed gendered performance and power in a range of social spheres.

CO2: analyzed patriarchal socio-political-historic structures and cultural representations and discourses

Co 3: Explored and deepened their gender-related perspectives on gender laws, activism, policy/advocacy.

CO 4: Arrived at critically informed readings of literary texts and cultural practices with an understanding of the politics of gender

Co 5: understood the positioning of intersectional gender identities in the process of development.

### **Paper VIII – Critical Studies I**

#### Course Outcome

The students would have

CO 1: critically analysed literary and cultural texts using the foundational concepts explored in this course.

CO 2: gained the critical acumen to negotiate contested knowledge systems.

CO 3: learned to steer the theoretical paradigms and unsettle disciplinary boundaries.

### **Paper IX – Paper IX: EL.531 : World Literatures II**

#### Course Outcomes

The students would have

CO 1: Recognised the various socio-cultural and political experiences and expressions seen in world literatures

CO 2: Learned the theoretical grounding to read literatures in English from different regions

CO 3: Recognised the ways in which transcultural flows affect the readings of texts across social and historical borders

CO 4: Analysed the discursive reach of English in shaping imaginative journeys across continents

CO 5: gained an understanding through reading, discussion and writing about literatures in different genres by writers who have significantly influenced World Literatures

### **PAPER X: EL.532 : Critical Studies II**

#### Course Outcome

The students would have

CO 1: understood new directions that inform the terrain of contemporary critical theory.

CO 2: attained the reflexivity to engage with theory and critical practices

CO 3: gained critical acumen to pursue interdisciplinary academic interests.

**Paper XI EL 533.4 – Elective Course: American Literature**

Course Outcomes

Upon completion of this course, the students will be able to:

CO 1: Develop an awareness of the socio-political and cultural history of America

123

CO 2: Identify key ideas and characteristic perspectives or attitudes as expressed in American literature

CO 3: Demonstrate knowledge of the contributions of major literary periods, works and persons in American literature and recognize their continuing significance.

CO 4: Reflect the thoughts, beliefs, customs, struggles, and visions of African American writers.

CO 5: Compare/contrast literary works through an analysis of genre, theme, character, and other literary devices

**PAPER XII: EL.534 - Choice 2 EL 534.2 - Elective Course: African and Caribbean Literature**

Course Outcomes:

At the end of this course, students will be able to:

CO 1: appreciate the diversity of literary voices from Africa and the Caribbean and to enable them to read texts in relation to the historical and cultural contexts

CO 2: understand the debates and concepts emerging from the field of African-Caribbean Studies

CO 3: develop the ability to think critically about African Caribbean Diaspora

**PAPER III: Choice 2 EL.535.2– Elective Course: South Asian Literatures**

Course Outcomes

At the end of the course, the students will be able to:

CO 1: demonstrate an analytical awareness of the experiences of immigration and diaspora, and the history of European imperialism as reflected in South Asian literatures

CO 2: identify and differentiate between the distinguishing factors such as culture, class, religion, and other differences amongst South Asians

CO 3: explain critically themes of identity, memory, alienation, assimilation, solidarity, and resistance

**PAPER III: Choice 2 EL.535.2– Elective Course: South Asian Literatures**

Course Outcomes

At the end of the course, the students will be able to:

CO 1: demonstrate an analytical awareness of the experiences of immigration and diaspora, and the history of European imperialism as reflected in South Asian literatures

CO 2: identify and differentiate between the distinguishing factors such as culture,

class, religion, and other differences amongst South Asians

CO 3: explain critically themes of identity, memory, alienation, assimilation, solidarity, and resistance

**Paper XIV: EL.541 : Kerala Culture and Literature**

Course Outcome

The student would have

CO1: Understood the socio-cultural specificities and nuances that shaped Kerala

CO2: Understood the inherent ironies and contradictions within Kerala and imbibe a sense of everyday critique

CO3: Learned from lived everyday experiences

CO4: Developed a sense of creative and critical thinking

CO5: Understood the socio-cultural plurality that defines Kerala through divergent historical/cultural formations.

**Paper XV: EL.542 : English Language Teaching: Theory and Practice**

Course Outcomes

The students would have:

CO 1: acquired knowledge of the evolution of ELT as a discipline, especially in India.

CO 2: gained knowledge of the theoretical frameworks that inform ELT practices.

CO 3: learned to assess critically the implications of the various approaches, methods and techniques.

CO 4: developed the ability to critically evaluate syllabi, teaching materials and evaluation procedures.

**Paper XVI : EL.543 : Cultural Studies**

Course Outcomes

The students would have

CO 1: developed a thorough understanding of the origin and evolution of Cultural Studies, major theorists and their contributions

CO 2: Gained sufficient knowledge about methodology and praxis of cultural studies

101

CO 3: Gained competence to analyse and evaluate cultural texts and practices critically

**PAPER XVII: Choice 4 EL.544.4 – Elective Course: Dalit Writing**

Course Outcome

At the end of the course, students will be able to:

CO 1: come into contact with key modern Dalit writers and thinkers and their varied concepts

CO 2: enhance their understanding of the issues at stake in the contemporary Dalit movement

CO 3: evolve an in-depth grasp of the field at the levels of experience as well as concept

CO 4: extend their awareness of the social and aesthetic questions being raised in the writing

## PROGRAMME OUTCOMES OF BA ECONOMICS

PO1 **Analytical Skills:** Acquire the ability to articulate and conceptualize or to solve problems by making decisions and use the critical thinking to evaluate every issue in the current social scenario.

PO2 **Cross cutting Issues:** Acquire the ability to have sufficient disciplinary knowledge, to engage in public discussions on related issues, be able to continue to learn outside school; and have the skills to enter careers of choice.

PO3 **Social Interaction:** Elicit views of others, mediate disagreements and help reach conclusions in group settings.

PO4 **Effective Citizenship:** Demonstrate empathetic social concern and equity centered national development, and the ability to act with an informed awareness of issues and participate in civic life through volunteering.

PO5 **Environment and Sustainability:** Understand the issues of environmental contexts and sustainable development.

PO6 **Self-directed and Life-long Learning:** Acquire the ability to engage in independent and life-long learning in the broadest context socio technological changes

## COURSE OUTCOME OF FIRST DEGREE PROGRAMME IN ECONOMICS

### Semester: I

Core I: - Methodology and Perspectives Of Social Science (Ec 1141) Credits: 4 CO1 Identify the distinction between Science & Social Science.

CO2 Describe various Social Science Disciplines.

CO3 Describe the methodology of economics.

CO4 Explain the development of Economic Thought.

CO5 Describe the research process.

CO6 Identify the scope of ICT in research

### Semester: II

Core II: - Micro Economics I (Ec 1241) Credits: 4

CO1 Describe the scope of Microeconomics

CO2 Distinguish between Micro Economics & Macroeconomics.

CO3 Explain the concept of demand including its determinants, types and law of demand. CO4 Describe the concept of elasticity of demand.

CO5 Explain the cardinal and ordinal approach to Utility analysis.

CO6 Explain the different cost concepts.

### Semester: III

#### Core III: - Microeconomics II (Ec 1341) Credits: 4

CO1 Identify the market structures

CO2 Distinguish perfect competition and monopolistic competition.

CO3 Explain marginal productivity theory.

CO4 Distinguish Ricardian and Modern theory of rent

CO5 Understand theories of interest and theories of profit

CO6 Explain Pareto optimality criterion.

CO7 Note down linear programming.

### Semester: IV

#### Core IV: - Basic Tools For Economics I (Ec 1441) Credits: 4

CO1 Understand the role of mathematics

CO2 Distinguish various equations

CO3 Explain the meaning of Differential Calculus

CO4 Understand optimization

CO5 To know about the economic applications of Integral calculus

CO6 Explain matrix

CO7 Understand Cramm's Rule

#### Core V: - Macro Economics I (Ec 1442) Credits: 3

CO1 To understand the basic concept of Macro Economics

CO2 To familiarize the basic concepts of Macro Economics

CO3 To understand the methods of National income Accounting

CO4 To study the difficulties in National Income Accounting

CO5 To make awareness about the Classical macro Economic System CO6 To make awareness about Keynesian macro Economic System

### Semester: V

#### Core VI: - Money And Modern Banking (Ec 1541) Credits: 4

CO1 To enable the students to know about the role of money in the economy CO2 To understand the main functions of money

CO3 To familiarize the main functions of commercial bank

CO4 To know about the different types of accounts

CO5 To make awareness about modern banking system

CO6 To understand the innovative functions of bank like telephone banking, internet banking and mobile banking

CO7 To know about the Reserve Bank of India

#### **Core VII: - Macro Economics II (Ec 1542) Credits: 4**

CO1 Understand the components of Aggregate Demand in the Keynesian system CO2 Explain consumption function

CO3 Distinguish Gross and Net investment

CO4 Identify Friedman's Restatement of the Quantity theory

CO5 Explain real balance effect

CO6 Identify macroeconomic policy

CO7 Explain Philip's curve

#### **Semester: V**

**Core VIII: - Economics Of Growth And Development (EC 1543) Credits: 2** CO1 Distinguish between Economic growth and Development CO2 Describe the tools for measuring development

CO3 Describes the approaches to development

CO4 Evaluate the theories of economic growth

CO5 Describe the issues and challenges of development

CO6 Identify the theories of development useful for Indian Economy **Core IX: - Indian Economy (EC1544) Credits: 4**

CO1 Understand demographic features

CO2 Explain economic development strategy since Independence CO3 Note down the critical assessment of Economic Reforms CO4 Distinguish land reforms and green revolution

CO5 Explain WTO and Indian agriculture

CO6 Understand economic planning and development issues CO7 Identify poverty alleviation schemes

#### **Core X: - Public Economics (EC 1545) Credits: 4**

CO1 Evaluate the scope of Public Finance

CO2 Identify the significance of government and its functions CO3 Identify the economic impact of



government finance CO4 Describe the budgetary process in India

CO5 Identify the tax structure in India

CO6 Evaluate the concept of fiscal federalism

**Open I: - Human Resource Management (EC 1551) Credits: 2** CO1 Describe the nature and scope of HRM

CO2 Identify the trend of working age population in India CO3 Describe the methods of recruitment

CO4 Evaluate the collective bargaining in India

CO5 Write down the needs and benefits of training

CO6 Describe the concept of Human capital

## **Semester: VI**

### **Core XI: - Kerala Economy (EC 1641) Credits: 4**

CO1 To understand the structural change in the Kerala Economy

CO2 To analyse the basic features of Kerala Economy

CO3 To understand the basic demographic features

CO4 To determine the role and importance of Education Health and Tourism and IT sector in India

CO5 To know about the emerging trends and issues in Kerala Economy

CO6 To classify the contribution to GSDP (Gross State Domestic Product) CO7 To understand about various types of planning

### **Core XII: - Financial Economics (EC1642) Credits: 4**

CO1 Describe the structure and functions of financial system

CO2 Identify the features and submarkets of Indian Money Market

CO3 Identify the features of capital market in India

CO4 Identify the organization and management of Indian Stock market

CO5 Describe the working of secondary market in India

CO6 Identify the role of finance in the operation of an economy

### **Core XII: - Basic Tools For Economics II (EC 1643) Credits: 4**

CO1 Distinguish correlation and regression

CO2 Explain the construction of Index numbers

CO3 Identify the problems in the construction of index numbers

CO4 Describe set theory

CO5 Explain the approaches to the definition of probability

CO6 Describe random variable

CO7 Explain Binomial and Normal distribution

### **Semester: VI**

#### **Core XIV: -International Economics (EC 1644) Credits: 3**

CO1 To understand the basic concepts and theories of international trade CO2 Distinguish mercantilism and physiocrats

CO3 Explain offer curve.

CO4 Identify balance of payments

CO5 Explain absorption approach

CO6 Describe exchange rate determination

CO7 Explain IMF and international liquidity management CO8 Distinguish free trade and protection

#### **Open II: - Agricultural Economics (EC 1661.1) Credits: 2**

CO1 Describe the nature and scope of Agricultural Economics CO2 Explain the role of agriculture in economic development CO3 Explain various models of agricultural development

CO4 Identify the sources and features of agricultural credit CO5 Explain agricultural marketing in India

CO6 Identify the objectives of Agricultural Price Policy.

### **COMPLEMENTARY**

#### **Semester: I**

#### **Complementary I: - Foundations of Economic Theory (EC 1131) Credits: 2**

CO1 To understand the basic economics

CO2 To make awareness about the basic economic problems CO3 Differentiate between Micro Economics and Macro Economics. CO4 To make awareness about the significance of the study of Economics CO5 To understand how Demand and Supply affect the market economy CO6 To study about various types of costs and revenues

CO7 To understand the different types of markets

#### **Semester: II**

#### **Complementary II: - Money And Banking (EC.1231) Credits: 2**

CO1 To understand the concepts of money

CO2 To study the main functions of money

CO3 To know about different types of indices

CO4 To understand about the construction of index numbers and its limitations CO5 To study about the functions of commercial banks

CO6 To give an idea about Indian Banking system

CO7 To study about the main functions of Reserve Bank of India

### Semester: III

#### Complementary III: - Public Finance and Trade (EC1331) Credits: 3

CO1 To inculcate the students about the significance of Public finance

CO2 To understand about the Taxable and non-taxable sources of income in India CO3 To study the different types of taxation

CO4 To know about the Indian tax system

CO5 To understand the reasons for the growth of public expenditure in India CO6 To understand about India's public Debt.

CO7 To study about India and International Trade

### Semester: VI

#### Complementary VI: - Indian Economy Since Independence (EC 1431) Credits: 3

CO1 To provide basic understanding of the features of Indian Economy

CO2 To understand the concept of poverty and poverty line

CO3 To make awareness about Human development index

CO4 To familiarize the student about the various concepts of National Income CO5 To create an idea about the significance of Agriculture in Indian Economy CO6 To understand the importance of small scale industries and its problems CO7 To make awareness about the significance of Industry and service sector in Indian Economy

### **PROGRAMME OUTCOMES OF BA HISTORY**

PO1 **Narrative skill:** Demonstrate knowledge of the chronology, major events, personalities and turning points of the history and to learn the basic narrative structure of historians in writing in order to understand the value of diversity.

PO2 **Critical reading:** Distinguish primary and secondary sources, understand and evaluate historical ideas, arguments, interpretations and multiple narratives of the past.

PO3 **Comparison:** To compare and contrast different processes, modes of thought and expression

from different historical time periods and in different geographical area.

**PO4 Research and evidence:** Gather and assess primary and secondary sources and to demonstrate ethical use of sources and provide accurate and properly formatted citations in research papers. Students will demonstrate the research skills required for methodology and historiography to explore various topics and themes, including social, economic, cultural, political, and technological history.

**PO5 Oral and written communication skills:** Students will demonstrate proficiency in oral and written communication skills.

**PO6 Analysis:** Learn to evaluate and draw information from the narratives of past events that participants and observers produced and to recognize differences in the methods and techniques of historians and learn how to compare and critique them.

**PO7 Knowledge:** Gain familiarity with a range of historical subjects that span distinct eras, recognize how different individuals, groups, organizations, societies, cultures, countries, and nations have interacted in the past and how those interactions have affected history, gain familiarity with the aims and achievements of different schools of historical thought, practice, and analysis, develop an appreciation of themselves and of others through the study the past in local, regional, national, and global contexts.

## **COURSE OUTCOME OF FIRST DEGREE PROGRAMME IN HISTORY**

### **Semester I**

#### **Core I HY 1141 Methodology and Perspectives of Social Sciences Credit 4**

CO1 Identify the main concerns of Social Science disciplines

CO2 Articulate the basic terminologies and theories prevalent in concerned disciplines CO3

Critically read popular and periodical literature from a Social Science perspective CO4 Describe methodologies, theories, and concepts, currently in use within the historical discipline CO5 Identify history as a scientific discipline

CO6 Analyze the ideologies of Subaltern historians

CO7 To know about the uses of statistics in social science research

CO8 Critically evaluate the problems of objectivity in social science

#### **Complementary HY 1131.1 History of Modern India (1857-1900) Credit 2**

CO1 Discuss the various interpretations regarding the nature of the revolt of 1857 CO2 Evaluate the socio-religious reform movements of the 19th century

CO3 Factors responsible for the growth of nationalism in India

CO4 Examine the strategies adopted by the moderate nationalist to achieve their aims CO5 Discuss the formation of Indian National Congress

CO6 Outline the Programmes and policies of INC

## **Semester II**

### **Core II HY 1241 Cultural Formation of the Pre-Modern World Credit 4**

CO1 Classify nature of pre historic societies

CO2 Identify Paleolithic and Neolithic settlements

CO3 Demonstrate the idea that humankind as a whole has a history to be investigated and that a world history course may be more than study of various “cultures,” each disconnected from the others.

CO4 Bring out the progress of democracy

CO5 Analyze the cause for the rise and growth of civilizations

CO6 Identify the causes and results of crusades

CO7 Trace out the achievements of Ancient Egyptians

CO8 Account on the causes for the decline of feudalism in Europe

### **Complementary II HY 1231.3 History of Modern India (1901-1920) Credit 3**

CO1 Discuss the causes for the growth of extremism in Indian national movement CO2 Assess the significance of boycott and swadeshi movements

CO3 Examine the international factors that influenced Indian awakening CO4 Discuss the ideologies of satyagraha movements

CO5 Formation of Muslim League

CO6 Discuss the role of Hindustan Socialist Republican Association in the struggle for freedom

## **Semester III**

### **Foundation course II HY 1321 Informatics Credit 3**

CO1 Acquiring basic knowledge of the contribution of Information technology to history CO2 Classify digital resources for learning and research in history

CO3 Discuss briefly a computer network and its various applications

CO4 Analyze the various social issues associated with information technology CO5 Explain the importance of search engines in academics

CO6 Discuss the issues and concerns in IT and society

### **Core III HY 1341 Evolution of Early Indian Society and Culture Credit 4**

CO1 Analyze the salient Features of Prehistoric and Proto Historic Cultures in India

CO2 Trace the evolution of India Culture with special reference to the society and polity of Ancient period

CO3 Familiarize the students with the heritage of India

CO4 Write in detail about state, society and economy during the Mughal period CO5 What were the features of second urbanization?

CO6 Describe the administrative system of the Mauryas

CO7 Whether the Gupta period was a golden age

CO8 Illustrate how the Bhakti movement of 14th century helps in promoting the unity of all religions

### **Complementary II HY 1331.5 History of Modern India (1921-1947) Credit 3**

CO1 Examine the significance of non co-operation movement

CO2 Discuss the emergence of leftist ideas in Indian national movement CO3 Illustrate the major features of Indian constitution

CO4 Explain the revolutionary movements after 1922

CO5 Point out the salient features of Government of India Act, 1935 CO6 Formation of INA

### **Semester IV**

### **Core IV HY1441 Selected Themes and Issues in the Socio- Cultural Processes Credit 4**

CO1 Highlight the Social Cultural and Administrative Features of Medieval Period CO2

Understanding of Delhi Sultanate

CO3 Analyze the features of administration, art, and architecture of Mughal period CO4 Identify cultural synthesis

CO5 Explain the development of vernacular languages in Medieval India CO6 Important sufi centre's of Medieval India

CO7 Role of slaves in Sultanate polity

CO8 Describe briefly the life of nobility in Medieval India

### **Core V HY1442 History Modern World – Part 1 Credit 3**

CO1 Analyze the Socio- Cultural and Administrative Features of Medieval Period CO2 Describe the process of socio-cultural specialties

CO3 Analyze the dynastic history of this period

CO4 Point out the significance of the Declaration of independence

CO5 Trace the growth of Reformation and its effect on Catholic religion CO6 Critically examine the role of UNO in combating terrorism and nuclear armament [Complementary II HY 1431.7](#)

### [History of Contemporary India \(After 1948\) Credit 3](#)

CO1 Explain the role of Sardar Vallabhai Patel in the integration of princely states CO2 Examine the impact of information technology in contemporary Indian society CO3 Describe the main features of Indian constitution

CO4 Briefly sketch the impact of globalization on Indian economy

CO5 Examine the impact of green revolution on Indian economy

CO6 Analyze the new economic policy

### [Semester V](#)

#### [Core VI HY1541 Major Trends in Historical thoughts and writings Credit 4](#)

CO1 Incorporate the relevance of historiography along with the theory CO2 Evaluate the works in the light of new theories and concepts

CO3 Examine the importance of objectivity in history

CO4 Narrate the features of Greco-Roman historiography

CO5 How historical materialism affected a paradigm shift in historical studies CO6 Discuss the recent trends in historiography

CO7 Contributions of St. Augustine

CO8 Examine the influence of Descartes on modern historiography

[Core VII HY1542 Colonialism and Resistance movements in India Credit 4](#) CO1 Evaluate consolidation of English Power in India

CO2 Analyze the emergence of socio-religious consciousness in India CO3 Examine the nature of tribal revolts in India

CO4 Describe the after effects of British domination

CO5 Examine the various interpretations on the nature of the revolt of 1857

CO6 Account on the role played by various socio-religious movements of the 19th century towards the social awakening in India

CO7 Analyze the features of land revenue policies introduced by the British in India CO8 Role of

Christian missionaries in the development of education in India

**Core VIII HY1543 History of Modern World – Part II Credit 2** CO1 Describe rise of modern

world

CO2 Analyze the factors responsible for the growth of capitalism

CO3 Examine the role of Democracy

CO4 Examine the role of Mustapha Kamal Pasha as reformer

CO5 Assess the role of Count Cavour in the unification of Italy

CO6 Trace the growth of Nazism in Germany

CO7 Synthesize the development of 20th century world

**Core IX HY1544 History of Pre- Modern Kerala Credit 4**

CO1 Identify geographical features of Kerala

CO2 Examine the significance and salient features of megalithic culture of Kerala CO3 Analyze early human settlements –Paleolithic and Neolithic

CO4 Describe Polity and society of Perumal Era

CO5 Discuss the contributions of Elamkulam Kunjan Pillai to Kerala historiography CO6 Examine the rise and growth of nadus and swaroopams in Kerala

CO7 Discuss the various art forms of Kerala

CO8 Highlights the advent of Europeans

**Core X HY1545 Making of Indian Nation Credit 2**

CO1 Describe the characteristics of Indian nationalism

CO2 Analyze the nature of the diverse social movements of the time

CO3 Compare the ideals of different political groups and individuals

CO4 Illustrate the importance of Quit India movement

CO5 Explain the integration process of Indian states

CO6 Examine the major developments in Post- Gandhian Era

**Open course HY1551.3 History of Human Rights Movement Credit 2** CO1 Define human rights

CO2 Point out some examples on the violation of basic human rights

CO3 What is the role of civil society in protecting human rights?

CO4 Discuss the various movements fought against human rights violation CO5 Explain the role of UNO in protecting human rights



CO6 Discuss the various constitutional laws enacted in India for the protection of human rights

## Semester VI

### Core XI HY1641 Making of Modern Kerala Credit 4

CO1 Describe Early Resistance against British East India Company

CO2 Examine the nature of Scio- religious movement of Kerala

CO3 Analyze the Political and cultural activities of Kerala

CO4 Give an account of the memorials and the struggles for civil rights in Travancore CO5

Educational Reforms of Joseph Mundassery

CO6 Illustrate the factors led to the formation of Aikya Kerala

CO7 Account on the nature of coalition experiments in Kerala

CO8 First Communist Ministry of Kerala

### Core XII HY 1642 Major trends in Indian Historical thought & writings Credit 4 CO1

Analyze the origin and development of historical writings in India

CO2 Locate major historical works in Indian history

CO3 Describe the influence of ideas and theories in historiography

CO4 Examine the major trends and concepts in Indian historical writings.

CO5 Account on the characteristic features of historical writing during the Mughal period CO6

Elucidate the contributions of Max Muller to the understanding of Ancient Indian history CO7

Account on the contributions of Zia-ud-din Barani to the study of Medieval Indian history CO8

Account on how James Mill periodised Indian history

### Core XIII HY1643 Contemporary India Credit 4

CO1 Provide a graphic account of the circumstances that led to the formation of India Union

CO2 Illustrate the challenges faced by independent India and the bold measures initiated after independence

CO3 Assess the role of Five Year plans in the economic development of India CO4 Critically examine the foreign policy of India during the Nehruvian Era

CO5 Evaluate the achievements of contemporary India with special reference to Science Information Technology

CO6 Account on the strategies of Green revolution and its impact on Indian agriculture CO7

Comment on the environmental movements in India against deforestation CO8 Role of Sardar

Vallbhai Patel in the integration of princely states to Indian Union Core XIV HY1644 Twentieth

### Century Revolutions Credit 3

CO1 Describe the students four major revolutions of the 20th century, i.e. Russian, Chinese, Vietnamese and Cuban

CO2 Analyze the legacy of these revolutions

CO3 Estimate the scope and significance of the revolutions in the present context

CO4 Critically analyze the new economic policy of Lenin

CO5 Evaluate the status of China in the era of globalization CO6 Examine the circumstances that led to the Vietnam War

**Elective HY1651.6 History of Human Rights Movement Credit 2** CO1 Analyze the various type of human rights violations in the present world

CO2 Examine the works of Wangari Muta Maathai

CO3 Critically analyze the works of Desmon Tutu as a human rights activist CO4 Describe the women movements in India

CO5 Dalit movements in India

CO6 Role of Mahatma Gandhi in the human rights movements of South Africa

**HY1645 Project/Dissertation Credit 4**

CO1 To know about the techniques and methods of writing projects in History CO2 Selection of topic

CO3 Identification and collection of data

CO4 Analysis of datas

CO5 Preparation of hypothesis

CO6 Importance of citations, glossary, list of abbreviations and appendices CO7 Evaluate the importance of bibliography

CO8 Presentation of findings and drafting the project

## **COURSE OUTCOME OF FIRST DEGREE PROGRAMME IN POLITICS**

### **SEMESTER -1**

#### **Introduction to Political Science PS – 1131 Credits: 2**

CO1 classify the major principles of political science

CO 2 Identify about traditional and modern meaning of political Science

CO3 Classify major concepts of political science and its principles

CO4 Identify various approaches in political science

CO5 Describe the relationship between man and society

CO6 Write down the interdisciplinary study of political science

## **SEMESTER -2**

### **Indian Government and Politics P S -1231 Credits: 3**

CO1 Classify various forms of Government with classification

CO2 Describe the fundamental Rights and fundamental duties

CO3 Write down the various principles of Indian constitution using examples of borrowed principles

CO 4 Familiarize the various organs of Government with examples from various countries

CO 5 Identify the role of various political parties in democratic system and its role in Indian Democracy.

## **SEMESTER - 3**

### **Public Administrations P S – 1331 Credits: 3**

CO1 To equip the students with some theoretical understanding about public administration

CO2 Identify organization, personnel administration and financial administration CO3 Write down the various principles of organization and management in the Indian Administration

CO4 Familiarize the development Administration and role of District Collector

CO5 Financial administration and budgetary process in India

## **Semester - 4**

### **International Politics P S -1431 Credits : 3**

CO1 Classify the major principles of political science

CO2 Identify about meaning and scope of International politics

CO3 Classify major concepts of International political science & its challenges

CO4 Write down various approaches in International politics

CO5 Describe global issues in world scenario

CO6 Write down the classification of international and regional organizations.

## **COURSE OUTCOME OF FIRST DEGREE HINDI LITERATURE FOR BA/ BSC (ADDL LANGUAGE)**

### **Semester I**

**HN1111.1 : PROSE AND GRAMMER CREDIT:3** CO1: Explain parts of speech and grammatical gender of nouns. CO2: Evaluate the cultural aspect of India on the basis of holy aur Onam. CO3: Describe the different aspects

of tense and its uses.

CO4: Analyse the life and literature of Suryakanth TripattiNirala.

CO5: Explain Noun and its different forms.

CO6: Evaluate the different forms of prose.

## **Semester II:**

### **HN1211.1:FICTION,CREATIVE WRITING AND COMMUNICATION SKILL** **CREDIT : 3**

CO1: Evaluate the story of Premchand.

CO2: Analyse the novel ABCD of RaveendraKaliya.

CO3: Explain the socio cultural aspect of migrant society.

CO4: Describe the struggles of dalit community as depicted by Yashpal.

CO5: Describe the parameters used for analyzing poetry.

CO6: Describe the various types of prose writing.

## **Semester III:**

### **HN1311.1:DRAMA ,ONE ACT PLAY AND TRANSLATION** CO1:

Explain the life of an actor by analyzing the drama KaalKotari. CO2: Evaluate

Reed kihaddi and explain the feministic elements present in it. CO3: Explain the importance of translation in different areas.

CO4: Describe the process of translation.

CO5: Evaluate the different types of translation.

CO6: Write the principles of drama and evaluate Kaal Kotari.

## **Semester IV:**

### **HN1411.1 : POETRY, LONG POEMS AND CULTURE**

CO1: Explain the principles of poetry and evaluate Pralay Ki Chaaya.

CO2: Evaluate the poets of different eras of Hindi Literature.

CO3: Evaluate the socio – political – economical conditions of Indian society in different eras.

CO4: Evaluate the socio – political aspects of Rajasthan in ParvaadParv.

CO5: Explain the contribution of Raja Ram Mohan Roy, Swami Vivekanand, B R Ambedkar and Mahatma Gandhi.

CO6: Explain the different aspects of Kerala Culture.

## **COURSE OUTCOME OF FIRST DEGREE HINDI LITERATURE FOR BA/ BSC (ADDL LANGUAGE)**

### **Semester I**

#### **HN111.2 : PROSE,COMMERCIALHINDI AND LETTER WRITING** **CREDIT:4**

- CO1: Explain the adverse effect of advertisement.
- CO2: Evaluate the writings of Premchand on the basis of Kafan.
- CO3: Explain the different parts of a letter.
- CO4: Describe the different types of letters and state its uses.
- CO5: Explain the characteristics of Commercial Letter Writing.
- CO6: Evaluate Ramachandra Shukla's prose writing.

### **Semester II**

#### **HN1212.2:POETRY,TRANSLATION,TECHNICALTERMINOLOGY AND COMMUNICATION**

#### **CREDIT : 4**

- CO1: Describe the characteristics of Writings of Kabeerdaas and Soordaas.
- CO2: Evaluate the Chayyavaadhi Poets of Hindi Literature.
- CO3: Describe Electronic Media.
- CO4: Explain the process of mass media.
- CO5: Describe Mass media technology.
- CO6: Explain the process of translation.

## **COURSE OUTCOME OF FIRST DEGREE MALAYALAM LITERATURE FOR BA/ BSC (ADDL LANGUAGE)**

### **Semester I**

#### **ML1111.1 മലയാള കവിത**

- CO:1 മലയാള കവിതാ ചരിത്രം വിശദീകരിക്കുക
- CO:2 ത്രാചീന കവിതയം , അവരുടെ കൃതികൾ , സമാനതകൾ കാലഘട്ടം എന്നിവ വിശകലനം ചെയ്യുക
- CO:3 കാവയാ ത്രസമാനങ്ങൾ, കിളിപ്പാട്ട് എന്നിവ വിവരിക്കുക

CO: 4 ആധുനിക കവിതയും, കൃതികൾ എന്നിവ വിശകലനം ചെയ്യുക CO: 5 കാലാനുസൃത

രൂപമാനത്തിന്റെ വളർച്ച അരത്രമിടുക

CO:6 മലയാള കവിതയിലെ ഐതിഹ്യം വയലാർ, ഓ എൻ വി സുരതകുമാരി ഇങ്ങനെയവരുടെ കവിതകളെ അടിസ്ഥാനമാക്കി വിവരിക്കുക

## Semester II

### ML1211.1 ഗദ്യസാഹിത്യം

CO:1 മലയാള രചനാസാഹിത്യത്തിന്റെ വിവിധ മാതൃകകൾ വിശകലനം ചെയ്യുക CO: 2 രചനാസാഹിത്യകൃതികളുടെ

സൗന്ദര്യമാർഗ്ഗമായ സവിശേഷതകൾ വിവരിക്കുക CO: 3 ചൈതന്യം, ഉന്നതയാസം എന്നീ ഭിന്നരൂപങ്ങളുടെ ആശയതലങ്ങൾ

അരത്രമിടുക CO: 4 ചൈതന്യ സാഹിത്യ ചരിത്രം ത്രിരാദിക്കുക

CO:5 ശബ്ദത്തിൽ ചരിത്രം വിശദമാക്കുക.

CO:6 ഭജിത് സാഹിത്യ ചരിത്രം വിശദീകരിക്കുക.

## Semester III

### ML1311.1 ദൃശ്യകലാസാഹിത്യം

CO:1 ദൃശ്യകലകൾക്കു ആധാരമായ സാഹിത്യരചനകൾ അരത്രമിടുക

CO: 2 കഥകളി എന്ന കലാരൂപത്തിന്റെ ഉത്ഭവം , ചരിത്രം, ശബ്ദം, വാദ്യം, ചെപ്പ് എന്നിവ വിശകലനം ചെയ്യുക

CO: 3 തുള്ളൽ രൂപമാനത്തിന്റെ ഉത്ഭവം, ചരിത്രം, എന്നിവ വിശദീകരിക്കുക

CO: 4 തിരക്കഥ സാഹിത്യരൂപം എന്ന നിലയിൽ മലയാളത്തിലെ ത്സശേഷമായ തിരക്കഥകൾ നിരൂപണം നെത്തുക

CO:5 നൊക്കം, സിനിമ എന്നിവ താരതമ്യം ചെയ്യുക

CO:6 മലയാള നൊക്ക രൂപമാനത്തിലെ ആദ്യകാല വിവർത്തന നൊക്കങ്ങൾ സംസ്കൃത നൊക്കങ്ങൾ സംരീത നൊക്കങ്ങൾ രാത്രിയ നൊക്കങ്ങൾ എന്നിവ വിശകലനം ചെയ്യുക

## Semester IV

### ML14111.1 വിനിമയം സർഗ്ഗാത്മകരചന ഭാഷാവബ്ധ ായം CO:1

വിനിമയശാധനകളായ മായമങ്ങളെ വിശകലനം ചെയ്യുക CO: 2 മായമങ്ങളുടെ അനന്ത

സോയതകൾ ചിത്രീകരിക്കുക

CO: 3 നവീന മായമങ്ങളെ വിലയിരുത്തുക

CO: 4 ഭരണഭാഷ ജനകീയ ഭാഷ ആശകങ്ങളിന്റെ ആവശ്യകത ത്രിരാദിക്കുക CO:5 സാംസ്കാരിക വിനിമയത്തിൽ

വിവർത്തനത്തിന്റെ ത്രാധാനം വിശദമാക്കുക

CO:6 ആധുനിക സാഹിത്യക വിദഗ്ദ്ധരുടെ വളർച്ചയിലൂടെ സമൂഹത്തിനു കൈവന്ന സംസാരിക്കാനുമാകുന്നതിനെക്കുറിച്ച് ത്രിരാദിക്കുക

## **COURSE OUTCOME OF FIRST DEGREE MALAYALAM LITERATURE**

## FOR BCOM (ADDL LANGUAGE)

### Semester I

#### ML1111.2 ബനാവൽ നാടകം സഞ്ചാരസാഹിത്യം

CO:1 മലയാള ശനാവൽ ത്രാഢംഭരങ്ങൾ ആദയകാല എഴുത്തുകാർ എന്നിവ വിശദീകരിക്കുക

CO: 2 ശനാവൽ വികാസഘട്ടങ്ങൾ വിശകലന ചെയ്യുക

CO: 3 നൊക സാഹിത്യചരിതം. കൃതികൾ, സാഹിത്യകാരന്മാർ എന്നിവ അരത്രഥിക്കുക CO: 4 മലയാളത്തിലെ ആദയകാല

സഞ്ചാരകൃതികളെക്കുറിച്ച് ത്രതിരാദിക്കുക CO:5 സഞ്ചാരസാഹിത്യ ചരിതം അവശലാകനം ചെയ്യുക

CO:6 സഞ്ചാര അനഭവം സർഗ്ഗാത്മകമാക്കിയ എഴുത്തുകാടരയും കൃതികളെയും വിവരിക്കുക

### Semester II

#### ML1211.2 കവിത കഥ ഉപനയാസം വിവർത്തനം

CO:1 മലയാള കവിതചരിതം വിവരിക്കുക

CO: 2 മലയാള കവിതയിലെ െിയലിസം വിശദീകരിക്കുക

CO: 3 ട്വെകഥാത്രസഥാനം അരത്രഥിക്കുക

CO: 4 ട്വെകഥ ഉരനയാസം എന്നിവയുടെ ആശയ തലങ്ങൾ വിശകലനം ചെയ്യുക CO:5 സാഹിത്യ കൃതികളിലെ

സൗന്ദരയാത്മക സവിശശ്വതകൾ തിരിച്ചെയ്യുക CO:6 വിവർത്തനം വിനിമയം എന്നിവ താരതമയം ചെയ്യുക'

## PROGRAMME OUTCOMES OF BCOM WITH COMPUTER APPLICATIONS

PO1 To build a strong foundation of knowledge in different areas of commerce. PO2 To integrate knowledge, skill and attitude that will sustain an environment of learning and creativity among the students.

PO3 To expose student about entrepreneurship.

PO4 To develop numerical abilities of students.

PO5 To develop language abilities of students.

PO6 To develop an ability to effectively communicate both orally and verbally

## COURSE OUTCOME OF FIRST DEGREE PROGRAMME IN COMMERCE WITH COMPUTER APPLICATION

### Semester 1

#### Foundation Course I: Co 1121 – Environmental Studies Credits: 2

CO-I Explain key concepts from environment studies, regarding the scope and importance of environmental studies.

CO-II Describe ecosystem, Food Chains, Food web

CO-III Explain environmental Pollutions – air pollution, water pollution, thermal pollution. Also they get an idea about the causes and effects of solid waste, and re-use and re cycling methods of

solid waste management.

CO-IV Identify the social issues of the environment.

CO-V Elaborating about human health, human rights, value education and Women and child welfare.

CO-VI Explain the need and importance of environmental protection

**Core Course I: Co 1141 - Methodology And Perspectives Of Business Education** CO-I Explain the concept of Economic systems.

CO-II Explain the role of Business in economic development, company, industry and economy.

CO-III Critically analyse sources of funds.

CO-IV Explain the role of human resources management problems in small, medium and large organizations.

CO-V Explain methods and techniques of collecting and learning business information. CO-VI Differentiate between capitalism, socialism, communalism.

**Core Course II: CO 1142 - Functional Application of Management Credits: 3** Co I Explain evolution of management thoughts

CO II Explain the concept of finance.

COIII Explain sources of finance- short term and long term.

CO –IV Describe production function in an organization.

CO-V Explain the concept of Marketing and selling, Marketing mix, Product, price, place and promotion.

CO –VI Explain recruitment process and stages in selection.

**Complementary Course I: Co 1131 – Managerial Economics Credits: 3** CO - I Explain scope of managerial economics aspects.

CO– II Explain the law of demand.

CO – III Explain the laws of production.

CO-IV State the methods of pricing.

CO – V Explain the major phases of a business cycle.

CO-VI Describe the methods of demand forecasting.

## **Semester - II**

**Foundation Course II: CO 1221-INFORMATICS AND CYBER LAWS Credits: 3** CO-I Explain informatics.

CO-II Explain the key concepts like Computer networks & Internet, wireless technology, cellular wireless networks, guarantee, and warranty.

CO-III Describe the Internet access methods.

CO-IV Explain the major IT applications.



CO-V Explain Cyber space, cyber ethics, cyber addictions, and cybercrimes. CO-VI Explain cyber laws, IT Act 2000, cyber related Provisions under IPC.

**Core Course III: Co 1241 - Business Communication And Office Management Credits: 3**

CO-I Explain steps in preparation of resume.

CO-II State principles of effective communication.

CO-III Differentiate intra personal and inter personal communication. CO-IV Emphasise on importance of electronic media in communication. CO-V Explain role of Office Manager.

CO-VI Explain the steps in Record Keeping.

**Core Course IV: Co 1242 - Financial Accounting No. of credits: 3**

CO-I Explain the Generally Accepted Accounting Principles.

CO-II Explain the Fixed and reducing balance with adjustments

CO-III Explain the procedure in the preparation of Depreciation Account. CO-IV Differentiate Sectional and Self Balancing System.

CO-V Differentiate Hire Purchase and Instalment purchase system. CO-VI Explain accounting treatment of voyage accounts.

**Complementary Course II: Co 1231 - Business Regulatory Framework Credits: 3** CO-I

Explain contract and explain the various types of contracts. CO-II Explain capacity of parties.

CO-III Explain the concept of sale of goods .

CO-IV Describe the difference between bailment and pledge.

CO-V List kinds of agents.

CO-VI Explain the duties and responsibilities of Regulatory Authorities. **Semester – III**

**Core Course V: Co 1341- Entrepreneurship Development Credits: 3**

CO-I Classify different types of entrepreneurs.

CO-II Describe and summarize the latest programs of the government authorities in promoting small and medium industries.

CO-III Explain the Entrepreneurship Development Programmes.

CO-IV Explain project feasibility.

CO-V Explain and classify industrial estates.

CO- VI Explain and list feature of a good report.

**Core Course VI Co 1342: Company Administration credits : 3**

CO-I Describe and classify types of Companies

CO-II Explain the Management and Administration of companies.

CO-III Explain company's Disclosure and Transparency

CO-IV Describe the Compliances, Governance and CSR with respect to companies CO-V Explain

Winding up, Winding Up by National Company Law CO-VI Explain Responsibilities and

Challenges of Company Secretary **Core Course VII: Co 1343 - Advanced Financial Accounting credits : 4**

CO-I Explain the major steps in preparation of Realisation Account. CO-II Differentiate between consignment and sales.

CO-III Describe Prepare Stock Account.

CO-IV Differentiate between joint venture and partnership.

CO-V Classify branch accounts .

CO-VI Describe the steps in preparation of departmental trading and profit and loss account.

**Complementary Course IV: Co 1331- Information Technology In Business Credits: 3** CO-I

Describe the basic concepts in the field of IT

CO-II Describe E-Commerce and describe the opportunities and challenges offered by E Commerce

CO-III Explain electronic payment technology and requirements for internet based payments

CO-IV Describe the categories of E-Commerce and also the different applications of Ecommerce

CO-V Explain the main issues of E-Commerce

CO-VI Explain WEB Based Business and M-Commerce applications

**Elective Course I: Stream 5 -Computer Application CO 1361.5 - Computer Application for Publications Credits : 4**

CO-I What are free software briefly explain.

CO-II Explain the steps to prepare a document in MS Word.

CO-III Explain the basics of MS Excel

CO-IV Explain are the feature of MS- Word

CO-V How to create a page in Pagemaker

CO-VI How are presentation made in MS- Power Point

## **Semester - IV**

**Core Course VIII Co 1441 Capital Market Credits: 3**

CO-I Explain the functioning of Indian Capital Market.

CO-II Elucidate banking and financial system in India .

CO-III Explain Methods of floatation of capital.

CO-IV Differentiate Investment Vs Speculation

CO-V Explain derivatives.

CO-VI Explain Role and functions of SEBI

**Core Course IX CO 1442 Banking Theory and Practice Credits: 4**

CO-I Explain the changing scenario of Indian Banking

CO-II Explain the major types of Banks in India

CO-III Explain modern banking services.

CO-IV Explain commercial banks and its products provided by them

CO-V Explain relationship between banker and customer

CO-VI Identify Banking sector reforms.

**Core Course X: CO 1443 - Corporate Accounting credits: 4**

CO-I Explain about corporate accounting in conformity with the provisions of Companies Act and IFRS.

CO-II Explain and interpret financial statements of joint stock companies in different situations.

CO-III Describe the main features of Shares and Debentures.

CO-IV Explain about redemption of Shares and Debenture and its types CO-V Prepare the company's final accounts

CO-VI Explain internal reconstruction and procedure to be followed

**Complementary Course III: Co 1431 - Business Statistics Credits: 3** CO-I Explain the

objectives and importance of statistics.

CO-II Describe the methods to Calculate of measures of average CO-III Describe the measures of correlation and regression.

CO-IV Explain how to calculate value of trend .

CO-V Explain and classify methods of index numbers.

CO-VI Explain and analyse application in business.

**Elective Course III: Stream 5 - Computer Application Co 1461.5 - Software For Data Management Credits: 4**

CO-I Explain the basics of Software for data management.

CO-II Explain Spreadsheet Application.

CO-III Explain about SPSS

CO-IV Describe how to create tables in MS- Access

CO-V Explain how to create Report Preparation in Access

CO-VI Explain how to create forms in Access

## Semester - V

**Core Course: XI: CO – 1541: Fundamentals of Income Tax Credits: 4** CO-I Explain the concepts of Income Tax

CO-I Compute the income from salary and income from house property. CO-III State the deductions in income from business or profession. CO-IV Differentiate long term capital gain and short term capital gain. CO-V Explain income from other source.

CO-VI Explain set-off and carry forward of losses.

## **Core Course XII: CO 1542 - Cost Accounting Credits: 4**

CO – I Explain the importance of cost accounting.

CO- II Explain the elements of cost sheet.

CO- III Explain the meaning of material control with pricing methods. CO- IV Explain systems of wage payment.

CO- V Differentiate over absorption and under absorption .

CO- VI Explain the Reconciliation of cost and financial accounts.

## **Core Course XIII: CO 1543- Accounting for Specialised Institutions Credits : 4** CO – I Explain

the accounting practices prevailing in various specialized institutions. CO- II Describe how to prepare final accounts of Banking companies. CO- III Explain the procedure to be followed in preparation of insurance companies accounts. CO- IV Explain how accounts of electricity companies prepared

CO- V Explain how the accounts of insurance companies prepared

CO- VI Explain the functions of Stock Exchanges in India

**Open Course I: CO 1551.1- Fundamentals Of Financial Accounting Credits : 2** CO – I Explain the meaning, objectives of accounting.

CO- I Explain Journal.

CO- III Explain Bank Reconciliation Statement

CO- IV Explain Rectification of errors.

CO- V Explain cash book.

CO- VI Explain Balance Sheet.

### **CO 1561.5 -Web Designing and Production for Business Credits: 4**

CO – I Explain the steps to develop a website .

CO- II Explain the steps to develop Form & Table .

CO- III Explain the steps to develop Frames

CO- IV Explain webhosting.

CO- V Explain steps to develop CSS

CO- VI Explain the concept of XML

### **Semester – VI**

#### **Core Course XIV: CO 1641 – Auditing Credits: 4**

CO – I Explain the principles and procedure of auditing.

CO- II Explain the duties of an auditor in connection with internal check. CO- III Differentiate between vouching and verification

CO- IV Qualifications and Disqualifications of an Auditor.

CO- V Explain Powers and Duties of an Auditor

CO- VI Classify Types of Investigation

#### **Core Course XV: CO 1642 - Applied Costing Credits: 4**

CO – I Differentiate between job costing and batch costing .

CO- II Explain Abnormal gain and their treatment.

CO- III Explain features of Service Costing

CO- IV Differentiate between marginal costing and absorption costing. . CO- V Explain Break Even Analysis

CO- VI Explain Components of standard cost

Core course XVI: CO 1643 - Management Accounting Credits: 4 CO-I Interpret financial statements with specific tools of management accounting. CO-II Explain financial statement analysis in practical point of view CO-III Explain the concept of fund flow and cash flow statement CO-IV Explain budget control keeping in mind the scope of the concept CO-V Differentiate between Cash Flow Statement and Fund Flow Statement CO-VI Explain methods and types of reports

Open Course II: Co 1661.7 - Management of Foreign Trade Credits: 2 CO-I Explain regional economic groupings.

CO-II Explain role of state trading in India's foreign trade.

CO-III Explain role of clearing and forwarding agents.

CO-IV State Free Trade Zones in India

CO-V Explain balance of payments

CO-VI Explain marketing strategy.

Elective Course Iv: Stream 5 -Computer Application Co 1661.5 - Computerised Accounting Credits: 4

CO-I Explain Company creation.

CO-II Classify Vouchers. CO-III Explain Inventory vouchers. CO-IV Explain Cash book . CO-V

Explain Cost centre. CO-VI Explain ratio analysis .

Principal

PRINCIPAL  
ST. CYRILS COLLEGE  
ADOOR

