



Hyderabad Karnataka Education Society's  
**Smt. Veeramma Gangasiri College for  
Women**

(Affiliated to Akka Mahadevi Women's University, Vijayapura & Reaccredited with "A" Grade by  
NAAC)

KALABURAGI-585102



## **Program Specific, Course Outcomes**

1. Physics
2. Chemistry
3. Mathematics
4. Botany
5. Zoology
6. Microbiology
7. Electronics
8. Biotechnology
9. CND
10. Computer Science
11. Political Science
12. Education
13. Psychology
14. Economics
15. Sociology
16. Hindustani Music
17. History
18. Kannada
19. Hindi
20. Urdu
21. English
22. B. Com
23. BBM
24. M. Sc Physics

## SMT. VEERAMMA GANGASIRI COLLEGE FOR WOMEN

(Affiliated to Karnataka State Akkamahadevi Womens University, Vijayapur & Re-accredited with 'A' grade (3rd Cycle) by NAAC, Bengaluru)  
**KALABURAGI-585102**

### Program Outcomes, Program Specific Outcomes & Course Outcomes

Hyderabad Karnataka Education Society's, Smt. Veeramma Gangasiri College for Women, Kalaburagi always keen about the outcomes of programs offered by the institutions. The college always emphasize on the productivity of the student. Our college is unique in this Kalyan Karnataka region and it is one of the second women's college established in the Karnataka State. Presently the college offers four undergraduate, one Post-graduate program and doctoral degree in Physics. Since, from the inception the college follows the guidelines given by the affiliating university in the attainment of the program & course outcomes.

The learning outcomes-based on curriculum is intended to provide a comprehensive foundation to the subject and to help students develop the ability to successfully continue with further studies and research in the subject while they are equipped with required skills at various stages. The following are the outcomes of the offered programs.

### DEPARTMENT OF PHYSICS : Programme Specific Outcomes (PSOs) for B.Sc. Physics

PSO No.	On completing the Programme with Physics, the students will be able
PSO-1	To understand the fundamental knowledge of scientific and technological aspects of Physics in the Nature.
PSO-2	To deliver information with current and recent scientific and technological developments.
PSO-3	To enhance the fundamental knowledge and to create interest about the basic science branch i.e. Physics through skill development assignments
PSO-4	To motivate the society to involve in research activities to unfold the general truths about the nature using the knowledge of Physics.
PSO-5	To develop the scientific and technological temperament for research and Advance development in Applied branches of Physics.
PSO-6	To boost and build-up a progressive and successful career in Physics.

### Mechanism of Communication:

The following mechanism is followed by the department to communicate the learning outcomes to the teachers and students.

- Hard Copy of Physics syllabus and Learning Outcomes given by the university and with little modified by the college and the department as per the vision and mission of the institution are available in the departments for ready reference to the teachers and students.
- Learning Outcomes of the Program, Specific Program and Course are planned to display in the department.
- Soft Copy of Curriculum and Learning Outcomes of Program, Specific Program and Courses are also uploaded to the Institution website for reference.

**Abbreviations used:** CL – Cognitive level, R – Remember, U – Understand, Ap – Application, An – Analyze, E– Evaluation & C - Create

## Course Outcomes (Cos): B.Sc. Physics

### SEMESTER I

**Course Title: MECHANICS AND PROPERTIES OF MATTER**

**Course Code: BSPHY01**

**Subject Code: A210**

CO No.	Course Outcome	PSOs addressed	Cognitive Level
CO-1	To describe about frames of references, laws motion and properties of matter.	1, 2	R, U, Ap
CO-2	To understand the concepts of momentum, energy, rigid bodies, elasticity etc.	1, 3	R, U, Ap, An
CO-3	Using the acquired knowledge capable to solve the problems related to the course.	1, 2, 3	U, Ap, An
CO-4	Correlate the theoretical concepts with the practical aspects in day to day activities.	1,2,4,5,6	U, An, E
CO-5	To assess and discriminate the course content with day to day life aspects.	4, 5, 6	R, U, An, E
CO-6	To adopt and anticipate the course content with the natural phenomenon.	1,2,4,5,6	U, Ap, E, C

### SEMESTER II

**Course Title: HEAT, THERMODYNAMICS AND WAVES AND OSCILLATION**

**Course Code: BSPHY02**

**Subject Code: B210**

CO No.	Course Outcome	PSOs addressed	Cognitive Level
CO-1	To describe the Kinetic theory of gases, Applications of atomicity of gasses for different molecules.	1, 2	R, U, Ap
CO-2	To understand Thermodynamic laws and apply the laws of thermodynamics.	1, 2, 3	R, U, Ap, An
CO-3	Using the acquired knowledge to solve the problems related to the course content with necessary formulae.	1, 2, 3	U, Ap, An
CO-4	To understand the physics and mathematics of waves and oscillations and correlate the theoretical concepts with the practical aspects.	1,2,4,5,6	An, E
CO-5	To evaluate and distinguish the course content with day to day life aspects.	4, 5, 6	R, U, An, E
CO-6	To combine the equations and to understand the physical content in a various day to day applications.	1, 2, 3, 4, 5, 6	U, Ap, C

### SEMESTER III

**Course Title: OPTICAL INSTRUMENTS, LASER AND ELECTRODYNAMICS**

**Course Code: BSPHY03**

**Subject Code: C210**

CO No.	Course Outcome	PSOs addressed	Cognitive Level
CO-1	To identify the various optical instruments and their applications.	1, 2, 3	R, U
CO-2	To understand about an electromagnetic waves and its spectrum, the atomic excitation and LASER principles	1, 3	U, Ap, An
CO-3	To solve the problems related to the vectors and to derive the expressions in electrostatics and magneto statics with vector notations.	1, 2, 3	U, Ap, An
CO-4	To understand the physics and mathematics and correlate the theoretical concepts with the practical aspects.	1, 2, 3, 4, 5, 6	U, Ap, An
CO-5	To consider the concepts while solving the problems related to the course content and day to day aspects.	4, 5, 6	U, Ap, An, E
CO-6	To express the derived equations and explain the electromagnetism related laws and their applications.	1, 2, 3, 4, 5, 6	U, Ap, An, C

### SEMESTER IV

**Course Title: PHYSICAL OPTIC AND ELECTRICITY**

**Course Code: BSPHY04**

**Subject Code: D210**

CO No.	Course Outcome	PSOs addressed	Cognitive Level
CO-1	To recall the basic knowledge about the concepts of light and electricity.	1, 2	R
CO-2	To understand optical phenomena such as polarisation, interference and diffraction in terms of the wave model with simple examples.	1, 3	U, Ap, An
CO-3	To describe the relationship between AC and DC current, various circuits and Bridges, filters etc. and to solve the problems with acquired problem solving skills.	1, 2, 3	U, Ap, An
CO-4	To analyse optical phenomenon such as interference, diffraction etc., and electrical phenomenon.	1, 2, 4, 5, 6	U, Ap, An
CO-5	To distinguish various electrical circuits, Bridges, filters etc.	3, 4, 5, 6	U, Ap, An, E
CO-6	To explain working principle of CRO and its applications in the modern world.	1, 3, 2, 4, 5, 6	U, Ap, An, C

## SEMESTER V

**Course Title: ATOMIC MOLECULAR PHYSICS & SPECIAL THEORY OF RELATIVITY**

**Course Code: BSPHY051**

**Subject Code: E210**

CO No.	Course Outcome	PSOs addressed	Cognitive Level
CO-1	To describe different atom models.	1, 2	R
CO-2	To understand the general structure of atom, spectrum of hydrogen atom, bonding mechanism in molecules and energy level of diatomic molecules.	1, 3	U, Ap, An
CO-3	To explain the various scattering of light with illustrations.	1, 2, 3,4,5	U, Ap
CO-4	To analyse the prerequisite in a molecule towards its rotational and vibrational activity and to know about special theory of relativity with frames of reference.	1, 3, 2, 4, 5, 6	U, An
CO-5	To present the concepts of proper frame, length and time with respect to special theory of relativity.	3, 2, 5, 6	U, Ap, An, E
CO-6	To express the variation of mass with velocity, Einstein mass energy relation and energy momentum relationship.	1,2,4,5,6	Ap, An, C

## SEMESTER V

**Course Title: QUANTUM MECHANICS, NUCLEAR PHYSICS AND ENERGY PHYSICS**

**Course Code: BSPHY052**

**Subject Code: E220**

CO No.	Course Outcome	PSOs addressed	Cognitive Level
CO-1	To describe an importance of quantum mechanics compared to classical mechanics at microscopic level.	1, 2, 3	R,U
CO-2	To understand the Basic properties of nucleus and nuclear models to study the nuclear structure.	1, 3	U, Ap
CO-3	To apply acquired knowledge about the nuclear reactions in the production of nuclear power.	1, 3, 2, 5	U, Ap
CO-4	To predict the challenges and problems associated with the use of various energy sources with regard to future supply and the environment.	1, 2, 4, 5, 6	U, Ap, An
CO-5	To justify sociological and Economical analysis of renewable energy sources.	4, 5, 6	Ap, An, E
CO-6	To simulate the conventional and renewable energy and their primary applications.	3, 4, 5, 6	U, Ap, C

## SEMESTER VI

**Course Title: STATISTICAL PHYSICS AND SOLID STATE PHYSICS**

**Course Code: BSPHY061**

**Subject Code: F210**

<b>CO No.</b>	<b>Course Outcome</b>	<b>PSOs addressed</b>	<b>Cognitive Level</b>
<b>CO-1</b>	To describe the basic concepts of statistical physics, Astrophysics, Solid state Physics.	<b>1, 2</b>	<b>R,U</b>
<b>CO-2</b>	To understand how statistics of the microscopic world can be used to explain the thermal features of the macroscopic world.	<b>1, 3, 2</b>	<b>U, Ap</b>
<b>CO-3</b>	To use thermal and statistical principles in a wide range of applications.	<b>1, 2, 3, 5</b>	<b>U, Ap</b>
<b>CO-4</b>	To classify the type of crystal, crystal formation and x-ray diffraction experiment.	<b>1, 2, 3, 4</b>	<b>U, Ap, An</b>
<b>CO-5</b>	To summarize the Magnetic properties of materials.	<b>2, 4, 5, 6</b>	<b>Ap, An, E</b>
<b>CO-6</b>	To solve connection between statistics and thermodynamics.	<b>2, 4, 5, 6</b>	<b>Ap,An, E, C</b>

## SEMESTER VI

**Course Title: NETWORK THEOREMS, OPTOELECTRONICS AND ELECTRONICS**

**Course Code: BSPHY062**

**Subject Code: F220**

<b>CO No.</b>	<b>Course Outcome</b>	<b>PSOs addressed</b>	<b>Cognitive Level</b>
<b>CO-1</b>	To recall the networks, network theorems and networks applications.	<b>1, 3</b>	<b>R, U, Ap</b>
<b>CO-2</b>	To understand the Boolean algebra, Digital logic circuits and display devices.	<b>1, 3</b>	<b>U</b>
<b>CO-3</b>	To apply laws of electrical circuits to different simple and complicated electrical circuits.	<b>1, 2, 3</b>	<b>U, Ap</b>
<b>CO-4</b>	To analyse the working principles of SEM and TEM.	<b>1, 2, 3, 4, 5, 6</b>	<b>U, Ap, An</b>
<b>CO-5</b>	To evaluate the C-programs related to the computational physics.	<b>1, 2, 4, 5, 6</b>	<b>Ap, An, E</b>
<b>CO-6</b>	To design circuits using transistors and operational amplifiers.	<b>1, 2, 3, 4, 5, 6</b>	<b>Ap, An, C</b>

## Department of Chemistry

### Programme Specific Outcomes (PSOs) for B.Sc. Chemistry

Sr. No	Programme Specific Outcomes
1	To impart knowledge on different branches of chemistry – Inorganic, organic, physical and analytical of the level expected from a Graduate (with Honours) in chemistry .
2	The students acquire theoretical and practical skills that underpins the various branches of chemistry.
3	Proper understanding and knowledge of the subject will be helpful to the students to join PG courses which in turn offer them Job opportunities in the teaching profession and research pursuits .
4	Chemistry Honours students are able to recognize and apply the principles of atomic and molecular structure to predict chemical properties and chemical reactivity .
5	The theoretical knowledge of instruments that are commonly used in most chemistry fields will be helpful to the students for higher studies , research work or in industrial jobs for proper handling and data interpretation.
6	Finally chemistry considered as the 'Mother' science offers a wide range of career opportunities in such diverse areas as teaching , research , chemical and related pharmaceutical industries, consultancy and entrepreneurship .

# Course Outcomes (Cos) : B.Sc. Chemistry

## Semester I

**Course Title : Chemistry Paper - 1**

**Course code – CHT - 1**

Sr.No.	On completing the course, the student will be able to	PSOs addressed	Cognitive levels
CO 1	Impart knowledge of atomic structure and wave mechanics	4,5,6	U, An, C
CO 2	Demonstrate the ability to write electronic configuration, orbital diagram and quantum numbers for electrons in the ground state.	1,3,4	R, U, Ap
CO 3	Understand the principles behind volumetry & distinguish between different types of titration concepts	3, 4, 6	U, An, E
CO 4	Understand the preparation of alkanes, alkenes and alkynes, their reactions, etc & the mechanism of nucleophilic, electrophilic reactions.	2,3,6	U, An, C
CO 5	The concepts of Organic reactions and techniques of writing the movement of electrons, bond breaking, bond forming.	2,3,4	R, U, An
CO 6	Understand the properties of gaseous state and how it links to thermodynamic systems.	3,4,5	U, Ap, An
CO 7	Learn the liquid state and laws of crystallography	1,3,4	U, An, E

**Course Title : Chemistry Practical -1**

**Course code – CHP - 1**

Sr. No.	On completing the course student will be able to	PSOs addressed	Cognitive levels
CO 1	Identify appropriate apparatus used in volumetric analysis	1,2,3	R, U, An
CO 2	Determine volume of a solution of accurately known concentration required to react quantitatively with the analyte	1,2,3	R, U, An



## Semester – II

**Course Title : Chemistry Paper - 2**

**Course code – CHT - 2**

Sr.No.	On completing the course, the student will be able to	PSOs addressed	Cognitive levels
CO 1	Detailed discussion about the s- block and p – block elements	1,2,3	R, U, An
CO 2	Evaluate the periodic properties of s and p block elements	2,3,4	U, An, E
CO 3	Detailed study of the chemistry of hydrocarbons aliphatic and aromatic, Learn about free radical substitution, electrophilic addition and electrophilic aromatic substitution.	1,2,4	R, U, Ap
CO 5	Impart the students the knowledge on phase rule, its applications one ,two component system and Understand the properties of liquids and liquid mixture and Distribution law and its application	1,3,5	R, Ap, E

**Course Title : Chemistry Practical - 2**

**Course code – CHP - 2**

Sr. No.	On completing the course student will be able to	PSOs addressed	Cognitive levels
CO 1	Learn the laboratory techniques such as calibration of thermometer, determination of melting point and boiling point .	1,2,4	R, U, Ap
CO 2	Understand and analyse the organic compounds .	2,3,5	U, Ap, An

### Semester – III

**Course Title : Chemistry Paper - 3**

**Course code – CHT - 3**

<b>Sr.No.</b>	<b>On completing the course, the student will be able to</b>	<b>PSOs addressed</b>	<b>Cognitive levels</b>
<b>CO 1</b>	Understand the alcohol, phenol synthesis and concept of Non – aqueous Solvents	<b>3,4,5</b>	<b>U, An, E</b>
<b>CO 2</b>	Know about valence bond theory, MOT, types of chemical bonding.	<b>2,3,4</b>	<b>R, U, An</b>
<b>CO 3</b>	Analyse the physical properties & chemical reactions of ethers & epoxides	<b>3,4,5</b>	<b>U, An, E</b>
<b>CO 4</b>	Learn about the rate constant, order of reactions , Discuss types of colloids and their properties and applications. concepts of first law of thermodynamics .	<b>1,3,4</b>	<b>R, U, An</b>

**Course Title : Chemistry Practical - 3**

**Course code – CHP - 3**

<b>Sr. No.</b>	<b>On completing the course student will be able to</b>	<b>PSOs addressed</b>	<b>Cognitive levels</b>
<b>CO 1</b>	Gathering the knowledge of analysis of Inorganic mixtures	<b>1,2,4</b>	<b>R, U, An</b>
<b>CO 2</b>	Learn and understand the analysis of acidic and basic radicals in a given mixture .	<b>1,2,3</b>	<b>U, Ap, An</b>

## Semester – IV

**Course Title : Chemistry Paper - 4**

**Course code – CHT - 4**

Sr.No.	On completing the course, the student will be able to	PSOs addressed	Cognitive levels
CO 1	This course gives knowledge about analytical study by spectroscopy.	2, 3, 5	R, U, Ap
CO 2	Understand and learn about the basic knowledge of stereochemistry, types of isomerism, concept of asymmetric carbon atom, concept of symmetry and relative and absolute configuration	2,3,4	R, U, Ap
CO 3	know about general characteristics of d & f block elements, understand the nuclear chemistry and Synthesis	2,3,5	U, Ap, An

**Course Title : Chemistry Practical - 4**

**Course code – CHP - 4**

Sr. No.	On completing the course student will be able to	PSOs addressed	Cognitive levels
CO 1	Experimentally study the kinetics of potassium Iodide - potassium persulphate reaction	1,2,5	R, U, An
CO 2	Determine the density and surface tension of given liquids	2,4,5	U, Ap, An

## Semester – V

**Course Title : Chemistry Paper 5.1**

**Course code – CHT - 5**

Sr.No.	On completing the course, the student will be able to	PSOs addressed	Cognitive levels
CO 1	Understand the basic principle and applications of Bio – inorganic chemistry and Inorganic polymers	1,3,4	R, U, An
CO 2	Explain the nomenclature, classification, synthesis and applications of heterocyclic compounds and organometallic compounds	2,3,4	U, Ap, An
CO 3	Understand the concept and principles of UV and IR spectroscopy and its applications	3,4,5	Ap, An, E
Co 4	Learning of the basic knowledge of electrochemistry and catalysis	3, 4, 5	Ap, An, E

**Course Title : Chemistry Paper 5.2****Course code –CHT - 5**

<b>Sr.No.</b>	<b>On completing the course, the student will be able to</b>	<b>PSOs addressed</b>	<b>Cognitive levels</b>
<b>CO 1</b>	Impart understanding the principles, nomenclature and properties of coordination compounds & significance of organic reagents in inorganic qualitative and quantitative analysis.	<b>1,2,3</b>	<b>R, U, Ap</b>
<b>CO 2</b>	Learn about classification ,nomenclature and structure determination & synthesis of some terpenoids and carbohydrates	<b>2,3,4</b>	<b>U, Ap, An</b>
<b>CO 3</b>	Understand the knowledge of photochemistry , physical properties and molecular structure .	<b>3,4,5</b>	<b>Ap, An, E</b>
<b>CO 4</b>	Educate the students on chemistry of newer material-conducting polymer, super conductor and nano materials.	<b>3,4,5</b>	<b>Ap, An, E</b>

**Course Title : Chemistry Practical 5.3 based on paper 5.1 and 5.2****Course code – CHP - 5**

<b>Sr. No.</b>	<b>On completing the course student will be able to</b>	<b>PSOs addressed</b>	<b>Cognitive levels</b>
<b>CO 1</b>	Provide the laboratory experience on selected experiments of organic estimation.	<b>2, 3, 4</b>	<b>U, Ap, An</b>
<b>CO 2</b>	Basic learning of laboratory procedure for the physical chemistry experiments like conductometric and potentiometric titrations.	<b>3,4,5</b>	<b>Ap, An, E</b>

## Semester – VI

**Course Title : Chemistry Paper 6.1**

**Course code – CHP - 6**

Sr.No.	On completing the course, the student will be able to	PSOs addressed	Cognitive levels
CO 1	Learn about the composition and synthesis of cement, glass & paint , pigment & varnishes	2,3,4	U, Ap, An
CO 2	Understanding and learning about the classification, nomenclature and synthesis of amine, aminoacid & enzymes .	3,4,5	Ap, An, E
CO 3	Impart the knowledge of colligative property and emf	1,2,4	R, U, An

**Course Title : Chemistry Paper 6.2**

**Course code – CHT - 6**

Sr. No.	On completing the course student will be able to	PSOs addressed	Cognitive levels
CO 1	Provide knowledge on theory and applications of different analytical techniques used in chemistry	1,2,5	R, U, E
CO 2	Understand the basic principles and fundamental chromatographic techniques of thin layer and column chromatography	3,4,5	Ap, An, E
CO 3	Learn about composition, classification of oils, fats and waxes, synthesis of some organic compounds, soaps, detergents, dyes and drugs	2,3,4	U, Ap, An
CO 4	Impart understanding on advanced topic like food analysis and environmental chemistry	2,3,4	U, Ap, An

**Course Title : Chemistry Practical - 6.3 based on paper 6.1 & 6.2**

**Course code – CHP - 6**

Sr.No.	On completing the course, the student will be able to	PSOs addressed	Cognitive levels
CO 1	Understanding the basic principles of gravimetry, chemistry involved in gravimetry analysis, terms applied in gravimetric analysis like co- precipitation, post- precipitation, digestion etc and estimation of some iron, sulphate, barium, copper etc.	2,4,5	U, An, E
CO 2	Explain the conductance and its variation with dilution, molar and equivalent conductance .	2,4,5	U, An, E

# Department of Mathematics

## Programme Specific Outcomes (PSOs) for B.Sc. Mathematics

S.No.	On Completing B.Sc Mathematics, the students will be able to:
PSO 1	Comprehend mathematical principles and their applications in the problems of everyday life.
PSO 2	Recognize and identify specific mathematical skills for the existing software jobs and for developing new technologies.
PSO 3	Understand the use of advanced and modern mathematical tools, models, flowcharts and develop the skills for extensive research.
PSO 4	Know specific methods to solve mathematical physics and computational fluid dynamics mixed problems so as to model the advanced theories and provide deductions.
PSO 5	Develop and made aware of analytic and numerical skills for understanding mathematic literature and creating scientific communication in the written, audio and video forms.
PSO 6	Not only stitch to a fragmented mathematical problem into a complete one, but also create instead solutions in distinct fields of physical, biological and social science.

## COURSE OUTCOMES- DEPARTMENT OF MATHEMATICS

**Course Title: Algebra- I**

**Course Code: A230**

Course Outcomes	On completing the course the student will be able to	PSO s addressed	Cognitive Levels
CO 1	Apply De-Moivre's theorem to find the roots of Complex numbers.	1,2,4,5	U, R, Ap
CO 2	Apply the basic De-Moivre's theorem to do Some problems and find the Solution of equations.	1,3,4,5	U, R, Ap, An
CO 3	Understand the relations between the Roots & coefficients of general polynomial equation in biquadratic equations.	1,2,3,4,5,6	U, R, Ap, An, E
CO 4	Analysing the two transformation of equation into another form of three types of equations.	1,2,3,4,5,6	U, R, Ap, An, E
CO 5	Studying the Echelon and normal form of a matrix and finding the inverse matrix.	1,2,3,4,5,6	U, Ap, An, E
CO 6	Ability to apply matrix method to solve system of linear equations and finding trivial and non-trivial solutions.	1,2,3,4,5,6	U, R, Ap, An, E, C

**Course Title : Calculus-I**

**Course Code: B230**

Course Outcomes	On completing the course the student will be able to	PSO s addressed	Cognitive Levels
CO 1	Apply Continuity And Differentiability Concepts Including Hyperbolic Functions.	1,3,4,5	U, R, Ap
CO 2	Apply Intermediate Mean Value Theorems To Solve mathematical Problems	1,2,4,5	U, R, Ap, An
CO 3	Understand the Concept Of Successive Differentiation And Learning Standard Formulas for finding $n^{\text{th}}$ Derivatives.	1,2,3,4,5	U, R, Ap, An, E
CO 4	Understand Leibnitz's Theorem and Its applications.	1,2,3,4,5,6	U, R, Ap, An, E
CO 5	Study the functions of more than one independent variable with partial differentiation of higher order.	1,2,3,4,5,6	U, Ap, An, E
CO 6	Study the total derivative of Implicit functions and Jacobians.	1,2,3,4,5,6	U, R, Ap, An, E, C

**Course Title: Algebra II****Course code: C230**

<b>Course Outcomes</b>	<b>On completing the course the student will be able to</b>	<b>PSO s addressed</b>	<b>Cognitive Levels</b>
<b>CO 1</b>	Apply the conceptive definition of Sequences and algebra of convergent sequences.	1,2,4,6	U, R, Ap
<b>CO 2</b>	Apply the definitions of series , convergence of series - Leibnitz's rule to solve problems.	1,2,3,5	U, R, Ap, An
<b>CO 3</b>	Understand the system of polar coordinates-polar tangent & subnormal.	1,2,3,4,5,6	U, R, Ap, An
<b>CO 4</b>	Study the pedal equation of the curves in cartesian form.	1,2,3,4,5	U, R, Ap, An, E
<b>CO 5</b>	Analysing the reduction formulas for Standard functions with definite limits.	1,2,3,4,5,6	U, Ap, An, E
<b>CO 6</b>	Study the differentiation of functions under the integral sign.	1,2,3,4,5,6	U, R, Ap, An, E, C

**Course Title : Algebra III****Course Code: D230**

<b>Course Outcomes</b>	<b>On completing the course the student will be able to</b>	<b>PSO s addressed</b>	<b>Cognitive Levels</b>
<b>CO 1</b>	Apply the concept of cyclic groups, Lagranges theorem and its consequences.	1,2,4,5	U, R, Ap, An
<b>CO 2</b>	Apply the proofs of fundamental theorem on homo morphism, isomorphism to illustrate some problems.	1,3,4,5	U, R, Ap, An
<b>CO 3</b>	Study the differential equations of first order and higher degree.	1,2,3,4,5,6	U, R, Ap, An, E
<b>CO 4</b>	Study five types of finding the particular integrals of non-homogeneous differential equations.	1,2,3,4,5,6	U, R, Ap, An, E
<b>CO 5</b>	Study and understand the hypothesis of line and Double integrals and evaluation of double integrals under the given limits and regions.	1,2,3,4,5,6	U, Ap, An, E
<b>CO 6</b>	Study the triple integrals and its evaluation and change of order of integration.	1,2,3,4,5,6	U, R, Ap, An, E, C



**Course Title: Paper - 5.1 : Fourier series, Laplace transforms & Linear Transformations**

**Course Code: E250**

<b>Course Outcomes</b>	<b>On completing the course the student will be able to</b>	<b>PSO s addressed</b>	<b>Cognitive Levels</b>
<b>CO 1</b>	Apply the basic definitions of Fourier series of functions with period $2\pi$ & $2L$ .	1,2,4,5	U, R, Ap
<b>CO 2</b>	Study Half range sine and cosine expansions.	1,3,4,5	U, R, Ap, An
<b>CO 3</b>	Study the basic properties of Laplace transformation and finding L.T of standard functions.	1,2,3,4,5,	U, R, Ap, An, E
<b>CO 4</b>	Study L.T s of periodic functions, heavisides functions and convolution theorem.	1,2,3,4,5,6	U, R, Ap, E
<b>CO 5</b>	Study the hypothesis of Linear transformations- Basic concepts , Rank- Nullity theorem and applying to solve problems.	1,2,4,5,6	U, Ap, An, E
<b>CO 6</b>	Study to verify the Rank -Nullity theorem in examples and finding the Range and Null space.	1,2,3,4,5,6	U, R, Ap, An, E, C

**Course Title : Paper 5.2 - Differential Equations**

**Course Code: E260**

<b>Course Outcomes</b>	<b>On completing the course the student will be able to</b>	<b>PSO s addressed</b>	<b>Cognitive Levels</b>
<b>CO 1</b>	Study Linear differential equations of second order with variable Co-efficients.	1,2,4,5	U, R, Ap
<b>CO 2</b>	Study five standard methods of solving differential equations .	1,3,4,5	U, R, Ap, An
<b>CO 3</b>	Learn Integrability and condition of integrability of total differential equations.	1,2,3,4,5,6	U, R, Ap, E
<b>CO 4</b>	Study the methods of solving simultaneous differential equations.	1,2,3,4,5,	U, R, Ap, An, E
<b>CO 5</b>	Study the formation of partial differential equations and Lagranges linear equations.	1,2,3,5,6	U, Ap, An, E
<b>CO 6</b>	Study the methods of solving PDE's of five standard types –Charpits method.	1,2,3,4,5,6	U, R, Ap, An, E, C

**Course Title : Paper- 5.3 : Series Solutions Improper integrals and Vector analysis**

**Course Code: E270**

<b>Course Outcomes</b>	<b>On completing the course the student will be able to</b>	<b>PSO s addressed</b>	<b>Cognitive Levels</b>
<b>CO 1</b>	Study series method of solving Legendre differential equation, Generating function & Rodrigues formula	1,2,3,4,5	U, R, Ap
<b>CO 2</b>	Study the special series solution method to Solve Bessel's differential equation & identities.	1,3,4,5	U, R, Ap, An
<b>CO 3</b>	Study the Improper integrals viz Gamma and Beta functions and Relations between them.	1,2,4,5,6	U, R, Ap, An, E
<b>CO 4</b>	Study of applying Beta & Gamma functions to evaluate integrals & Duplication formula.	1,2,3,4,5,6	U, R, Ap, An, E
<b>CO 5</b>	Study the expression formulas of directional derivatives, Solenoidal and Laplacian Vector identities	1,2,3,4,5	U, Ap, An
<b>CO 6</b>	Apply Greens, Gauss theorems to solve Curvi linear co-ordinated mathematical problems.	1,2,3,4,5,6	U, R, Ap, An, E, C

**CourseTitle: Paper 6.1- Numerical Analysis Course Code : F250**

<b>Course Outcome s</b>	<b>On completing the course the student will be able</b>	<b>PSO s</b>	<b>Cognitive Levels</b>
<b>CO 1</b>	To solve non-linear algebraic equations by various numerical methods like Interval bisection, Newton-Raphason and Regula-Falsi.	1,2,4,5	U, R, Ap
<b>CO 2</b>	To apply still standard numerical methods of Gauss Elimination, Jacobi and Gauss – Seidal to solve non-linear algebraic equations.	1,2,3,4,5	U, R, Ap, An
<b>CO 3</b>	To understand and apply Newtons forward and backward interpolation schemes to solve many engineering and physics problems.	1,2,3,4,5, 6	U, R, Ap, An, E
<b>CO 4</b>	To gain the knowledge of research oriented methods of numerical differentiation and numerical integration schemes.	1,2,3,4,5	U, R, Ap, An, E
<b>CO 5</b>	To acquire knowledge of applying Picard's method and Runge-kutta 4 <sup>th</sup> order method in solving initial value problems	1,2,3,4,5, 6	U, Ap, An, E
<b>CO 6</b>	To acquire the knowledge of homogeneous and non-homogeneous finite difference equations with constant co-efficients.	1,2,3,4,5, 6	U, R, Ap, An, E, C

**Course Title: Paper 6.2- Complex Analysis****Course Code: F260**

<b>Course Outcomes</b>	<b>On completing the course the student will be able</b>	<b>PSO s</b>	<b>Cognitive Levels</b>
<b>CO 1</b>	To analyze expressions for series of sines, cosines, analytic functions and types of convergence .	1,2,4,5	U, R, Ap
<b>CO 2</b>	To represent conjugate and modules of complex numbers geometrically and pictorially.	1,3,4,5	U, R, Ap, An
<b>CO 3</b>	To apply concept and consequences of analyticity and C-R equations in both Cartesian and Polar form.	1,2,3,4,5,6	U, R, Ap, An, E
<b>CO 4</b>	To calculate and compute complex contour integrals and applying various Cauchy-integral theorems to solve complex trigonometric problems.	1,2,3,5,6	U, R, Ap, An, E
<b>CO 5</b>	To able to inculcate the Cauchy's integral theorem and integral formulae for the functions and applying the same to evaluate line integrals.	1,2,3,4,5,6	U, Ap, An, E
<b>CO 6</b>	To gain the knowledge of Cauchy's residues and Residue theorem for the evaluation of real definite integrals around the unit circle.	1,2,3,4,5,6	U, R, Ap, An, E, C

**Course Title : Paper - 6.3- Topology****Course Code : F270**

<b>Course Outcomes</b>	<b>On completing the course the student will be able</b>	<b>PSO s</b>	<b>Cognitive Levels</b>
<b>CO 1</b>	Apply the properties of topology and topological spaces to solve examples there on	1,2,3,4,5	U, R, Ap
<b>CO 2</b>	Study discrete, in discrete Spaces, co-finite topology, countable topology and apply to solve problems on that	1,2,3,4,5,6	U, R, Ap, An
<b>CO 3</b>	Study the characterisation of open sets, Limit points and closure of sets.	1,2,3,4,5,6	U, R, Ap, An, E
<b>CO 4</b>	Study the concepts and properties of interior, exterior and boundary of sets.	1,2,3,4,5,6	U, R, Ap, An, E
<b>CO 5</b>	Study the properties of bases and Subbases. Local base, first countablespace.	1,2,3,4,5,6	U, Ap, An, E
<b>CO 6</b>	Study characteristics of adherent points, limit points and derived sets topological space.	1,2,3,4,5,6	U, R, Ap, An, E, C

## DEPARTMENT OF BOTANY

**Programme: B.Sc. Botany**

**Programme Specific Outcomes (PSOs) for B.Sc. Botany**

Sl. No.	On completing B.Sc. Botany, the student will be able to:
PSO1	Students can identify Bacteria and other microbes. The same knowledge is applied for human welfare.
PSO2	Differentiate the different plant groups like Algae, Fungi, Bryophytes, Pteridophytes, Gymnosperms and Angiosperms.
PSO3	Establish biofertilizer production units using the microbial knowledge to improve the crop yield which minimize the farmers suicide.
PSO4	Correlate the different branches of botany to develop plant nursery of medicinal, aromatic, ornamental and horticulture plants.
PSO5	Distinguish the plants upon different taxonomical groups along with anatomical, physiological & nutritional properties.
PSO6	To create the data for bioinformatics by collecting the comprehensive information from various branches of Botany. The documentation can be used by researchers for their further works.

**COURSE TITLE: VIRUSES, BATERIA, CYANOBACTERIA, ALGAE, FUNGI, LICHENS AND PLANT PATHOLOGY - I SEM**

**Course code: A240**

<b>S.NO</b>	<b>On completing the course, the student will be able to:</b>	<b>PSOs Addressed</b>	<b>Cognitive levels</b>
<b>1</b>	<b>CO1:</b> Read of viral occurrence, history, characteristics, structure and disease PSLV.	<b>1, 2, 3</b>	<b>R, U, Ap</b>
<b>2</b>	<b>CO2:</b> Discuss the occurrence, structure, reproduction of bacteria with disease caused by it.	<b>1, 3</b>	<b>R, U, Ap</b>
<b>3</b>	<b>CO3:</b> Administering general account of cyanobacteria, algae with their characters, reproduction and life cycle of respective genera.	<b>1, 2, 5</b>	<b>R, U, Ap</b>
<b>4</b>	<b>CO4:</b> Analyzing a detailed account on classification of fungi and lichens.	<b>1, 2, 3</b>	<b>An, Ev, C</b>
<b>5</b>	<b>CO5:</b> Compare the economic importance of Viruses, Bacteria, Fungi, Algae, and lichens.	<b>1, 2, 3</b>	<b>An, E, C</b>
<b>6</b>	<b>CO6:</b> Collaborate the lower level of organisms with their diversity and disease caused by them.	<b>1, 2, 3, 4</b>	<b>An, E, C</b>

**Course Title: Botany Practical –I**

**Course code: A242**

<b>S.NO</b>	<b>On completing the course, the student will be able to:</b>	<b>PSOs Addressed</b>	<b>Cognitive levels</b>
<b>1</b>	Students will be able identify microorganism by mounting techniques	<b>1,2,3,6</b>	<b>U, R, Ap, An, E, C</b>
<b>2</b>	Students will observe plant pathology disease like Bacterial, Fungal and viral	<b>1,2,3,6</b>	<b>U, R, Ap, An, E, C</b>

**COURSE TITLE: BRYOPHYTES, PTERIDOPHYTES, PALEOBOTANY AND GYMNOSPERMS - II SEM**

**Course code: B240**

<b>S.NO</b>	<b>On completing the course, the student will be able to:</b>	<b>PSOs Addressed</b>	<b>Cognitive levels</b>
<b>1</b>	<b>CO1:</b> Describing the general characters, classification and reproduction of Bryophytes and Pteridophytes.	<b>4, 5, 6</b>	<b>R, U, Ap</b>
<b>2</b>	<b>CO2:</b> Expressing the evolution of sporophytes with their economic value in bryophytes	<b>4, 6</b>	<b>R, U, Ap</b>
<b>3</b>	<b>CO3:</b> Articulation of stellar evolution, economic importance of pteridophytes. With heterospory and seed habit.	<b>4, 5</b>	<b>R, U, Ap</b>
<b>4</b>	<b>CO4:</b> Classify paleobotany types, and process including few fossil plants in it.	<b>6</b>	<b>An, E, C</b>
<b>5</b>	<b>CO5:</b> Assessing the characteristics, reproduction and economic importance's of gymnosperms.	<b>2, 4, 5, 6</b>	<b>An, E, C</b>
<b>6</b>	<b>CO6:</b> Generalize the diversity in plants based on their classification.	<b>2, 4, 5, 6</b>	<b>An, E, C</b>

**Course Title: Botany Practical –II**

**Course code: B242**

<b>S.NO</b>	<b>On completing the course, the student will be able to:</b>	<b>PSOs Addressed</b>	<b>Cognitive levels</b>
<b>1</b>	Students are able to analyze the morphology anatomy and reproduction in marchantia, anthocero, funeria, selaginella, equisetum, marselia, cycas, pinus, gnetum	<b>1,2,3,4,6</b>	<b>U, R, Ap, An, E, C</b>
<b>2</b>	Students are able to do project works for the above mentioned plants	<b>1,2,3,4,6</b>	<b>U, R, Ap, An, E, C</b>

**COURSE TITLE: MORPHOLOGY, TAXONOMY OF ANGIO SPERMS AND ECONOMIC BOTANY III SEM**

**Course code: C240**

<b>S.NO</b>	<b>On completing the course, the student will be able to:</b>	<b>PSOs Addressed</b>	<b>Cognitive levels</b>
<b>1</b>	<b>CO1:</b> Recall the basic morphological features of root, stem and leaf with different types and functions and different modifications in them	<b>2, 4, 5, 6</b>	<b>R, U, Ap</b>
<b>2</b>	<b>CO2:</b> Describe the concept of inflorescence and its types	<b>2, 4, 5, 6</b>	<b>R, U, Ap</b>
<b>3</b>	<b>CO3:</b> Chart the structure of a flower and different types of aestivation, placentation.	<b>2, 4, 5</b>	<b>R, U, Ap</b>
<b>4</b>	<b>CO4:</b> Classify the taxonomy of angiosperms with their nomenclature, concept of BSI and Herbaria.	<b>5, 6</b>	<b>An, E, C</b>
<b>5</b>	<b>CO5:</b> Distinguish between monocot and dicot families according to the Bentham and hooker system along with their economic importance.	<b>2, 4, 5, 6</b>	<b>An, E, C</b>
<b>6</b>	<b>CO6:</b> Develop the concept of economic botany in different orders of plantations.	<b>2, 4, 5, 6</b>	<b>An, E, C</b>

**Course Title: Botany Practical –III**

**Course code: C242**

<b>S.NO</b>	<b>On completing the course, the student will be able to:</b>	<b>PSOs Addressed</b>	<b>Cognitive levels</b>
<b>1</b>	Students are able to identify plants belongs to taxonomical families like monocot & dicot	<b>1,2,3,4,6</b>	<b>U, R, Ap, An, E, C</b>
<b>2</b>	Students will describe economic botany & techniques of herbarium preparation	<b>1,2,3,4,6</b>	<b>U, R, Ap, An, E, C</b>

**COURSE TITLE: ENVIRONMENTAL BIOLOGY, CONSERVATION AND  
MANAGEMENT OF PLANT RESOURECES IV SEM**

**Course code: D240**

<b>S.NO</b>	<b>On completing the course, the student will be able to:</b>	<b>PSOs Addressed</b>	<b>Cognitive levels</b>
<b>1</b>	<b>CO1:</b> Enumerate the detail concept and components of ecosystem.	<b>1, 2, 3, 4, 5, 6</b>	<b>R, U, Ap</b>
<b>2</b>	<b>CO2:</b> Distinguish the study of Hydrophytes, Xerophytes, Halophytes, Epiphytic adaptations and their morphological and anatomical features.	<b>2, 4, 5, 6</b>	<b>R, U, Ap</b>
<b>3</b>	<b>CO3:</b> Compute the concept of pollution and types with sources and control measures.	<b>6</b>	<b>R, U, Ap</b>
<b>4</b>	<b>CO4:</b> Analyzing the concept of ozone depletion, remote sensing, global warming, acid rain, nuclear winter with control measures.	<b>6</b>	<b>An, E, C</b>
<b>5</b>	<b>CO5:</b> Consider the activities like NEERI, IUCN, WWB, WWF, CPCB, BNHS and phytogeographical regions of India and Karnataka.	<b>2, 4, 5, 6</b>	<b>An, E, C</b>
<b>6</b>	<b>CO6:</b> Facilitating the concept of plant genetic resource management with in-situ and ex-situ along with national and international organizations of conservations.	<b>1, 2, 3, 4, 5, 6</b>	<b>An, E, C</b>

**Course Title: Botany Practical –IV**

**Course code: D242**

<b>S.NO</b>	<b>On completing the course, the student will be able to:</b>	<b>PSOs Addressed</b>	<b>Cognitive levels</b>
<b>1</b>	Generalization of ecological adaptations like hydrophytes, xerophytes, halophytes, epiphytes	<b>2,4,5,6</b>	<b>U, R, Ap, An, E, C</b>
<b>2</b>	Discuss about ecological instruments & students are able to do project works	<b>2,4,5,6</b>	<b>U, R, Ap, An, E, C</b>



**COURSE TITLE: PLANT ANATOMY, PLANT BREEDING AND PROPAGATION  
AND EVOLUTION- V SEM 5.1**

**Course code: E-280**

<b>S.NO</b>	<b>On completing the course, the student will be able to:</b>	<b>PSOs Addressed</b>	<b>Cognitive levels</b>
<b>1</b>	<b>CO1:</b> Define meristmatic tissue and its classification with functions.	<b>2, 4, 5, 6</b>	<b>R, U, Ap</b>
<b>2</b>	<b>CO2:</b> Contrast the anatomical features of dicot and monocot root, stem, leaf with examples.	<b>2, 4, 5</b>	<b>R, U, Ap</b>
<b>3</b>	<b>CO3:</b> Determine about normal and anomalous secondary growth in angiosperms.	<b>2, 4, 5</b>	<b>R, U, Ap</b>
<b>4</b>	<b>CO4:</b> Analyzing the concept of plant breeding, propagation, and nursery management.	<b>4, 6</b>	<b>An, E, C</b>
<b>5</b>	<b>CO5:</b> Appraise the theories of evolution like Lamarckism, Darwinism, and mutation theory.	<b>6</b>	<b>An, E, C</b>
<b>6</b>	<b>CO6:</b> Formulate the concept of primary, secondary and anomalous growth in plants.	<b>2, 4, 5</b>	<b>An, E, C</b>

**Course Title: Botany Practical – V 5.1**

**Course code: E282**

<b>S.NO</b>	<b>On completing the course, the student will be able to:</b>	<b>PSOs Addressed</b>	<b>Cognitive levels</b>
<b>1</b>	Students are able to take T.S sections of monocot, dicot & anomalous secondary growth of root, stem, leaf & hand on training to plant propagation, plant breeding & able to do project works	<b>2,4,5,6</b>	<b>U, R, Ap, An, E, C</b>
<b>2</b>	Students able to construct mitosis and meiosis slides by squash & smear method. Are able to do microchemical tests & to solve the genetic problems	<b>2,4,5,6</b>	<b>U, R, Ap, An, E, C</b>

**COURSE TITLE: CYTOLOGY, GENETICS AND BIOSTATISTICS V SEM 5.2**

**Course code: E-290**

<b>S.NO</b>	<b>On completing the course, the student will be able to:</b>	<b>PSOs Addressed</b>	<b>Cognitive levels</b>
<b>1</b>	<b>CO1:</b> Memorize the cell biology, chromosomal abbreviations and its types.	<b>6</b>	<b>R, U, Ap</b>
<b>2</b>	<b>CO2:</b> Give examples to the concept of Mendel's law of inheritance.	<b>2, 6</b>	<b>R, U, Ap</b>
<b>3</b>	<b>CO3:</b> Determine the concept of mutation and its types, nucleic acid, Genetic code.	<b>6</b>	<b>R, U, Ap</b>
<b>4</b>	<b>CO4:</b> Analysis of genetical aspects in plantations	<b>4, 6</b>	<b>An, E, C</b>
<b>5</b>	<b>CO5:</b> Correlate the concept of biometry and various terms in biostatistics.		<b>An, E, C</b>
<b>6</b>	<b>CO6:</b> Compose the genetic problems with definite examples.	<b>6</b>	<b>An, E, C</b>

**COURSE TITLE: EMBRYOLOGY, PALYNOLOGY AND BIOTECHNOLOGY VI SEM 6.1**

**Course code: F-280**

S.NO	On completing the course, the student will be able to:	PSOs Addressed	Cognitive levels
1	CO1: Recall a general account on plant embryology and contributions of Indian embryologists.	4, 5, 6	R, U, Ap
2	CO2: Discuss the study of anther and ovule as microsporogenesis, male gametophytes and megasporogenesis, female gametophyte.	2, 4, 5	R, U, Ap
3	CO3: Collect the important terminologies in embryology.	4, 5	R, U, Ap
4	CO4: Analyze the study of embryo sac, ovule and their types with a detailed account on pollination and its significance.	2, 4, 5	An, E, C
5	CO5: Distinguish the concepts of fertilization, endosperm, embryo and its types	5, 6	An, E, C
6	CO6: Study a brief account on polyembryony, apomixes, parthenocarpy, palynology and biotechnological aspects with their applications.	4, 6	An, E, C

**Course Title: Botany Practical – VI 6.1**

**Course code: F282**

S.NO	On completing the course, the student will be able to:	PSOs Addressed	Cognitive levels
1	Students are able mount embryo, endosperm, pollen & pollinia by suitable plants & are able prepare M.S Media for inoculation techniques & able to do project works	2,3,4,5,6	U, R, Ap, An, E, C
2	Students are able to set up major & minor physiological experiments about osmosis, diffusion, transpiration, photosynthesis, respiration, fermentation, growth movements	2,3,4,5,6	U, R, Ap, An, E, C

**COURSE TITLE: PLANT PHYSIOLOGY AND PHYTO-CHEMISTRY VI SEM 6.2**

**Course code: F-290**

S.NO	On completing the course, the student will be able to:	PSOs Addressed	Cognitive levels
1	CO1: Read a detailed account on plant physiology with water sources, types and their importance to plant life.	2, 5, 6	R, U, Ap
2	CO2: Discuss the terms and mechanisms of physical process of water absorption.	5	R, U, Ap
3	CO3: Employ the mechanism and concept of ascent of sap with physical theories.	5, 6	R, U, Ap
4	CO4: Categorize the process of transpiration, mineral absorption in plants with suitable theories.	5, 6	An, E, C
5	CO5: Compare the detailed account on enzymes, translocation of organic solutes, photosynthesis, respiration, growth hormones, seed dormancy	4, 5, 6	An, E, C
6	CO6: Express the process of physiology of senescence, plant movements, flowering and nitrogen metabolism in plants.	2, 4, 5, 6	An, E, C

## Department of Zoology

### Programme Specific Outcomes(PSOs) for B.Sc. Zoology

Sl.No	On completing B.Sc. Zoology, the student will be able to:
PSO 1	Curiosity will be ignited in the mind of learners, to know more about the fascinating world of animals & their classification which would enhance their interest and love for the subject of Zoology.
PSO 2	Distinguishes between various forms of life and their organization
PSO 3	Understand and apply Zoology for economical benefit, for carrier opportunities.
PSO 4	Know about physiology and understands how one's and own body process takes place, gives medical knowledge.
PSO 5	Adopt Scientific temper, Acquire skills in biological , cultural techniques.
PSO 6	Understanding and realizing the value of environment, structural organization of organisms

SEMESTER : B. Sc I

COURSE TITLE: BIOLOGY OF NON CHORDATA

Course Code : A250

SL.N O	On completing the course, the student will be able to :	PSOs addressed	Cognitive levels
1.	CO1: Curiosity will be ignited in the mind of learners, to know more about the fascinating world of animals & their classification which would enhance their interest and love for the subject of Zoology, they are able to express, classify about phylum protozoa & life cycle of plasmodium vivax.	1,2,3	R,U,Ap, An
2.	CO2: Students able to observe,describe structure ,type study of phylum coelenterate, parasitic adaptations of Platyhelminthes, type study of nematods.	1,2,3,5	R,U,Ap,An
3.	CO3 : The students are able to describe , classify the detail study of phylum Annelida, classification type study of Earthworm,Cockroach, Palaemon.	1,2,3,5	U, Ap, An
4.	CO4: To correlate with distinctive characters of Mollusca, Echinodermata and their type studies.	1,2,3	U, Ap, An

SEMESTER: B. Sc I

COURSE TITLE: BIOLOGY OF NON CHORDATA- PRACTICAL

Course Code : A252

SL.NO	On completing the course, the student will be able to :	PSOs addressed	Cognitive levels
1.	CO1: Students will be able to identify, Classify and describe, Museum specimens and slides like Protozoa, Porifera to Echinodermata and their type study.	1,2,4,6	R,U,Ap, An,
2.	CO2: Students will be able to describe and perform dissection of Cockroach, Earthworm: Digestive system, Nervous system. Students are able to do projects on Animal album containing photographs, cutouts, with appropriate write up and classification.	1,2,4,6	R, U, Ap, An, C

Semester: B.Sc II

COURSE TITLE: BIOLOGY OF CHORDATA AND OSTEOLOGY

Course Code B250

SL.NO	On completing the course, the student will be able to :	PSOs addressed	Cognitive levels
1.	CO1: Curiosity of students is being aroused to classify, define the diversity of chordate animals with classification, general organization of petromyzon, general characters of pisces, types of scales and fins in fishes.	1,2,5,6	R,U
2.	CO2: Awareness is created and to correlate about identification of poisonous and non poisonous snakes of India, ecological distribution of some amphibians.	1,2,5,6	R, An,
3.	CO3 : Students are able to describe about economic importance of birds, flight adaptations, their general characters, morphology, digestive, reproductive system of rat.	1,2,5,6	R,U,
4.	CO4: Students are able to describe, correlate the detailed knowledge of structural organization of bones, comparative study of axial & appendicular skeleton of frog & rat.	1,2,5,6	R, U, An

SEMESTER: B.Sc II

COURSE TITLE: BIOLOGY OF CHORDATA- PRACTICAL

COURSE CODE : B 252

SL.NO	On completing the course, the student will be able to :	PSOs addressed	Cognitive levels
1.	CO1: Students will be able to distinguish between Hemichordata, Cephalochordata, Urochordata class Pisces, Aves, Amphibia, Reptilia with type studies.	1,2,5,6	R, U, Ap, E
2.	CO2: Students will be able to examine dissection of shark digestive system, Mounting of placoid scales, compare Axial and Appendicular skeleton of Frog and Rabbit.	1,2,5,6	R, U, An

SEMESTER: B.Sc III

COURSE TITLE: APPLIED ZOOLOGY & HISTOLOGY

COURSE CODE : C250

SL.NO	On completing the course, the student will be able to :	PSOs addressed	Cognitive levels
1	CO1: Students will be able to describe about poultry management, apiculture & their economical benefit .	3,4,5	R,U, Ap,
2	CO2: Sericulture & Aquaculture , after learning these chapters students are able to describe rearing methods of silk , and manufacturing of silk products , Scope & techniques of aquaculture , economic important fishes & product of fishes.	3,4,5	R,U,Ap,
3	CO3: Dairy farming, after completion of this chapter students are able to describe scope of dairy farming, daily use of dairy products, importance of large scale , small scale vermiculture, role of earth worms.	1,3,5	R,U,Ap,
4	CO4: Students able to express and know about Women entrepreneurship in small scale industry, histological details of organs , glands in human body.	3,4,5	R,U,Ap,

SEMESTER: B. Sc III  
COURSE CODE : C 252

COURSE TITLE: APPLIED ZOOLOGY & HISTOLOGY -PRACTICAL

SL.NO	On completing the course, the student will be able to :	PSOs addressed	Cognitive levels
1.	<b>CO1:</b> Students will be able to develop economical, carrier building opportunities by studying, visiting various animal husbandry farms, byproducts.	3,4,5	R, Ap, E
2.	<b>CO2:</b> Students will be able to dissect and label silk gland in silk worm, mouth parts ,sting apparatus in honey bee. They are able to do projects on animal husbandry.	3,4,5	R ,Ap, E

SEMESTER: B.Sc IVSEM  
COURSE CODE : D 250

COURSE TITLE: PHYSIOLOGY AND BIOCHEMISTRY

SL.NO	On completing the course, the student will be able to :	PSOs addressed	Cognitive levels
1	CO1: Students will able to describe the physiological process taking place in animal body, students learn about chemical & mechanical digestion in human body.	3,4,5	R, Ap, An
2	CO2: Students know about and compare transport of oxygen & carbon dioxide in human body,role of respiratory pigments in respiration.	3,4,5	U, An
3	CO3 : Students will understand and able to describe the complete circulation process in human body, composition of blood , learn about nitrogen excretion in different animals, Physiology of urine formation, ornithine cycle.	3,4,5	R, Ap, An
4	CO4: Students will be able to understand, articulate how our body muscles are made up of , mechanism of muscle movements, students are provided information of how our brain works, neuron structure and transmission.	3,4,5	R, Ap, An
5	CO5: The students are able to recognize and describe the endocrine system in human body and their hormones with functions.	3,4,5	R,U,An
6	CO6: The students are able to describe the detailed concepts of enzymes classification and roles of enzymes in our body.	3,4,5	R, Ap, An
7	CO7:To familiarize the students to various vitamins present in our body and their importance, deficiency risk, students , the students are imparted knowledge regarding the metabolism which takes place in human body.	3,4,5	R, Ap, An

SEMESTER: B.Sc IVSEM  
COURSE CODE : D 252

COURSE TITLE: PHYSIOLOGY AND BIOCHEMISTRY-PRACTICAL

SL.NO	On completing the course, the student will be able to :	PSOs addressed	Cognitive levels
1	CO1:Students are able to differentiate Qualitative tests for carbohydrates,proteins.	3,4,5	R, U, Ap, E
2	CO2: Students are able to estimate total count of RBC,WBC,haemoglobin, and prepare hematin crystals in human blood.	3,4,5	R, U, Ap, E

SEMESTER: B.Sc V SEM COURSE TITLE: GENETICS(5.1) COURSE CODE : E 300

SL.NO	On completing the course, the student will be able to :	PSOs addressed	Cognitive levels
1	CO1: Able to describe practical applications of genetics, chromosome structure, types genetics terminologies.	4,5,6	R, Ap, E
2	CO2: identify genetic material DNA,RNA and heir types.properties of genetic code.	4,5,6	R, Ap, An, E
3	CO3: determine interaction of genes such as supplementary factors, complimentary factors ,epistasis,lethal genes.	4,5,6	R, Ap, E
4	CO4: apply practical knowledge to detect ABO blood group,Rh factor,explain linkage and crossing over,its significance.	4,5,6	R, Ap, E
5	CO5: differentiate sex linked inheritance in Drosophila,poultry,man , correlate sex determination mechanisms,gynandromorphy,intersexes.	4,5,6	R, Ap, An, E
6	CO6: identify mutations, chromosomal aberrations like Klinefelter's syndrome,down syndrome, turner's syndrome,inborn errors of metabolism in man.	4,5,6	R,U
7	CO7:able to identify and distinguish genetic engineering, biotechnology methods like R DNA technology,PCR, DNA finger printing, DNA vaccines.	4,5,6	R, Ap, E

SEMESTER: B.Sc V SEM

COURSE TITLE: ANIMAL BEHAVIOUR, EVOLUTION AND PALEONTOLOGY (5.2)

COURSE CODE : E 310

SL.NO	On completing the course, the student will be able to :	PSOs addressed	Cognitive levels
1	CO1: Students are able to identify types of animal behavior like Kinesis, Taxes, reflexes , social organization in honey bees, Macaques.	1,3,5,6	R, Ap, E
2	CO2: Students are able to distinguish migration in fishes, with reference to Hilsa and Anguila, migration in birds, orientation and navigation.	1,3,5,6	R,U ,E
3	CO3: Students are able to describe chronobiology, biological clock, various types of rhythms, parental care in fishes and amphibians ,nesting behavior in birds.	1,3,5,6	R, An, Ap, E
4	CO4: Students are able to associate mimicry types in animals like protective, aggressive, warning with suitable examples.	1,3,5,6	R,U, E
5	CO5: Students are able to examine theories of organic evolution like lamarkism, synthetic theory of organic evolution, Darwin Wallace theory, gene mutation, genetic drift.	1,3,5,6	R, Ap, E
6	CO6: Students are able to compare concept of species, sympatric, allopatric speciation, micro and macro evolution.	1,3,5,6	R, Ap, E
7	CO7: Students are able to illustrate fossils and fossilization types of fossils, significance of fossils, evolution of man.	1,3,5,6	R, Ap, E



SL.NO	On completing the course, the student will be able to :	PSOs addressed	Cognitive levels
1	CO1: Students are able to solve genetics problems like monohybrid cross, dihybrid ,multiple allelism,sex linked inheritance in man,squash preparation of salivary gland chromosome, spotting of <i>Drosophila mutan</i> ts.	4,5,6	R, U, Ap ,An, E
2	CO2: Students are able to express ,understand experiment on animal behavior, identify nesting beaviour in birds, social organization in termites, bees,they study evolution,palaentology , they are able to do projects on above topics.	1,3,5,6	R, U, Ap, An, E

SEMESTER: B.Sc V I SEM

COURSE TITLE: CELL BIOLOGY AND DEVELOPMENTAL BIOLOGY (6.1)

COURSE CODE : F 300

SL. NO	On completing the course, the student will be able to :	PSOs addressed	Cognitive levels
1	CO1: Students came to know the importance , describe central role of cell in the biological organization, cell organelles functions.	1,2,3,5	R, Ap, An
2	CO2: Students are able to identify and describe cell cycle stages ,carcinogenic agents of cancer, characteristics of cancer.	1,2,3,5	R, An
3	CO3: Students are able to explain different concept of embryology,developmental biology.	1,2,3,5	U, R
4	CO4: Students able to describe about fertilization events,significance of fertilization, cleavage types	1,2,3,5	R, U, An
5	CO5: Students are able to identify and describe developmental stages of frog,chicken	1,2,3,5	R, U
6	CO6: They get knowledge and able to explain reproductive system of humans, learned about laboratory techniques like IVF , cloning.	1,2,3,5	R, Ap, An

SEMESTER: B.Sc V I SEM

COURSE TITLE: Ecology, Zoogeography & Wild Life Biology (6.2)

COURSE CODE :F310

SL.NO	On completing the course, the student will be able to :	PSOs addressed	Cognitive levels
1	<b>CO1:</b> Students are able to describe basic principles,scope of ecology ,effect of environmental factors on animals, animal relationships with relevant examples.	1,2,6	R,U, Ap
2	<b>CO2:</b> to create awareness among the students and able to explain the structure and functioning of ecosystems, food chain ,food web.	1,2,6	R, Ap
3	<b>CO3:</b> students are able to Classify and compare marine habitat,fresh water habitat and physico-chemical features, animals adaptations.	1,2,6	R,U, Ap
4	<b>CO4:</b> To create awareness among the students and are able to compare regarding the population density,natality, mortality,population growth ,different environmental pollution.	1,2,6	R,U,E
5	<b>CO5:</b> Students are able to classify zoogeographical realms with climatic conditions and fauna ,distribution of animals and barriers.	1,2,6	R, U, An
6	<b>CO6:</b> students are able to recognize, describe wild life problems, realized the value of conservation of wild life and management.	1,2,6	R, U, Ap, An
7	<b>CO7:</b> Students are able to list and explain agencies engaged in wildlife conservation like CBD,IUCN,CITES,WWF.	1,2,6	R,U, Ap

SEMESTER: B.Sc V I SEM  
COURSE TITLE: 6.1-PRACTICAL  
COURSE CODE : F 302

SL.NO	On completing the course, the student will be able to :	PSOs addressed	Cognitive levels
1	CO1: Students are able to prepare fixative,stains, they are able to identify cell organelles, cell division, able to perform squash preparation of onion root tip, identification of embryological slides.	1,2,5	R,U,Ap,An, E,C
2	CO2: Students are able to estimate dissolved oxygen,carbon in given sample, able to describe ecological adaptations, identify endangered species, mapping of land scapes with animals, they are able to do projects on above said topics.	1,2,5	R,U,Ap,An, E,C

## **DEPARTMENT OF MICROBIOLOGY**

### **Programme Specific Outcomes (PSOs) for B.Sc Microbiology**

<b>Sl. no</b>	<b>On completing the course, the student will be able to:</b>
PSO 1	Gain insight of Microbiology starting from history, understand the nature and basic concepts of microbiology, microbial biochemistry, microbial ecology.
PSO 2	Acquire the skill in the use and care of basic microbiological equipment; performance of basic laboratory procedures, proper collection and forwarding of specimens to the laboratory.
PSO 3	Emphasize distribution, morphology and physiology of microorganisms in addition to skills in aseptic procedures, isolation and identification.
PSO 4	Analyse the relationships among microbes and plants/animals/ humans.
PSO 5	Understand the applications of Microbiological sciences in Agriculture, Medicine, Environment, industry etc.
PSO 6	Explore the application of genetic engineering

### **Course Outcomes (COs)**

**Course title: General Microbiology**

**Course code: A280**

<b>Sl. no</b>	<b>On completing the course, the student will be able to:</b>	<b>PSOs addressed</b>	<b>Cognitive levels</b>
CO 1	Understand the basic concepts, developments in microbiology and different branches of Microbiology	1,2	R, U, C
CO 2	Understand the contributions of eminent scientists in the development of Microbiology.	1,2	R, U, C
CO 3	Classify microorganisms into different category according to taxonomic ranks	1,3	U, Ap, An
CO 4	Understand and explain basic principles of different types of microscopes.	2,5	R, U, An
CO 5	Understand the ultra structure of Bacterial cell and differentiate between Prokaryotes and Eukaryotes.	4,5	U, Ap, An,E

**Course title: General Microbiology Practicals****Course code: A282**

<b>Sl. no</b>	<b>On completing the course, the student will be able to:</b>	<b>PSOs addressed</b>
CO 1	Study of different microorganisms with permanent slides, motility of organisms.	1,2,3
CO 2	Attain the practical skills in microscopy and their handling techniques.	2,3

**Course title: Microbial Techniques****Course code: B280**

<b>Sl. no</b>	<b>On completing the course, the student will be able to:</b>	<b>PSOs addressed</b>	<b>Cognitive levels</b>
CO 1	Explain the process of different staining techniques.	2,3	U, Ap, An
CO 2	Assess the outcome of sterilization and disinfection protocol.	2,3	U, An, E
CO 3	Apply various staining procedures for visualizing microorganisms under the microscope.	2,3	U, Ap,C
CO 4	Ability to decide the optimum media for growth of microbes.	4,5	R, U, An
CO 5	Study different instruments and analytical techniques used in microbiology	1,2,3	R, U, An
CO 6	Cultivate and isolate different microorganisms as pure cultures.	1,2,4	U, An, C

**Course title: Microbial Techniques Practicals****Course code: B282**

<b>Sl. no</b>	<b>On completing the course, the student will be able to:</b>	<b>PSOs addressed</b>
CO 1	Understand working and mechanism of different equipments and tools used in Microbiology.	1,2,3
CO 2	Prepare different types of media for cultivating microbes in laboratory.	2,3
CO 3	Perform the staining technique of various microorganisms.	2,3
CO 4	Identifying the morphological features of microorganisms with the help of microscopes	3,4,5

**Course title: Microbial Metabolism****Course code: C280**

<b>Sl. no</b>	<b>On completing the course, the student will be able to:</b>	<b>PSOs addressed</b>	<b>Cognitive levels</b>
CO 1	Understand the concept of enzyme activities, classification and factor influencing enzyme activity.	3,5	U, An, E
CO 2	Understand the general strategy of metabolism and explain various metabolic processes operating in living cell.	3,4	U, An, E
CO 3	Understand the importance of nutritional requirements, microbial growth and factors influencing microbial growth and growth curve.	3,4,5	U, An, E
CO 4	Illustrate various metabolic pathways like EMP cycle, TCA, ED pathway, Glyoxylate cycle and Beta oxidation cycle.	4,5	R, U, Ap, An
CO 5	Understand the concept of fermentation and respiration.	4,5	U, Ap
CO 6	Describe the importance of photosynthesis in microorganisms with special reference to purple and green bacteria.	4,5	R, U, An

**Course title: Microbial Metabolism Practicals****Course code: C282**

<b>Sl. no</b>	<b>On completing the course, the student will be able to:</b>	<b>PSOs addressed</b>
CO 1	Study of IMVIC tests, Biochemical tests, growth curve.	1,2
CO 2	Qualitative analysis of microorganisms by serial dilution followed by plate count method.	2,4,5
CO 3	Perform the measurement of growth of microorganisms using hemocytometer.	2,3
CO 4	Cultivation of anaerobic microorganisms.	2,4

**Course title: Microbial genetics****Course code: D280**

<b>Sl. no</b>	<b>On completing the course, the student will be able to:</b>	<b>PSOs addressed</b>	<b>Cognitive levels</b>
CO 1	Summarize the historical development of Genetics.	1,6	R, U
CO 2	Explain about mutation and different types of mutational changes and their causes.	4,5,6	U, An, E
CO 3	Understand and explain various processes by which gene transfer occurs amongst microbes.	4,6	U, An, E
CO 4	Understand and describe various concepts related with gene and its regulation.	5,6	R, U
CO 5	Study on tools used in genetic engineering and applications of genetic engineering with suitable examples	2,5,6	U, Ap, An
CO 6	Understand the concepts of Clones and cloning techniques	2,6	R, U, C

**Course title: Microbial genetics Practicals****Course code: D282**

<b>Sl. no</b>	<b>On completing the course, the student will be able to:</b>	<b>PSOs addressed</b>
CO 1	Estimate sugars, proteins by biochemical methods.	2,3
CO 2	Extraction of DNA using house hold articles.	2,6
CO 3	Isolation of streptomycin resistant microorganisms	2,3
CO 4	Exposure of microorganisms to UV light and study its mutational characters.	4,5

**Course title: Food Microbiology****Course code: E360**

<b>Sl. no</b>	<b>On completing the course, the student will be able to:</b>	<b>PSOs addressed</b>	<b>Cognitive levels</b>
CO 1	Validate the interactions between foods and microorganisms.	4,5	U,An,
CO 2	Study the role of microorganisms in fermented foods ex. Idli, yoghurt, cheese etc, single cell protein and single cell oil.	1,3,4	U,R,An,C
CO 3	Explain different methods of food preservation and types of spoilage in foods.	2, 4	U,R,An,
CO 4	Gain knowledge about food as substrate for various microbes, the role of factors and its importance.	1, 3	U,Ap,An
CO 5	Understand and analyse food intoxication and food infection	3,4,5	U, An

**Course title: Soil Microbiology****Course code: E370**

<b>Sl. no</b>	<b>On completing the course, the student will be able to:</b>	<b>PSOs addressed</b>	<b>Cognitive levels</b>
CO 1	Understand the different types of microorganisms present in soil, soil profile and soil fertility.	1,3,4	U, R, An, E
CO 2	Study role of microorganisms in Rhizosphere, Phyllosphere and Mycorrhizae and their interactions with plants, microorganisms as plant pathogens	1, 3,4,5	U, Ap, An
CO 3	Analyse the Relation of microorganisms in transformation of Carbon, Nitrogen, Sulphur and Phosphorous in soil.	1,3,4,5	U,E
CO 4	Understand the application of biofertilizers, biopesticides in agriculture.	1,5	U, An
CO 5	Evaluate the microorganisms involved in relation to biodegradation in soil, Nitrogen fixation by microorganisms.	1,3,4,5	U, An, E

**Course title: Food and Soil Microbiology Practical****Course code: E362**

<b>Sl. no</b>	<b>On completing the course, the student will be able to:</b>	<b>PSOs addressed</b>
CO 1	Isolate microorganisms from curds, rotten fruits, vegetables and soil samples.	1,2
CO 2	Examine bacteroids from root nodules, Study and Observation of plant pathogens.	1,2,3
CO 3	Assessment of milk to test the quality by methylene blue reduction test, Estimate lactic acid from curd sample and Counting of microorganisms in milk samples.	2,3,5
CO 4	Estimation of soil alkalinity.	2,5



**Course title: Medical Microbiology****Course code: F360**

Sl. no	On completing the course, the student will be able to:	PSOs addressed	Cognitive levels
CO 1	Understand the overall organization of the immune system, compare and contrast innate and adaptive immune systems.	2,3,5	U, An, E
CO 2	Classify and characterize disease causing organisms like bacterial, viral and fungal.	3,4,5	U, An
CO 3	Analyze cell types and organs present in the immune response.	4,5	An, E
CO 4	Apply basic techniques for identifying Antigen-Antibody interactions.	2,3,5	R, Ap, An
CO 5	Evaluate the reason for immunization and aware of different vaccination.	5,6	R, U, E

**Course title: Industrial Microbiology****Course code: F370**

Sl. no	On completing the course, the student will be able to:	PSOs addressed	Cognitive levels
CO 1	Understand and describe the scope of Industrial Microbiology.	1,2,5	U,An
CO 2	Acquire the knowledge about the production of antibiotic, enzymes, alcohol, vitamins etc.	1,2,3,4,5	R,U,An
CO 3	Analyse the microorganisms used in industries, nature of raw materials, source and its importance in production.	1,2,3,5	U,An,E
CO 4	Understand the different types of fermentation process	2,3,4	R,U,An,
CO 5	Understand different methods of waste water treatment.	2,3,4,5	U,Ap,An

**Course title: Medical and Industrial Microbiology Practicals Course code:F362**

Sl. no	On completing the course, the student will be able to:	PSOs addressed
CO 1	Estimate the percentage of Alcohol, Report of various microorganisms in sewage water sample, Coliform test for drinking water. Immobilization techniques.	1,2,3
CO 2	Observe human pathogens microscopically and isolate swab culture.	4,5
CO 3	Trained with various techniques in clinical microbiology- blood sample, urine and stool examination, sputum sample for AFB, immunohematology, ELISA test, VDRL test, WIDAL test, Antibiotic sensitivity test etc.	1,2,3,4,5,6

## PROGRAMME SPECIFIC OUTCOMES FOR B.SC ELECTRONICS

PSO'S	PROGRAMME SPECIFIC OUTCOMES
PSO1	Apply the acquired Knowledge to identify the problem , analyze, design and implement the system.
PSO2	Adopting the current Technique, Skills and design tools for enhancing the creativity in building, simulating the Electronic circuits.
PSO3	Understanding, Applying and Implementing the Current Technology in creating New circuit ideas.

### COURSE TITLE: FUNDAMENTALS OF ELECTRONICS (I-SEM) COURSE CODE: A260 (Theory); I-SEM

S.NO	On completing the course, the student will be able to:	PSOs Addressed	Cognitive level
1	CO1: Study basic circuit concepts in a systematic manner suitable for analysis and design	1,3	U, AP
2	CO2: Understand transient analysis and AC steady state response.	1,2	AP, C
3	CO3: Analyze the electric circuit using network theorems,	2	C
4	CO4: Study the I-V characteristics of Semiconductor devices diode/BJT/MOSFET devices etc and op-to electronic devices,	1,3	U, AP
5	CO5: Understanding the construction, working , characteristics and applications of Power Semiconductor devices like SCR, DIAC, TRIAC, UJT, MOSFET and IGBT	1,3	U, AP
6	CO6: Study basics number system of Digital Electronics	2,3	U, C

### COURSE TITLE: FUNDAMENTALS OF ELECTRONICS - Practical COURSE CODE: A262 (Practical); I-SEM

1	CO:1 Choose the appropriate equipment for measuring electrical quantities and verify the same $\pi$ for different circuits,	2,3	U, C
2	CO:2 Verify the network theorems and operation of typical electrical circuits,	2	C
3	CO:3 Study the characteristics of different types of semiconductor devices	1,3	U, AP

**COURSE TITLE: ELECTRONICS CIRCUITS (II-SEM)****COURSE CODE: B260 (Theory): II-SEM**

S.NO	On completing the course, the student will be able to:	PSOs Addressed	Cognitive level
1	CO1: study different types of rectifier, filters and fixed, variable voltage regulators	1,2	AP, C
2	CO2: Understand the different transistor biasing circuits, drawing equivalent model of a transistor and determining-Parameters. Study the frequency response of different Amplifiers like RC coupled, Transformer coupled, direct coupled amplifiers and FET amplifier	2,3	U, C
3	CO3: Describe the Power Amplifiers efficiency of class A, B distortion and Tuned amplifiers.	1,2	AP, C

**COURSE TITLE: ELECTRONICS CIRCUITS -Practical****COURSE CODE: B 262 (Practical); II-SEM**

1	CO1: Construct unregulated , regulated and variable DC power supply	1,3	U, AP
2	CO2: Illustrates the frequency response and Band width of different types of Amplifiers like RC coupled amplifier, Tuned amplifier.	1,2	AP, C

**COURSE TITLE: ELECTRONICS CIRCUITS AND APPLICATIONS****COURSE CODE: C 260(Theory): III-SEM**

S.NO	On completing the course, the student will be able to:	PSOs Addressed	Cognitive level
1	CO1: understand Wave shaping circuits, different types of feedback , their merits and demerits .Effects of feedback on Amplifiers characteristics.	1,2	AP, C
2	CO2: Known the principle of oscillator, understanding different types of oscillators and multi vibrators.	1,2	AP, C
3	CO3: study differential amplifier, Operational amplifier, its characteristics and applications like Differentiator, Integrator, comparator, Schmitt trigger, Multi vibrators, square, sine and Triangular oscillator	1,3	AP, U

**COURSE TITLE: ELECTRONICS CIRCUITS AND APPLICATIONS - Practical**  
**COURSE CODE: C 262 (Practical); III-SEM**

<b>1</b>	<b>CO:1</b> Construct and verify with theoretical values of different wave shaping circuits, RC.LC oscillators using Transistors	<b>1,3</b>	<b>AP, U</b>
<b>2</b>	<b>CO:2</b> Rig up the different circuits using Op-amp like INV,N.I, differentiator, integrator, active LPF,HPF. Sine wave oscillators, AMV,MMV and BMV	<b>2,3</b>	<b>U, C</b>
<b>3</b>	<b>CO:3</b> study and construct different types of multivibrator circuits using IC555.	<b>1,2</b>	<b>AP, C</b>

**COURSE TITLE: DIGITAL ELECTRONICS**  
**COURSE CODE: D260 (Theory): IV-SEM**

<b>S.NO</b>	<b>On completing the course, the student will be able to:</b>	<b>PSOs Addressed</b>	<b>Cognitive level</b>
<b>1</b>	<b>CO1:</b> understand construction of Basic gates, study Boolean Algebra, laws, theorems and simplification or Boolean expressions and solving K-map.	<b>1,2</b>	<b>AP, C</b>
<b>2</b>	<b>CO2:</b> study logic circuits like adders, comparators, encoders, decoders, multiplexers, de-multiplexers etc.	<b>1,3</b>	<b>U, AP</b>
<b>3</b>	<b>CO3:</b> know the operation of different flip flops, counters, shift registers ring counter and Johnson counter.	<b>1,2</b>	<b>AP, C</b>
<b>4</b>	<b>CO4:</b> study different logic families like TTL, DTL, ECL and CMOS.	<b>2,3</b>	<b>U, C</b>

**COURSE TITLE: DIGITAL ELECTRONICS**  
**COURSE CODE: D 262 (Practical): IV-SEM**

<b>1</b>	<b>CO1:</b> Construct and verify the truth table of different logic gates and circuits like Adders, code converters, decoder, encoder, flip flops.	<b>1,3</b>	<b>U, AP</b>
<b>2</b>	<b>CO2:</b> construct and verify the truth table of counters, shift register, and characteristics of TTL ICs	<b>2,3</b>	<b>U, C</b>

**COURSE TITLE: ELECTRONIC COMMUNICATION-I****COURSE CODE: E320 (Theory): V-SEM**

S.NO	On completing the course, the student will be able to:	PSOs Addressed	Cognitive level
1	CO1: study different types of transmission line and T-line equation	1,3	U, AP
2	CO2: Familiarization with the basic concept of a communication system and need for modulation.	2,3	U, C
3	CO3: Familiarization with various modulation techniques AM, FM and PM and their different modulator circuits and demodulation circuits	1,3	U, AP
4	CO4: study block diagram of AM, FM Radio receivers.	2,3	U, C

**COURSE TITLE: ELECTRONIC COMMUNICATION-I -Practical****COURSE CODE: E 322(Practical); V-SEM**

1	CO:5 Construct and study the frequency response of AF,RF and class-C Amplifiers, IF Amplifier.	1,3	U, AP
2	CO:6 construct AM modulator circuit, AM demodulator circuit and AGC circuits	2,3	U, C

**COURSE TITLE: DIGITAL ELECTRONICS AND MICRO PROCESSOR****COURSE CODE: E330 (Theory): V-SEM**

S.NO	On completing the course, the student will be able to:	PSOs Addressed	Cognitive level
1	CO1: Understand the converters like D-A, A-D Converter and their performance parameters.	1,3	U, AP
2	CO2: Familiarization with various memory devices like RAM ,ROM, EEPROM and EPROM	2,3	U, C
3	CO3: know the basics of Microprocessor block diagram, Architecture and pin diagram of 8085 microprocessor. Understanding instruction sets and data format	1,2	AP, C
4	CO4: study various interfacing devices, PPI, DMA Controller 8277/8237 and 8279 and understanding ADC and DAC interfacing with 8085.	2,3	U, C

**COURSE TITLE: DIGITAL ELECTRONICS AND MICRO PROCESSOR**  
**COURSE CODE: E 322(Practical): V-SEM**

<b>5</b>	<b>CO:5</b> construct and verify R-2R Type DAC and Flash type ADC	<b>1,3</b>	<b>U, AP</b>
<b>6</b>	<b>CO:6</b> write and execute the programme for different applications	<b>2,3</b>	<b>U, C</b>

**COURSE TITLE: ELECTRONIC COMMUNICATION-II**  
**COURSE CODE: F320 (THEORY): VI-SEM**

<b>S.NO</b>	<b>On completing the course, the student will be able to:</b>	<b>PSOs Addressed</b>	<b>Cognitive level</b>
<b>1</b>	<b>CO1:</b> Familiarization with principle of Mono chorme TV transmission and reception and study different types of camera tubes.	<b>1,2,3</b>	<b>U, AP, C</b>
<b>2</b>	<b>CO2:</b> Familiarization with different TV standards worldwide and study of principle of colour TV transmission and reception.	<b>1,3</b>	<b>U, AP</b>
<b>3</b>	<b>CO3:</b> Understand analog pulse modulation PAM, PWM and PPM. Also PCM and DM. explain digital communication ;advantages and disadvantages, digital modulation techniques like ASK, FSK, PSK etc.,	<b>2,3</b>	<b>U, C</b>
<b>4</b>	<b>CO4:</b> explain principle of Optical fiber, advantages and disadvantages, types. Familiarization with optical sources and detectors, Know the block diagram of the OFC System.	<b>1,3</b>	<b>U, AP</b>

**COURSE TITLE: ELECTRONIC COMMUNICATION-II**  
**COURSE CODE:F322(Practical); VI-SEM**

<b>1</b>	<b>CO:5</b> construct and study the characteristics of photo transistor and Thermister	<b>2,3</b>	<b>U, C</b>
<b>2</b>	<b>CO:6</b> Construct modulator and demodulator circuits of PAM, PWM and PPM. Also study ASK, FSK and PSK.	<b>1,2,3</b>	<b>U, AP, C</b>
<b>3</b>	<b>CO:7</b> write and execute the programme for interfacing LED, RELAY, FND,DAC and ADC with microprocessor 8085	<b>2,3</b>	<b>U, C</b>

**COURSE TITLE: INSTRUMENTATION AND MICRO CONTROLLER**  
**COURSE CODE: F330 (Theory); VI-SEM**

S.NO	On completing the course, the student will be able to:	PSOs Addressed	Cognitive level
1	<b>CO1:</b> Familiarization with different sensors like Thermistor, Thermocouple, solid state temperature sensor and study of displacement and strain transducer like LVDT, STRAIN GAUGE etc.,.	1,3	U, AP
2	<b>CO2:</b> illustrate different signal conditioning circuits like Active filter, precision rectifier, peak detector, sample and hold circuit, PSD, Lock in amplifier etc.,.	2,3	U, C
3	<b>CO3:</b> Study of basic comparison with microprocessor, 8051 Architecture, instruction sets I/O programming 8051 , 8051 Timer, counter programming, interfacing ADC ND DAC to 8051.	1,2,3	U, AP, C

**COURSE TITLE: INSTRUMENTATION AND MICRO CONTROLLER - Practical**  
**COURSE CODE: F322(Practical): VI-SEM**

1	<b>CO:1</b> Design and implement the Project on relevant topic	1,2,3	U, AP, C
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## **Biotechnology :PROGRAM SPECIFIC OUTCOMES (PSOs)**

- PSO<sub>1</sub> :** Successful professional carer & / or higher studies by gaining knowledge in fundamental & biological principles (Cognitive objective)
- PSO<sub>2</sub> :** Provide strong foundation in the core biotechnology courses to evaluate real life problems and to propose biotechnological students with economical and social viability.
- PSO<sub>3</sub> :** Sensitize on environmental, health and bioethical issues, Intellectual property right, professional ethics and life-long learning through application orientated activities Behavioural objective.
- PSO<sub>4</sub> :** To develop scientific temperament and social responsibilities in the students.
- PSO<sub>5</sub> :** To best owe the students with all the research skills required to work independently.

**COURSE TITLE : BIOCHEMISTRY ( I SEM)**

**COURSE CODE : A310**

<b>Sl. No.</b>	<b>On completing the course the students will be able to :</b>	<b>PSOs Addressed</b>	<b>Cognitive Level</b>
CO <sub>1</sub>	Understand the importance, evolution and diversity of cells.	1, 3	U, E
CO <sub>2</sub>	Learns to visualize the cells by employing different types of microscopes	2, 6	R, U
CO <sub>3</sub>	Able to describe the organization, structure and functions of cell organelles	1, 3	R, U
CO <sub>4</sub>	Understand the biochemical pathways associated with the cellular organelles	1, 3	R, U
CO <sub>5</sub>	Rationalize different transport mechanisms occurring in the cell	1, 3	AN, E
CO <sub>6</sub>	Understand the cell signalling mechanisms	1, 3	R, U
CO <sub>7</sub>	Perceive over all mechanism of all growth and cell cycle and division	1, 3	U, AN
CO <sub>8</sub>	Understand the sequential events that occur during mitosis and meiosis	1, 3	R, U



**COURSE CODE A312 Practical**

CO1: The students get familiarized with basic principles of working of microscope.	<b>2</b>	<b>R, U</b>
CO2 : Students will be able observe & correctly identify different cell types cellu structure using different microscope	<b>2</b>	<b>R, U, Ap</b>

**COURSE TITLE : BIOCHEMISTRY ( II SEM.)****COURSE CODE : B310**

<b>Sl. No.</b>	<b>On completing the course the students will be able to :</b>	<b>PSOs Addressed</b>	<b>Cognitive Level</b>
CO <sub>1</sub>	Describe the chemistry of carbohydrates lipids, proteins and nucleic acids.	3	R, U
CO <sub>2</sub>	Describe the classification and structural organization of proteins	1	R, U
CO <sub>3</sub>	Describe the classification and mach anism of enzyine action	1	R, U
CO <sub>4</sub>	Describe the catabolic reactions of carbohydrates, lipids and arninoacids	4	R, U
CO <sub>5</sub>	Describe the significance of secondary metabolites.	5	R, U
CO <sub>6</sub>	Comprehend the basic concepts of isolating pufying and characterising proteins	3	R, U AN

**COURSE CODE B312 PRACTICAL**

Co1: The students can perform the estimation of proteins	<b>1, 2</b>	<b>R, U, AP</b>
CO2 :The students are aware of qualitative & quantitative estimation of biomolecule	<b>2,5</b>	<b>Ap, An</b>

**COURSE TITLE : MICROBIOLOGY & IMMUNOLOGY ( III SEM)****COURSE CODE C310**

<b>Sl. No.</b>	<b>On completing the course the students will be able to :</b>	<b>PSOs Addressed</b>	<b>Cognitive Level</b>
CO <sub>1</sub>	Gain knowledge on various classes of microorganisms, their history, Microscopy basics and different staining techniques.	1,3,6	R,U,E
CO <sub>2</sub>	Know about the microbial growth media, metabolism of microorganisms	1,3,6	R,U
CO <sub>3</sub>	Acquire knowledge on structural organization and multiplication of microorganisms.	1, 3	U, C
CO <sub>4</sub>	Historical milestones in the field of immunology.	1, 3	R U
CO <sub>5</sub>	Overall immune system of human beings, cells and organs involved in immunity.	1, 3	R, U AN
CO <sub>6</sub>	The types of immunity.	1, 3	U, AN, E

<b>COURSE CODE : C312 PRACTICALS</b>	<b>2,4</b>	<b>Ap, An</b>
CO1: Students will be able to apply basic techniques for identifying antigen-antibody interactions		
CO2 : The students will be able to elucidate The reason for immunization & aware of different vaccine	<b>4, 5</b>	<b>Ap, An</b>
CO3 : Imparting Practical knowledge on microbial community by studying different methods of inoculation & media preparation.	<b>4</b>	<b>U, Ap, An</b>

**COURSE TITLE : MOLECULAR & BIOLOGY ( IV SEM)      COURSE CODE D310**

<b>Sl. No.</b>	<b>On completing the course the students will be able to :</b>	<b>PSOs Addressed</b>	<b>Cognitive Level</b>
CO <sub>1</sub>	Learn structural levels of nucleic acids DNA, RNA and genome organization in prokaryotes and eukaryotes.	1, 3, 4, 5	U, R
CO <sub>2</sub>	Describe the basic structure and biochemistry of nucleic acids and proteins and discriminate between them.	1, 3	R, U
CO <sub>3</sub>	Identify the principles of DNA replication transcription and translation and explain how to relate to each other.	1, 3, 4	R, U
CO <sub>4</sub>	Discuss clearly about gene organization and mechanises of control the gene expression in various organisms.	1, 3	AP, U
CO <sub>5</sub>	Discuss clearly about mechanisms of control the gene expression	1, 4, 3	U, AP
CO <sub>6</sub>	Articulate applications of molecular biology in the modern world.	5, 3, 4	U, AP

**COURSE TITLE : MOLECULAR & BIOLOGY ( IV SEM) PRACTICAL  
COURSE CODE : D312**

CO1:Be able to understand functional significance of Dna technology	<b>1, 2</b>	<b>U</b>
CO2: To gain a hands on experience in techniques used in molecular biology & their applications.	<b>4,5</b>	<b>Ap</b>

**COURSE TITLE : GENETIC ENGINEERING (V - SEM) (5.1)  
COURSE CODE : E420**

<b>On completing the course the students will be able to :</b>	<b>PSOs Addressed</b>	<b>Cognitive Level</b>
CO1: Aware of how to clone commercially important genes	2, 3, 4, 6	R, U, E
CO2: To produce the commercially important recombinant proteins	2, 3, 4	U, Ap
CO3: Aware of gene and genome sequencing technique	3, 4, 8	R, U, E
CO4: Aware of microarrays, Analysis of gene expression and proteomics	3, 8	R, AP
CO5: Aware of how to clone the genes from genomic library	2, 3, 8	R, E

<b>E422 Practicals</b> CO1:Students practically learn techniques of plasmid isolation & agarose gel electrophoresis	2, 4	U, Ap, An
CO2 :Students gets idea about transformation in bacterial cells & screening of transformation.	1, 2	U, Ap, An

**COURSE TITLE : PLANT AND ANIMAL BIOTECHNOLOGY ( V - SEM) (5.2)**

**COURSE CODE : E430**

Sl. No.	On completing the course the students will be able to :	PSOs Addressed	Cognitive Level
CO <sub>1</sub>	Understand the nature of plant genome and its complications also understand the usage of these genes in crop improvement program.	1, 3, 5	R, U
CO <sub>2</sub>	Select a suitable cloning vector for the production of genetically modified plants.	2, 3, 5	U, AN
CO <sub>3</sub>	Understand the importance of various transgenic plants and its role in crop improvement and green revolution	3, 4	R, U
CO <sub>4</sub>	Recollect and remember to define understand the fundamental knowledge of animal cell culture.	3, 8	R, U
CO <sub>5</sub>	Understand the concepts and procedures of monoclonal antibodies and gene therapy of animal infections	3, 4	R, U AN
CO <sub>6</sub>	Understand the concepts and strategies used for the production of transgenic animals.	3, 4	R, U

**COURSE CODE : E422 PRACTICALS**

CO1	The course will focus on practical aspects of cell culture like design & layout of the laboratory, aseptic techniques, contamination, methods for measuring viability.	1, 2	Ap, An
CO2	Students will get practical hands on how to establish a cell lines & its maintenance	4, 5	Ap, An

**COURSE TITLE : AGRICULTURAL AND ENVIRONMENTAL BIOTECHNOLOGY (VI -SEM) (6.1)**

**COURSE CODE : F420**

Sl. No.	On completing the course the students will be able to :	PSOs Addressed	Cognitive Level
CO <sub>1</sub>	Describe the role that Agrobacterium tumefaciens plays in producing genetically modified plant crops.	1, 3	R, U
CO <sub>2</sub>	Comprehend the basic principles of agricultural biotechnology	1, 3, 4	AP, AN

CO <sub>3</sub>	Analyze the different applications of genetically modified plants or crops and related issues.	3, 6	U, AN
CO <sub>4</sub>	Appreciate the importance of environment by assessing its impact on the human world	3, 5	R, U
CO <sub>5</sub>	Analyze the importance of social issues	1, 3, 5	U, AN
CO <sub>6</sub>	Analyze the impact of human population describe the concept of pollution management.	3, 6	R, U, AN,

**COURSE CODE : F422 PRACTICALS**

CO1	Demonstration of effect of herbicide on plant growth using pot culture	3, 4, 5	R, U
CO2	Students will learn how to produce bio fertilizer & bio pesticide.	1, 5	R, U

**COURSE TITLE : INDUSTRIAL AND MEDICAL BIOTECHNOLOGY(VI - SEM) (6.2)**

**COURSE CODE : F430**

Sl. No.	On completing the course the students will be able to :	PSOs Addressed	Cognitive Levels
CO <sub>1</sub>	Able to learn define and understand the basics in industrial production of bio-products and methods.	3, 6	R, U
CO <sub>2</sub>	Gain the knowledge and manufacturing process of the primary metabolites of commercial importance	1, 2	U, C
CO <sub>3</sub>	Able to estimate evaluate and express the production of therapeutic and diagnostic products.	1, 3, 8	U, R
CO <sub>4</sub>	Have good knowledge of the morphology and functions of the organism	3, 4, 7	R, U, C
CO <sub>5</sub>	Know the clinical diagnostic process of the main human diseases, including applied technologies	3, 7, 8	U, AN
CO <sub>6</sub>	Study the different pathogenic and medically important Microorganisms	3, 7	U, E

**COURSE CODE : F422 PRACTICALS**

CO1	Students gets idea of large scale production ,preparation of instruments etc, by visiting to fermentation industry	1, 4	U, AP
CO2	Students practice various techniques of isolation, screening of microbial strains	4, 5	AP, AN
CO3	Be able to perform the techniques related to health care.	3, 5	U, AP

## DEPARTMENT OF CLINICAL NUTRITION AND DIETETICS

### Programme Specific Outcomes (PSOs) for B.Sc. CND

Sl. No.	On completing B.Sc. Botany, the student will be able to:
PSO1	Students can enumerate the functions, sources , deficiency of Macronutrients and Micronutrients along with the Food groups. They can also analyse anatomical structures.
PSO2	Determining the physiological changes and hormonal changes associated with disorders and disease during life stages of women. Special care in feeding practices of infancy and preschool children are discussed.
PSO3	Judge the difference between different food commodities their uses in preparation of food. Observe the working nature of food service organization.
PSO4	Manipulate the diet according to the needs of patients. Practice planning of diets for various diseases.
PSO5	Distinguish nutrients needed for the human body as per RDA. Recommend the diet based on physiological needs of a person. Demonstrate various diets
PSO6	Apply nutrition knowledge to the requirement of the community. Justify the role of dietician to support nutrition intervention. Prepare visual aids for nutrition education.

### COURSE TITLE: - BASIC NUTRITION AND HUMAN PHYSIOLOGY I SEM

Course code : 18CND11

S.NO	On completing the course, the student will be able to:	PSOs Addressed	Cognitive levels
1	CO1: Describing the basic terminology aspects of Nutrition and functions of Food in Healthy life sustenance	1,3,5	R, U
2	CO2: Determining the function of Nutrients, dietary sources associated with the consequences of deficiency	1,2,3,4	AP, U,
3	CO3: Correlating the Macronutrients and micronutrient functions distinguishing deficiencies.	1, 3	AN, ,U
4	CO4: Understanding the concepts of Minerals and Vitamins usage	1,3	U
5	CO5: Generalizing the diagrammatic view of human physiological structures	1	AN,C
6	CO6: Identifying the hormonal changes associated with endocrine glands disorder categorizing over and under secretions	1,4,5,6	R,U,AN

**COURSE TITLE: - FAMILY MEAL MANAGEMENT AND BIOCHEMISTRY II SEM**  
**Course code : 18CND21**

S.NO	On completing the course, the student will be able to:	PSOs Addressed	Cognitive levels
1	CO1: Discussing the Nutritional status of Indian population	2,4,5,6	U
2	CO2: Generalizing the Nutritional problems in specific age group with the adaptation of special care in feeding practices	2,4,5,6	C
3	CO3: Describing the factors affecting lactation and discussing weaning practices in infancy	2,4,5,6	R,U
4	CO4: Applying the relevance of Biochemistry in Food science	2,3,	AP
5	CO5: Considering the Nutritional requirements of a person meal planning is done based on food selection and complications	2,4,5,	E

**COURSE TITLE: FOOD COMMODITIES AND QUANTITY FOOD PRODUCTION III SEM**  
**Course code : 18CND31**

S.NO	On completing the course, the student will be able to:	PSOs Addressed	Cognitive levels
1	CO1: Distinguishing the characteristics of cereals & millets, pulses & legumes with nutritional aspects. The selection, processing and use in variety of preparations are articulated.	1,3,4	U,AP
2	CO2: Explain spoilage of food commodities their uses and processing methods comparing the varieties of products	3	U,AN
3	CO3: Visualizing the availability, cost, and storage conditions of different food groups are prioritized	3,4,6	R,AN
4	CO4: Classification of beverages based on alcoholic and non-alcoholic beverages with the modification of suitability of glasswares.	3	U
5	CO5: Relating to the food contamination and sterilization of foods, microbiological aspects are focussed.	3	AP,An
6	CO6: To organize the aims and objectives of different food services, different techniques of menu planning's are considered	3	U,An,

**COURSE TITLE: BASIC DIETETICS AND PERSONNEL MANAGEMENT IV SEM**  
**Course code : 18CND41**

S.NO	On completing the course, the student will be able to:	PSOs Addressed	Cognitive levels
1	CO1: Recognize the needs of various nutrients in different life cycles	1,4,5	R
2	CO2: Understand Routine hospital diets its uses, purposes, nutrient density of the diet. practice the preparation of diets	4,5,6	R, U
3	CO3: Identify the special feeding methods used in hospital. Evaluate the patient's needs.	2,4,5	U, AP,
4	CO4: Illustrate the role of personnel manager. Understand the functions of management	4	U, AP,
5	CO5: Reframe the structure of organization, write the tools of management	4	E, C
6	CO6: Measure the level of food intolerance based on facts and present problems. Learn time management	4,5,6	C

**COURSE TITLE - ADVANCED DIETETICS V SEM 5.1**  
**Course code : 18CND51**

S.NO	On completing the course, the student will be able to:	PSOs Addressed	Cognitive levels
1	CO1: Describe Nutrition care process in the hospital . Understand the role of hospital diets	5,6	R, U
2	CO2: Illustrate the methods for preparation of various diets. Examine the Nutrients given, case study analysis at hospital	4,5,6	AP, AN
3	CO3: Modify the diets in various disease like obesity , CVD, Diabetes, liver disease etc. distinguish nutrients in various disease	4,5,6	AP, AN
4	CO4: Estimate nutrient intake of each person, evaluate risk factors, complication, food composition while planning diet	4,5,6	A, E
5	CO5: Weigh the foods before cooking to know the difference in weight, objectives of cooking	3,4,5	E
6	CO6: Plan the diets, justify the diet counselling with appropriate explanation. Propose the diet plans with indication.	4,5,6	C

**COURSE TITLE: CLINICAL NUTRITION V SEM 5.2**  
**Course code: 18CND52**

S.NO	On completing the course, the student will be able to:	PSOs Addressed	Cognitive levels
1	CO1: Understand the history of Nutrition, define the role of dietician in hospital and community	1,4,5,6	R, U
2	CO2: Select the foods according to nutrients needs of the body. Transform food into nutrient rich recipes	4,5,6	U

3	CO3:..Examine the energy needs of the body based on BMR, physical activity and specific dynamic action of food	4,5,6	AP
4	CO4: Explains causes , symptoms, complications of each disease and tell the measures to control, cure the disease	4,5,6	AN, AP
5	CO5: Support patient / client in understanding the disease, nutrients needed and food choices	4,5,6	E
6	CO6:..Propose nutrition care plan for cancer, AIDS modify the nutrients to antioxidants. Report the diets.	4,5,6	C

### **COURSE TITLE: FOOD SERVICE EQUIPMENT AND LAYOUT VI SEM 6.1**

**Course code: 18CND61**

S.NO	On completing the course, the student will be able to:	PSOs Addressed	Cognitive levels
1	CO1: Enumerate various equipment's needed for food service organization. List the equipment based on sequence of food service.	3,6	R
2	CO2: Classify the equipment based on size, weight, automation etc. Compare the functioning of equipment's	3,6	U
3	CO3: Apply the knowledge of catering management, menu planning etc for purchasing of equipment. calculate the cost needed for equipment	3,6	AP, An
4	CO4: Evaluate the layout of food service operations – Rearrange the layout to make working counters comfortable for employees	3,6	An, C
5	CO5: Distinguish the types of service provided in the outlets. Analyse municipal rules and legislation before set up	3,6	An,E
6	CO6: Collaborate with other food service organization for advertisement formulate appropriate menu to suit the location	3,6	An,C

### **COURSE TITLE: COMMUNITY NUTRITION VI SEM 6.2**

**Course code: 18CND62**

S.NO	On completing the course, the student will be able to:	PSOs Addressed	Cognitive levels
1	CO1: Identify various nutrition problems of India. Classify the disease according to the level of deficiency	6	R,U
2	CO2: Estimate the needs of risk group of India. Assess Nutrition status	6	U
3	CO3: Construct the Nutrition intervention programs for at risk group. Connect with people to address the problems	6	AP,AN,
4	CO4: Choose Nutrition education method to provide awareness on Nutrition problems in community. Anticipate with National And International Agencies	6	E,C
5	CO5: Differentiate various communicable disease of the community. Combine assessment methods to construct intervention programmes, and formulate feeding methods	6	An,E,C
6	CO6: Adopt recent advance in nutrition for food fortification , associate with PHC for better promotion. Design now recipes , low cost nutrient rich recipes for risk group	6	U,E, C



## DEPARTMENT OF COMPUTER SCIENCE

PROGRAMME: B.SC COMPUTER SCIENCE

PSO'S	PROGRAMME SPECIFIC OUTCOME
PSO1	Build the knowledge of current techniques, skills, and tools for computing practices and mathematics appropriate to the discipline and to provide effective solution in the area of computing.
PSO2	Apply the acquired knowledge to identify the problem, analyse, design and develop the system as the solution to the problem and in competitive world.
PSO3	Capable of adapting to new technologies and constantly upgrade their skills with an attitude towards independent and lifelong learning and communicate effectively among a range of audiences.

COURSE TITLE: MS OFFICE AND C-PROGRAMMING TECHNIQUES

COURSE CODE: A270

COS	COURSE OUTCOMES After completing this course satisfactorily, the student will be able to	PSOs Addressed	Cognitive levels
CO1	Understand and Apply various words formatting toolbar for creating document.	PSO1	U, R, Ap
CO2	Explore algorithmic approaches to problem solving.	PSO1	U, R, Ap
CO3	Understand and Demonstrate the fundamental programming concepts such as variables, data types & operators	PSO1, PSO2	U,R, An, E
CO4	Able to implement I/O operations in C programming	PSO1,PSO3	U,R, E
CO5	Develop modular programs using control structures and arrays in C	PSO1, PSO2, PSO3	U,R, E,C

COURSE TITLE: MS OFFICE AND C-PROGRAMMING TECHNIQUES-LAB

COURSE CODE: A272

COS	COURSE OUTCOMES After completing this course satisfactorily, the student will be able to	PSOs Addressed	Cognitive levels
CO1	Create documents by applying various tools in MS Word	PSO1, PSO2	U, R,C
CO2	Read, understand and trace the execution of simple programs using control statements written in C language.	PSO1, PSO2	U,R, An, C
CO3	Write programs that perform operations using Arrays & String	PSO1,PSO 3	U, An, C

COURSE TITLE: ADVANCE C PROGRAMMING, MS OFFICE & INTERNET TOOLS

COURSE CODE: B270

<b>COS</b>	<b>COURSE OUTCOMES After completing this course satisfactorily, the student will be able to</b>	<b>PSOs Addressed</b>	<b>Cognitive levels</b>
<b>CO1</b>	Recognize the use functions in C	PSO1	U,R
<b>CO2</b>	Trace, implement the programs using structure and union.	PSO1, PSO2	U,R,E
<b>CO3</b>	Analyse programming problems to choose when Pointers should be used and when files will produce a better program.	PSO1, PSO2	U, R, An
<b>CO4</b>	Evaluate, test and debug programs that use different terms such as simple variables, arrays, unions and structures.	PSO1, PSO2	U,R,C
<b>CO5</b>	Prepare various concepts of MS Excel like functions, Charts	PSO1,PSO3	U,R,C
<b>CO6</b>	Integrate the concept of Internet to use in day to day life	PSO1,PSO2, PSO3	U,R,C

COURSE TITLE: ADVANCE C PROGRAMMING, MS OFFICE & INTERNET TOOLS -LAB  
COURSE CODE: B272

<b>COS</b>	<b>COURSE OUTCOMES After completing this course satisfactorily, the student will be able to</b>	<b>PSOs Addressed</b>	<b>Cognitive levels</b>
<b>CO1</b>	Understand the concept of user defined functions , Pointers, structures and implement the programs	PSO1,PSO2	U, R, AN, E
<b>CO2</b>	Create Excel sheets by applying various Formulas and Functions in MS-Excel	PSO1,PSO3	U, R, C

COURSE TITLE: OBJECT ORIENTED PROGRAMMING WITH C++

COURSE CODE: C270

<b>COS</b>	<b>COURSE OUTCOMES After completing this course satisfactorily, the student will be able to</b>	<b>PSOs Addressed</b>	<b>Cognitive levels</b>
<b>CO1</b>	Understand the basic concepts of OOP	PSO1	U, R
<b>CO2</b>	Teach the knowledge about data types, operators, expressions and control structures	PSO1	R, An
<b>CO3</b>	Produce the basics of Functions, Overloading, Class and Objects	PSO1,PSO2	U, An, E
<b>CO4</b>	Explain the concept of Constructors, Destructors and Overloading Operators	PSO1,PSO2	U, An, E
<b>CO5</b>	Integrate the concept of Inheritance, Pointers and Virtual functions, use Console I/O operations, Stream Classes and Files	PSO1, PSO2, PSO3	U, E, C

COURSE TITLE: OBJECT ORIENTED PROGRAMMING WITH C++ LAB

COURSE CODE: C272

<b>COS</b>	<b>COURSE OUTCOMES</b> <b>After completing this course satisfactorily, the student will be able to</b>	<b>PSOs Addressed</b>	<b>Cognitive levels</b>
<b>CO1</b>	Understand the syntax, object oriented language programming and construction of C++ code	PSO1	U,R
<b>CO2</b>	Implement the concept of Overloading, overriding, constructor etc in C++	PSO1,PSO2	An, E
<b>CO3</b>	Use the concept of files to create the program in C++	PSO1,PSO3	U, Ap, C

COURSE TITLE: COMPUTER APPLICATION

COURSE CODE: C910

<b>COS</b>	<b>COURSE OUTCOMES</b> <b>After completing this course satisfactorily, the student will be able to</b>	<b>PSOs Addressed</b>	<b>Cognitive levels</b>
<b>CO1</b>	Understand the basic concept of Computers, number systems and Explain Memory & I/O devices.	PSO1	U, R
<b>CO2</b>	Prepare Word document, Save a file, the importance of operating systems, & Desktop icons	PSO1,PSO2	U, An, Ap
<b>CO3</b>	Analyse the concepts computer codes	PSO1	An, Ap
<b>CO4</b>	Adopt the Knowledge of Networking, E-Mail & HTML to use in daily life	PSO1,PSO2, PSO3	U, Ap, C
<b>CO5</b>	Integrate the concept of Internet	PSO1,PSO3	R, An,Ap

COURSE TITLE: DATABASE MANAGEMENT SYSTEM

COURSE CODE: D270

<b>COS</b>	<b>COURSE OUTCOMES</b> <b>After completing this course satisfactorily, the student will be able to</b>	<b>PSOs Addressed</b>	<b>Cognitive levels</b>
<b>CO1</b>	Demonstrate the basic elements of a relational database management system.	PSO1	U, R, An
<b>CO2</b>	Identify data models for relevant problems.	PSO1,PSO2	U, R, Ap
<b>CO3</b>	Illustrate entity relationship and convert entity relationship diagrams into RDBMS and formulate SQL queries on the respect data.	PSO1,PSO2	U, R, An, Ap, E
<b>CO4</b>	Apply normalization for the development of application software's.	PSO1	U, R, An
<b>CO5</b>	Design and implement a full real size database system	PSO1,PSO2, PSO3	U, R, An, C

COURSE TITLE: DATABASE MANAGEMENT SYSTEM- LAB

COURSE CODE: D272

<b>COS</b>	<b>COURSE OUTCOMES After completing this course satisfactorily, the student will be able to</b>	<b>PSOs Addressed</b>	<b>Cognitive levels</b>
<b>CO1</b>	Understand & implement the DDL, DML & DCL Commands	PSO1,PSO2	U, R, Ap
<b>CO2</b>	Implement the concept of relational algebra queries	PSO1,PSO2	U, R, E, C
<b>CO3</b>	Develop the logical design of the database using data modelling concepts such as entity-relationship diagram	PSO1,PSO3	U, R, Ap, C

COURSE TITLE: DATASTRUCTURE USING C

COURSE CODE: E340

<b>COS</b>	<b>COURSE OUTCOMES After completing this course satisfactorily, the student will be able to</b>	<b>PSOs Addressed</b>	<b>Cognitive levels</b>
<b>CO1</b>	Understand the concept of Dynamic memory management, data types and algorithms	PSO1	U, R
<b>CO2</b>	Analyse the operations like searching, insertion and deletion, traversing mechanism etc. on various data structures	PSO1,PSO2	U, R, An
<b>CO3</b>	Understand the concept of stacks and recursion.	PSO1,PSO2	U, R, Ap
<b>CO4</b>	Explain the data structure queues.	PSO1,PSO2	R, An, E
<b>CO5</b>	Implementation of stack and queues using linked lists	PSO1,PSO2, PSO3	U, R, An, E

COURSE TITLE: PROGRAMMING IN JAVA

COURSE CODE: E350

<b>COS</b>	<b>COURSE OUTCOMES After completing this course satisfactorily, the student will be able to</b>	<b>PSOs Addressed</b>	<b>Cognitive levels</b>
<b>CO1</b>	Understand the basic Java language syntax and semantics to write Java programs	PSO1	U, R
<b>CO2</b>	Describe the concepts of variables, conditional and iterative execution methods etc to implement in programming	PSO1,PSO2	U, R, Ap
<b>CO3</b>	Discuss the fundamentals of object-oriented programming in Java, including defining classes, objects, invoking methods	PSO1,PSO2	U, R, An
<b>CO4</b>	Explore the various methodologies to handle the exception mechanisms and the principles of inheritance, packages and interfaces	PSO1,PSO2	U, R, E
<b>CO5</b>	Understand the programming concepts for applet and graphics to develop the programs	PSO1,PSO2, PSO3	U, R, An, C

COURSE TITLE: DATA STRUCTURE USING C AND PROGRAMMING IN JAVA – LAB  
COURSE CODE: E342

<b>COS</b>	<b>COURSE OUTCOMES</b> <b>After completing this course satisfactorily, the student will be able to</b>	<b>PSOs Addressed</b>	<b>Cognitive levels</b>
<b>CO1</b>	Demonstrate basic Data Structure such as arrays, stack, queues & Linked lists	PSO1, PSO2	U, R, An
<b>CO2</b>	Implement various sorting & searching techniques	PSO1,PSO2	U, R, C, E
<b>CO3</b>	Understand the basic Java language syntax and semantics to write Java programs	PSO1,PSO3	U, R, C, E
<b>CO4</b>	Describe the concepts of variables, conditional and iterative execution methods etc to implement in programming	PSO1,PSO2	U, R, An, E
<b>CO5</b>	Discuss the fundamentals of object-oriented programming in Java, including classes, objects, invoking methods, Inheritance, overloading, exception handling etc	PSO1,PSO3	U, R, E, C

COURSE TITLE: WEB PROGRAMMING

COURSE CODE: F340

<b>COS</b>	<b>COURSE OUTCOMES</b> <b>After completing this course satisfactorily, The student will be able to</b>	<b>PSOs Addressed</b>	<b>Cognitive levels</b>
<b>CO1</b>	Understanding the working of Web	PSO1,PSO2	U, R
<b>CO2</b>	Learn the concepts of HTML,CSS to develop interactive web pages using HTML, CSS and JavaScript	PSO1,PSO3	U, R, An
<b>CO3</b>	Understanding the validation methods in Javascript	PSO1,PSO2	U, An
<b>CO4</b>	Develop web applications for real time situations using PHP and MySQL Describe the javascript functions, javascript arrays and javascript objects.	PSO1,PSO3	U, R, E, C
<b>CO5</b>	Build dynamic web site using server side PHP Programming	PSO1,PSO3	U, R, E, C

COURSE TITLE: DATA COMMUNICATION & COMPUTER NETWORKS

COURSE CODE: F350

<b>COS</b>	<b>COURSE OUTCOMES</b> <b>After completing this course satisfactorily, the student will be able to</b>	<b>PSOs Addressed</b>	<b>Cognitive levels</b>
<b>CO1</b>	Understand the components of a data communications system and protocol model.	PSO1	U
<b>CO2</b>	Understanding the Data Signals & Transmission Modes	PSO1,PSO2	U, R
<b>CO3</b>	Understand the Concept of digital to analog and analog to analog conversions Transmission Media	PSO1,PSO2	U, R, An
<b>CO4</b>	Get the knowledge of Circuit Switching, Error detection & Correction.	PSO1,PSO2	U, R, An
<b>CO5</b>	Understanding the Data link control, framing, ALOHA	PSO1,PSO3	U, R, An

COURSE TITLE: WEB PROGRAMMING & DATA COMMUNICATION &  
 COMPUTER NETWORKS- LAB  
 COURSE CODE: F342

<b>COS</b>	<b>COURSE OUTCOMES</b> <b>After completing this course satisfactorily, The student</b> <b>will be able to</b>	<b>PSOs</b> <b>Addressed</b>	<b>Cognitive</b> <b>levels</b>
<b>C01</b>	Develop static web pages using HTML, XHTML and Cascading Styles sheets	PSO1,PSO2	U, An, C
<b>C02</b>	Develop a dynamic web pages using JavaScript (client side programming)	PSO1,PSO3	U, An, C
<b>C03</b>	Design an XML document and CSS to store and display DB	PSO1,PSO2	U, An, C
<b>C04</b>	Develop simple web application using server-side PHP programming and Database Connectivity using MySQL	PSO1,PSO3	U, An, C
<b>C05</b>	Analyse PCM, FSK, PSK, QAM and Delta Modulation	PSO1,PSO2	U, An, C
<b>C06</b>	Study Different transmission media and LAN Topology	PSO1,PSO3	U, An, C

## **DEPARTMENT OF POLITICAL SCIENCE**

### **PROGRAMME SPECIFIC OUTCOMES (PSOs):**

<b>No.</b>	<b>On Completing B.A. Political Science, the student will be able to:</b>
<b>PSO 1.</b>	Define and understand key concepts and theories of Political Science as well as thoughts of Indian and Western Political Thinkers.
<b>PSO 2.</b>	This program aims to give the students a comprehensive knowledge about the working of Indian Political and Administrative system. Students sense the responsibility of citizenship.
<b>PSO 3.</b>	Familiarity with different approaches to the study of Politics and an ability to apply these to contemporary collective and Political Behaviour.
<b>PSO 4.</b>	Political Science enables students to enhance and grasp the basic structure. Political forces directly impact their lives, help them analyse political problems, arguments etc.
<b>PSO 5.</b>	An ability to formulate and construct logical argument about political phenomenon.
<b>PSO 6.</b>	Apply their learnings and skills for policy evaluation and formulation in the area of their choice.

## COURSE OUTCOMES (CO'S): B.A POLITICAL SCIENCE

### SEMESTER – I

Course Title: **BASIC CONCEPTS OF POLITICAL SCIENCE**

Course Code: I Sem A470

Sl.No.	On completing the course, the student will be able to:	PSOs addressed	Cognitive levels
<b>CO1</b>	Define the meaning, nature, scope and key concepts of Political Science.	<b>1</b>	<b>R</b>
<b>CO2</b>	Compare and Contrast divine theory, Social Contract theory and Historical Theories.	<b>2</b>	<b>U</b>
<b>CO3</b>	Explain the meaning characteristics of Sovereignty in the age of globalization.	<b>1,3</b>	<b>R, Ap</b>
<b>CO4</b>	Experiment to the successful working of democracy.	<b>4</b>	<b>An</b>
<b>CO5</b>	Able to judge law, justice, human (EV), rights and duties towards state.	<b>5</b>	<b>E</b>

### SEMESTER-II

Course Title: **WESTERN AND INDIAN POLITICAL THOUGHT**

Course Code: II Sem B470

Sl.No.	On completing the course, the student will be able to:	PSOs addressed	Cognitive levels
<b>CO1</b>	Define Plato's education system, philosopher king, communism, ideal state etc	<b>1</b>	<b>R</b>
<b>CO2</b>	Understand Aristotle's Classification of Governments and Best State and also revolution theory.	<b>2, 4</b>	<b>U, An</b>
<b>CO3</b>	Analyse the J.S. Mills Liberty and Representative Government.	<b>3</b>	<b>Ap</b>
<b>CO4</b>	Classify the Koutilya's Saptanga theory and Mandala Theory.	<b>4</b>	<b>An</b>
<b>CO5</b>	Defend the Truth and Non-Violence, Satyagraha ideas if Mahatma Gandhiji.	<b>5</b>	<b>E</b>
<b>CO6</b>	Develop the Social Democracy and views on Women rights.	<b>6</b>	<b>C</b>



### SEMESTER-III

**Course Title: POLITICAL PROCESS AND INSTITUTIONS IN INDIA PART-I**

**Course Code: III Sem C470**

Sl.No.	On completing the course, the student will be able to:	PSOs addressed	Cognitive levels
<b>CO1</b>	Define the Parliamentary democracy and its features.	<b>1</b>	<b>R</b>
<b>CO2</b>	Classify the Unitary and Federal Features.	<b>2</b>	<b>U</b>
<b>CO3</b>	Compare Political parties, opposition parties and regional parties.	<b>3</b>	<b>Ap</b>
<b>CO4</b>	Criticize the Political Defection and defend the Anti Defection Act.	<b>4</b>	<b>An</b>
<b>CO5</b>	Assess the Electoral process and choose the electoral reforms.	<b>5</b>	<b>E</b>
<b>CO6</b>	Express the views on coalition government.	<b>6</b>	<b>C</b>

### SEMESTER-IV

**Course Title: POLITICAL PROCESS AND INSTITUTIONS IN INDIA PART-II**

**Course Code: IV Sem D470**

Sl.No.	On completing the course, the student will be able to:	PSOs addressed	Cognitive levels
<b>CO1</b>	Identify the legislative, administrative, financial relations between union and states and as well as relation during emergency.	<b>1, 2</b>	<b>R, U</b>
<b>CO2</b>	Explain the UPSC, KPSC, NHRC, NCW etc	<b>2</b>	<b>U</b>
<b>CO3</b>	Discuss the 73 <sup>rd</sup> constitutional amendment act, main features and solve the problems of local self-governments.	<b>4</b>	<b>R, U</b>
<b>CO4</b>	Plan how to eradicate illiteracy, gender inequality, castism and communalism and regionalism.	<b>4</b>	<b>An</b>
<b>CO5</b>	Support to the feminist movement.	<b>5</b>	<b>E</b>
<b>CO6</b>	Plan the Reservation for women.	<b>6</b>	<b>C</b>

### SEMESTER-V (5.1)

Course Title: **PUBLIC ADMINISTRATION**

Course Code: V Sem (5.1) E590

Sl.No.	On completing the course, the student will be able to:	PSOs addressed	Cognitive levels
<b>CO1</b>	Recognize the meaning, nature, scope and importance of public administration.	<b>1</b>	<b>R</b>
<b>CO2</b>	Identify the Similarities and differences between the public and private administration.	<b>2</b>	<b>U</b>
<b>CO3</b>	Interpret the principles of organization, like Hierarchy, Delegation of Authority and Span of Control etc.	<b>3</b>	<b>Ap</b>
<b>CO4</b>	Classify the Line and Staff agencies.	<b>4</b>	<b>An</b>
<b>CO5</b>	Decide the powers and functions of the Chief executive.	<b>5</b>	<b>E</b>
<b>CO6</b>	Develop the knowledge of Recruitment, Training, Promotion and Retirement as well as Morel and Discipline.	<b>6</b>	<b>C</b>

### SEMESTER-V (5.2)

Course Title: **INTERNATIONAL RELATIONS**

Course Code: V Sem (5.2) E600

Sl.No.	On completing the course, the student will be able to:	PSOs addressed	Cognitive levels
<b>CO1</b>	Know the Meaning, Nature, Scope and Importance of the International Relations.	<b>1</b>	<b>R</b>
<b>CO2</b>	Explain the Elements of National Powers.	<b>2</b>	<b>U</b>
<b>CO3</b>	Develop the Ideas of Foreign Policy and Diplomacy and Propaganda are the Instruments of Foreign Policy.	<b>3</b>	<b>Ap</b>
<b>CO4</b>	Analysis the Causes and Remedies of War and Terrorism.	<b>4</b>	<b>An</b>
<b>CO5</b>	Support the Balance of Power and Collective Security.	<b>5</b>	<b>E</b>
<b>CO6</b>	Find the Errors of the Peaceful Settlement of International Disputes.	<b>5</b>	<b>E</b>
<b>CO7</b>	Propose and Plan the Disarmaments and Arms Control.	<b>6</b>	<b>C</b>

### SEMESTER-VI (6.1)

Course Title: **INDIAN ADMINISTRATION**

Course Code: VI Sem (6.1) F590

Sl.No.	On completing the course, the student will be able to:	PSOs addressed	Cognitive levels
<b>CO1</b>	Define the Evolution and Features of the Indian Administration.	<b>1</b>	<b>R</b>
<b>CO2</b>	Identify the Central Cabinet Secretariat, PM Office, Ministers and Departments.	<b>1,2</b>	<b>U</b>
<b>CO3</b>	Prepare for the All-India Services, Central Services and State Services.	<b>3</b>	<b>Ap</b>
<b>CO4</b>	Criticize the Corruption in Administration.	<b>4</b>	<b>An</b>
<b>CO5</b>	Evaluate the Working of CVS, Lokpal and Lokayukta.	<b>5</b>	<b>E</b>
<b>CO6</b>	Support to the Right to Information Act -2005.	<b>5</b>	<b>E</b>
<b>CO7</b>	Express the Opinion on the Budgetary Process, Good Governance, E-governance etc.	<b>6</b>	<b>C</b>
<b>CO8</b>	Create the Knowledge of Self Help Groups.	<b>6</b>	<b>C</b>

### SEMESTER-VI (6.2)

Course Title: **INTERNATIONAL ORGANISATION**

Course Code: VI Sem (6.2) F600

Sl.No.	On completing the course, the student will be able to:	PSOs addressed	Cognitive levels
<b>CO1</b>	State the Meaning, Characteristics and Functions of the International Organization and International Law.	<b>1</b>	<b>R</b>
<b>CO2</b>	Explain the Objectives and Achievements of League of Nations.	<b>2</b>	<b>U</b>
<b>CO3</b>	Examine the Achievements and Shortcomings of UNO.	<b>3</b>	<b>Ap</b>
<b>CO4</b>	Plan the Major Regional Organizations.	<b>4</b>	<b>An</b>
<b>CO5</b>	Select the Principles of Non-Aligned Movement.	<b>5</b>	<b>E</b>
<b>CO6</b>	Plan the Role of NAM in Maintaining World Peace and Harmony.	<b>6</b>	<b>C</b>

## **DEPARTMENT OF EDUCATION**

### **PROGRAMME SPECIFIC OUTCOMES (PSOs):**

No.	On Completing B.A. Education, the student will be able to:
<b>PSO 1.</b>	State the meaning of Philosophical, Psychological, Sociological and technological aspect of foundation in Education.
<b>PSO 2.</b>	Discuss the nature of Philosophical, Psychological, Sociological and technological aspect of foundation in Education.
<b>PSO 3.</b>	Explain the scope of Philosophical, Psychological, Sociological and technological aspect of foundation in Education.
<b>PSO 4.</b>	Analyze historical and current events from an educational perspective.
<b>PSO 5.</b>	Write clearly expressing an education point of view.
<b>PSO 6.</b>	Understand the education way of thinking.

## Course Outcomes (CO's): B.A Education

### SEMESTER – I

Course Title: **PHILOSOPHICAL FOUNDATIONS OF EDUCATION**

Course Code: **A360**

Sl.No.	On completing the course, the student will be able to:	PSOs addressed	Cognitive levels
<b>CO1</b>	Gain knowledge of the concept and process of education and realize the philosophical basis of education, they realize the need and importance of education in human life.	<b>1,2,3,6</b>	<b>R,U, An</b>
<b>CO2</b>	They get the information about the different aims of education at different ages and the modern aims.	<b>1,3,4,5</b>	<b>R, C</b>
<b>CO3</b>	They get the knowledge about the relationship of education with other sciences.	<b>2,3,5</b>	<b>R,U, An, E</b>
<b>CO4</b>	They get the knowledge about some great western and Indian thinkers of education about their early life and their contribution.	<b>1,2,4,5,6</b>	<b>R, An, E</b>

### SEMESTER-II

Course Title: **SOCIOLOGICAL FOUNDATIONS OF EDUCATION**

Course Code: **B360**

Sl.No.	On completing the course, the student will be able to:	PSOs addressed	Cognitive levels
<b>CO1</b>	Recognize the works of different agencies of education.	<b>2,3,5</b>	<b>R, U</b>
<b>CO2</b>	Making the students to understand the meaning of social change and factors which effect social change and the different methods of social change.	<b>1,2</b>	<b>R, U</b>
<b>CO3</b>	Bringing knowledge about the constitutional provisions available in the India for women education.	<b>1,2,6</b>	<b>R,C</b>
<b>CO4</b>	To bring awareness about the problems of women education in India and its solutions.	<b>1,3,5</b>	<b>U, An, C</b>

### SEMESTER-III

Course Title: **PSYCOLOGICAL FOUNDATIONS OF EDUCATION**

Course Code: **C360**

Sl.No.	On completing the course, the student will be able to:	PSOs addressed	Cognitive levels
<b>CO1</b>	Gain knowledge about concept of Psychology and its relation with Education.	<b>1,2,3</b>	<b>R, U, An</b>
<b>CO2</b>	Get knowledge about the different style of growth and Development with reference to Psychology and Education.	<b>1,2,3,5</b>	<b>R,U,E,C</b>
<b>CO3</b>	Gain the knowledge about learning theories and its Educational Implications.	<b>1,3,5</b>	<b>R,U, Ap</b>
<b>CO4</b>	Practice the concepts of memory and forgetting in enhancing the learning process.	<b>1,2,3,6</b>	<b>R, U, Ap, E</b>

### SEMESTER-IV

Course Title: **Personality AND Leadership in Education**

Course Code: **D360**

Sl.No.	On completing the course, the student will be able to:	PSOs addressed	Cognitive levels
<b>CO1</b>	Indicate the factors affecting development of personality.	<b>1,2,6</b>	<b>R,U</b>
<b>CO2</b>	Assess the implications of theories of personality and intelligence.	<b>2,3,4</b>	<b>E</b>
<b>CO3</b>	List methods of measuring individual differences; and outline significance of the study of individual differences in health and sickness.	<b>1,2,6</b>	<b>U, Ap</b>
<b>CO4</b>	Explain theories of leadership and styles of leaders.	<b>2,3,6</b>	<b>U, Ap, An</b>
<b>CO5</b>	Appraise the relevance of various theories of personality in day to day life situations.	<b>3,4</b>	<b>U,E</b>

## **SEMESTER-V**

**Course Title: “EDUCATIONAL TECHNOLOGY AND EVALUATION” (Compulsory)**

**Course Code: E450**

<b>Sl.No.</b>	<b>On completing the course, the student will be able to:</b>	<b>PSOs addressed</b>	<b>Cognitive levels</b>
<b>CO1</b>	Define the concept of Evaluation in the context of Educational Technology.	<b>1,5</b>	<b>R,U</b>
<b>CO2</b>	Analyse different types of programme evaluation.	<b>2,3,4</b>	<b>An, E</b>
<b>CO3</b>	Appreciate different kinds of studies on evaluation of Educational technology.	<b>1,2,3,5</b>	<b>R,U,</b>
<b>CO4</b>	Plan evaluation studies in Educational Technology on your own.	<b>1,3,5,6</b>	<b>U,E</b>

**Course Title: “EDUCATIONAL RESEARCH & statistics” (OPTIONAL-B)**

**Course Code: E460**

<b>Sl.No.</b>	<b>On completing the course, the student will be able to:</b>	<b>PSOs addressed</b>	<b>Cognitive levels</b>
<b>CO1</b>	Demonstrate the meaning and process of research in education.	<b>3,4,6</b>	<b>R,U, C</b>
<b>CO2</b>	Explain and critique the pivotal statistical reasoning techniques related to a research problem.	<b>2,3,4</b>	<b>U, Ap ,An</b>
<b>CO3</b>	Gain the knowledge to solve about Measures of tendencies.	<b>2,3,4</b>	<b>R,U,E</b>
<b>CO4</b>	Solve the statistical problems.	<b>3,6</b>	<b>Ap, E</b>

**SEMESTER-VI****Course Title: "GREAT EDUCATORS" (COMPULSORY)****Course Code: F450**

Sl.No.	On completing the course, the student will be able to:	PSOs addressed	Cognitive levels
<b>CO1</b>	Gain knowledge about: Rousseau. Frobel & Montessori	<b>1,2</b>	<b>R,U</b>
<b>CO2</b>	Get knowledge about Rabindranath Tagore. Basaveshwar & Akkamahadevi	<b>2,3</b>	<b>R,U</b>
<b>CO3</b>	Appreciate the contributions to education of Indian and Western philosophers.	<b>1,3,4,6</b>	<b>R,U, An</b>
<b>CO4</b>	Gain information about Anubhav Mantapa, Shantiniketan-Vishwabharati.	<b>1,2,5</b>	<b>R,U</b>

**Course Title: "CONTEMPORARY ISSUES IN EDUCATION" (OPTIONAL)****Course Code: F460**

Sl.No.	On completing the course, the student will be able to:	PSOs addressed	Cognitive levels
<b>CO1</b>	Illustrate the strategies for the promotion of environmental education.	<b>1,2,4,6</b>	<b>U, Ap, An</b>
<b>CO2</b>	Predict consequences of environmental degradation.	<b>2,3,5,6</b>	<b>U, Ap, E</b>
<b>CO3</b>	Analyse education - as a commodity and a service.	<b>3,4,6</b>	<b>U, An</b>
<b>CO4</b>	Illustrate the concepts, aims and objectives of value education.	<b>2,3,6</b>	<b>U, Ap, An</b>



## **DEPARTMENT OF PSYCHOLOGY**

### **PROGRAMME SPECIFIC OUTCOMES (PSOs)**

Sr.No	On completing BA Psychology,the student will be able to:
PSO 1	Understand the basic processes perceptual processes of sensation,concepts of learning & biological processes in everyday life
PSO 2	Understand the basic psychological processes & their applications in everyday life
PSO 3	Understand how human life unfolds from conception to late childhood & the relationship between theory and applications within each domain of development
PSO 4	Understand adjustments & developments from puberty to death
PSO 5	Understand the basics & applications of social & industrial psychology at work place
PSO 6	To develop an understanding of health & how to maintain health and well-being

## **COURSE OUTCOMES (Cos): BA PSYCHOLOGY**

### **Semester 1**

**Course title-FOUNDATIONS OF PSYCHOLOGY**

**Course code-A480**

Sr.No	On completing the course,the student will be able to:	PSOs addressed	Cognitive levels
CO1	Describe the methods of psychology,compare types & describe case studies	2,5	R,U
CO2	Define Neuron & describe the structure & functions of Neuron,analyze the functional effects on behaviour	1,2,4	R,An
CO3	Describe functions of five basic sensations &classify types of senses	1,4,5	R,U,C
CO4	Analyze about learning,discriminate types of learning,enumerate Bandura's theory	2,4	R,An

**Course title-Psychology Practicals**

**Course code-A482**

Sr.No	On completing the course,the student will be able to:	PSOs addressed
CO1	Know about directed observation on the accuracy of report,span of attention	1,2
CO2	Get information about colour blindness,Mulley-Lyer illusion,Size-weight illusion	3,5

## Semester 2

**Course title-BASIC PSYCHOLOGICAL PROCESSES**

**Course code-B480**

Sr.No	On completing the course,the student will be able to:	PSOs addressed	Cognitive levels
CO1	Gain knowledge of the memory & meaning, realize the need & importance of assessment of memory	1,2,3,6	R,U,An
CO2	They get the information motivation & emotion in detail	1,3,4,5	R,C
CO3	They gain the importance of intelligence,theories ,tests related to it & types	2,3,5	R,U,An,E
CO4	They get the knowledge about Personality	1,2,6	R,An,E

**Course title-Psychology Practicals**

**Course code-B482**

Sr.No	On completing the course,the student will be able to:	PSOs addressed
CO1	Perform intelligence tests, personality tests, sentence completion test	1,2
CO2	Know meaning of retention and recall & recognition	3,5

## Semester 3

**Course title-DEVELOPMENTAL PSYCHOLOGY**

**Code code-C480**

Sr.No	On completing the course,the student will be able to:	PSOs addressed	Cognitive levels
CO1	Recognize the concepts of human development & methods	2,3,5	R,U
CO2	Making the students to understand the meaning of prenatal life & its stages	1,2	R,U
CO3	To bring the knowledge about infancy in detail	1,2,6	R,C
CO4	To give the information about babyhood in detail	1,3,5	U,An,C
CO5	To make the students understand about tasks,speech development,problems of childhood	1,2	R,U

**Course title-Psychology Practicals**

**Course code-C482**

Sr.No	On completing the course,the student will be able to:	PSOs addressed
CO1	Know about adjustment inventory,concept formation	1,2
CO2	Perform verbal reasoning test & world building test	3,5
CO3	Know about parent-child relationship	1,2

## Semester 4

Course title-**DEVELOPMENTAL PSYCHOLOGY**

Course code-**D480**

Sr.No	On completing the course,student will be able to:	POs addressed	Cognitive levels
CO1	Describe characteristics,changes & hazards of puberty & adolescence and analyse about society	2	R,An
CO2	Collect some information about adulthood,understand & describe about its adjustments	1,2	R,U,A,
CO3	Get to know about changes in middle age and describe about vocational adjustments	2,6	A,R,U
CO4	Define & discuss about old age & analyze old-age problems	1,2	R,U,An

Course title-**Psychology Practicals**

Course code-**D482**

Sr.No	On completing the course,the student will be able to:	PSOs addressed
CO1	Know about marital adjustment inventory,self concept inventory	1,2
CO2	Perform subject well being test	3,5
CO2	Know about vocational interest blank & mental health check list	1,2

## Semester 5 (5.1)

Course title-**SOCIAL PSYCHOLOGY**

Course code-**E610**

Sr.No	On completing the course,the students will be able to:	POs addressed	Cognitive levels
CO1	Identify nature & scope of psychology & combine different methods of it	6,5	R,C
CO2	Describe & define social perception,categorize theories & analyze perception	2,1,5,2	R,,U,R,An,An
CO3	Enumerate process of socialization & describe importance of case studies,socialization	4,2,8	R,U,R
CO4	Define attitude & classify its theories	1,6	R,An
CO5	Get the knowledge & importance of pro-social behaviour & bystander effect		R,U,An,E

Course title-**Psychology Practicals**

Course code-**E612**

Sr.No	On completing the course,the student will be able to:	PSOs addressed
CO1	Get information about social distance scale & pro-social behaviour	1,2
CO2	Know about Stereotypes & attitude change	1,2
CO3	Compete on work performance	2,3

## Semester 5 (5.2)

Course title-**INDUSTRIAL PSYCHOLOGY**

Course code-**E620**

Sr.No	On completing the course,the student will be able to:	PSOs addressed	Cognitive levels
CO1	Describe the goals of industrial psychology,classify and observe motion study and hawthorne study	2,5,13	R,U,R
CO2	Analyze the jobs & define,enumerate about check lists & interviews	2,1,4	An,R,R
CO3	Define training,classify methods,formulate class-room lectures & conferences	1,4,15	R,U,C
CO4	Define & Analyze about leadership & motivation,enumerate about cognitive learning	1,2,4	R,An,R
CO5	Understand about industrial incentives& morale	2,3,5	R,U,An

Course title-**Psychology Practicals**

Course code-**E623**

Sr.No	On completing the course,the student will be able to:	PSOs addressed
CO1	Perform clerical aptitude test,finger-dexterity test,tweezer's dexterity test,mechanical aptitude test	3,5
CO2	Know about need for achievement	1,2

## Semester 6 (6.1)

Course title-**ABNORMAL PSYCHOLOGY**

Course code-**F610**

Sr.No	On completing the course,the student will be able to	PSOs addressed	Cognitive levels
CO1	Gain knowledge of the concept & meaning of abnormality, realize deviations from ideal & importance of classifications	1,2,3,6	R,U,An
CO2	They get the information about psychological models of abnormality	1,3,4,5	R,C
CO3	They gain the information of anxiety & personality disorders	2,3,5	R,U,An,E
CO4	They get the knowledge about symptoms, types & causes of schizophrenia and paranoid disorders	1,2,4,5,6	R,An,E
CO5	They gain the importance of substance abuse	2,3,5	R,U,An,E

Course title-**Psychology Practicals**

Course code-**F612**

Sr.No	On completing the course,the student will be able to:	PSO addressed
CO1	Know about personality inventory, security-insecurity inventory	1,2
CO2	Know about measurement of anxiety scale & cyclothyme-schizothyme inventory	1,2



## Semester 6 (6.2)

**Course title-COUNSELLING PSYCHOLOGY**

**Course code-F620**

Sr.No	On completing the course,the student will be able to:	PSOs addressed	Cognitive levels
CO1	Recognize the concepts of counselling & guidance	2,3,5	R,U
CO2	Making the students to understand the professional issues & approaches to counselling	1,2	R,U
CO3	To bring the knowledge about counselling process	1,2,6	R,C
CO4	To give the information about tests in counselling	1,3,5	U,An,C
CO5	To make the students understand about applications of counselling	1,2	R,U

**Course title-Psychology Practicals**

**Course code-F622**

Sr.No	On completing the course,the student will be able to:	PSO addressed
CO1	Know about guidance need inventory,youth problem inventory	1,2
CO2	Perform test of inferiority complex	3,5
CO3	Get information about dimensions of temperament,aassessment of stress	1,2

## DEPARTMENT OF ECONOMICS

### Programme: B.A. ECONOMICS

#### Programme Specific Outcomes (PSOs) for B.A. ECONOMICS

Sl. No.	On completion B.A. ECONOMICS course students will be able to:
PSO 1	Students will be able to pinpoint and understand the past, and present economic conditions of the country.
PSO 2	Students will be able to forecast the future course of changes and development through their knowledge of policies and programs set by the government.
PSO 3	Students are equipped with the techniques to find solution of the economic problems.
PSO 4	It enhances them to compute and assess the real situation of the economy.
PSO 5	Students are effectively taught and explained the course with white board presentation to visualize the real world situation and enhance them to initiate the programs for pursuing studies and be alert with the importance of entrepreneur skills for their self -employment to improve the living conditions of the masses.
PSO 6	Students equipped with relevant knowledge based on economic principles including market functions structures and efficiency in manpower and resources management need of credit for initiating and accelerating projects.

## Course outcomes {Cos}: BA. ECONOMICS

### Semester I

**COURSE TITLE MICRO ECONOMICS -I**

**Course code : A350**

<b>S.NO</b>	<b>On completing the course, the student will be able to:</b>	<b>PSOs Addressed</b>	<b>Cognitive levels</b>
<b>1</b>	<b>CO1:</b> Develop the ideas Through the development of an understanding of micro Economics theories.	<b>1, 2,6</b>	<b>R , U, Cr</b>
<b>2</b>	<b>CO2:</b> Able to know the basic knowledge of economics.	<b>1, 2,3</b>	<b>R, U, Ap</b>
<b>3</b>	<b>CO3:</b> To enable students the micro foundation of economics.	<b>2, 3, 5</b>	<b>U, Ap, E</b>
<b>4</b>	<b>CO4:</b> To enable the students to appreciate the utility of economics in day -to- day life	<b>2, 3, 5, 6</b>	<b>U, Ap, E, Cr</b>

## Semester II

### COURSE TITLE: MICROECONOMICS -II

Course code : B350

S.NO	On completing the course, the student will be able to:	PSOs Addressed	Cognitive levels
1	C.O.1] To enable the Students to understand the basic concepts of microeconomics	1, 2, 3	R, U, Ap
2	C.O.2] Students are enabled to understand theories with tables and diagrams.	2, 3, 4	U, Ap, An
3	C.O.3] Finding out price fluctuation of a particular commodity for a specific period.	3, 4, 5, 6	Ap, An, E, Cr
4	C.O.4] To enlighten the students on product pricing and factor pricing process.	2, 3, 6	U, Ap, Cr
5	C.O.5] To enable the students to gather market information from newspapers or media.	2, 3, 5	U, Ap, E

### Semester III

#### COURSE TITLE: MACROECONOMICS

Course code : C350

S.NO	On completing the course, the student will be able to:	PSOs Addressed	Cognitive levels
1	c.o.1] To understand the students the macro foundation of economics.	1, 2, 3	R, U, AP
2	c. o.2] To help the students to understand the working of a modern economy.	1, 2, 4, 5	R, U, An, E
3	C.O.3] To enable the basis of classical , Keynesian and Neo - classical macro economics.	1, 2. 3	U, R, Ap
4	C.O.4] To help the students to appreciate the role of government.	2, 4, 5	U, An, E

### Semester IV

#### COURSE TITLE ECONOMICS OF MONEY AND BANKING

Course code : D350

S.NO	On completing the course, the student will be able to:	PSOs Addressed	Cognitive levels
1	C.O.1] To understand the basic concepts of money and banking.	1, 2, 3	R, U, Ap
2	C.O.2] Students enable to know about working of different types of banks	1, 2, 4,	R, U, An
3	C.O.3] Students enable to understand the construction of index numbers from the collected data for a specific period (wholesale and Retail prices)	2, 3, 4	, U, Ap, An
4	C.O.4] To enable the students to understand the impact of inflation on different sections of the society.	1, 2, 4, 5	R, U, An, E

## Semester V

### COURSE TITLE: INDIAN ECONOMY -I (COMPULSORY)

Course code : E430

S.NO	On completing the course, the student will be able to:	PSOs Addressed	Cognitive levels
1	C.O1] To enable students to have an overview of the working of the Indian economy.	1, 2, 3	R, U, Ap
2	C.O2] To enable students to understand the changing trends in the Indian economy.	1, 2, 4,	R, U, An.,
3	C.O.3] To enable students to understand the leading issues in India's economic development.	1, 2, 5	R, U, E

### COURSE TITLE: INTERNATIONAL ECONOMICS

Course code: E440

S.NO	On completing the course, the student will be able to:	PSOs Addressed	Cognitive levels
1	C.O.1] To enable the students to learn the fundamental theories of International trade.	1, 2, 3.	R, U, Ap
2	C.O.2] To enable the students to apply the knowledge gained from the study of micro and macro economics in the field of international economics.	1, 2, 3	R, U, Ap
3	C.O.3] To enable the students to understand the international trade system as it exists today.	2, 5	, U, E

## Semester VI

### COURSE TITLE : INDIAN ECONOMY II

Course code: F430

S.NO	On completing the course, the student will be able to:	PSOs Addressed	Cognitive levels
1	C.O.1] To enable students to have an overview of the different sectors of the Indian economy.	1, 2, 3	R, U, Ap
2	C.O.2] To enable students to understand the aspects changing in the Indian economy.	2, 3, 5	U, Ap, E
3	C.O.3] To enable students to understand the current issues in the Indian economy.	2, 3, 5	U, Ap, An

### COURSE TITLE: PUBLIC ECONOMICS

Course code: F440

S.NO	On completing the course, the student will be able to:	PSOs Addressed	Cognitive levels
1	C.O.1] Students are able to understand the difference between public, private and merit goods.	1, 2, 3	R, U, Ap
2	C.O.2] students are able to know the public revenue , public expenditure and public debt.	1,2, 3	R, U, Ap
3	C.O.3] students are able to understand the preparation of the budget.	1, 2, 3, 4, 5, 6	R, U, Ap, An, E, Cr
4	C.O.4] Students are able to understand the changing role and economic functions of government.	1, 2, 4	R, U, An,



## **DEPARTMENT OF SOCIOLOGY**

### **PROGRAMME SPECIFIC OUTCOMES (PSOs):**

Sl.No.	On Completing B.A. Sociology, the student will be able to:
<b>PSO 1.</b>	State the meaning of sociological aspect of foundation in sociology.
<b>PSO 2.</b>	Discuss the nature of Sociology demonstrate the ability to interpret, locate, evaluate, generate, and use of sociological relevant data etc., Draw <b>evidence</b> -based conclusions.
<b>PSO 3.</b>	Write clearly expressing an Sociological point of view.
<b>PSO 4.</b>	Analyze ancient, medieval, modern and contemporary social problems. Social institutions from <u>an</u> sociological perspective.
<b>PSO 5.</b>	Understand the Sociology way of thinking. Comparing with Social life.
<b>PSO 6.</b>	Explain of sociological, perspective broadly defined use sociological theory to explain social problems and issues..

## Course Outcomes in Sociology

**B.A. Ist sem Course Title : Principles of Sociology.**

**Course code – A 510**

<b>Sl.No</b>	<b>Able to on the completing the course, the student will be</b>	<b>PSOs Addressed</b>	<b>Cognitive Levels</b>
C.O.1	Able to development of an understanding of sociological theories.	1,2,3	R,U
C.O.2	Able to know the basic knowledge of sociology.	1,3	R,U,Ap
C.O.3	Students develop the approach of sociology from other social sciences.	4,5	An,Ev
C.O.4	Analyse the dynamics of sociology.	4,5,6	U,Ap,An

**B.A. IInd sem CourseTitle: Study of Indian Sociology.**

**Course code – B 510**

<b>Sl.No</b>	<b>Able to on the completing the course, the student will be</b>	<b>PSOs Addressed</b>	<b>Cognitive Levels</b>
C.O.1	Useful topic to understand Indian society.	1,2,3	R,U,Ap
C.O.2	Understand the Hindu and Muslim, institutions and social organizations.	1,2	R,U
C.O.3	Able to know about the characteristics of & problems of different classes of Indian society.	2,3,4	U,Ap,An
C.O.4	Describe the economics & political institution of Indian society.	2,4,5	U,An,Ev
C.O.5	Develop the knowledge about Indian social traditions, culture etc	3,4,6	Ap,An,C

**B.A. IIIrd sem CourseTitle: Foundations of sociological thought: The pioneers.**

**Course code – C510**

<b>Sl.No</b>	<b>Able to on the completing the course, the student will be</b>	<b>PSOs Addressed</b>	<b>Cognitive Levels</b>
C.O.1	Understand the contribution of pioneers and memorize.	1,2	R, U
C.O.2	Students able to acquaint with ancient social thought.	1,2	R, U
C.O.3	Justify different approaches of western thinkers & conducting a test.	2,4,5	U, An,E
C.O.4	Structure a plan for the relevance of sociological thought in the modern society.	2,4,5,6	U, An, Ev,C

**B.A.IVth sem Course Title: Study of Indian social thought.**

**Course code – D510**

<b>Sl.No</b>	<b>Able to on the completing the course, the student will be</b>	<b>PSOs Addressed</b>	<b>Cognitive Levels</b>
C.O.1	Students will be eligible to gain knowledge about Indian thinkers.	1,2	R,U
C.O.2	Develop an awareness of Indian philosophy and the subject.	2,3,4	U,Ap,An
C.O.3	Students able to analyse ancient social thought.	2,4	U,An
C.O.4	To develop the ability to express their views on the need for social thinking in modern society.	4,5,6	An,Ev,C

**B.A.Vth sem CourseTitle: Contemporary social problems.[Compulsory]****Course code – E650 (5.1)**

<b>Sl.No</b>	<b>Able to on the completing the course, the student will be</b>	<b>PSOs Addressed</b>	<b>Cognitive Levels</b>
C.O.1	Students able to identity the problems and their causes.	1,2	R,U
C.O.2	Analysing the impact of social problems on society.	3,4,5	Ap,An,E
C.O.3	To develop the objective of eliminating the problems and make them work in that direction.	3,4,5,6	Ap,An,E,C
C.O.4	Helping to find solutions to problems.	5,6	Ev,C

**B.A.Vth sem Course Title: Population problem in India.[optional]****Course code – E660 (5.2)**

<b>Sl.No</b>	<b>Able to on the completing the course, the student will be</b>	<b>PSOs Addressed</b>	<b>Cognitive Levels</b>
C.O.1	Students are eligible to know population growth.	1,2	R,U
C.O.2	Understand the composition of the population.	1,2	R,U
C.O.3	Analysing the impact of overpopulation on society..	4,5,6	An,Ev,C
C.O.4	Able to helping to find a solution	2,4,5	U,An,Ev

**B.A.VIth sem Course Title:Rural development in India.[Compulsory]****Course code – F650 (6.1)**

<b>No</b>	<b>Able to on the completing the course, the student will be</b>	<b>PSOs Addressed</b>	<b>Cognitive Levels</b>
C.O.1	To understand rural social life.	1,2	R,U
C.O.2	Able to Construct to revitalize rural community enterprises.	2,3	U,Ap
C.O.3	To develop spirit of participation in the work of providing basic infrastructure to the rural society.	2,3	U,Ap
C.O.4	Guiding rural people to develop leadership qualities.	4,5,6	An,Ev,C

**B.A.VIth sem Course Title:Industrial sociology.[optional]****Course code – F660 (6.2)**

<b>No</b>	<b>Able to on the completing the course, the student will be</b>	<b>PSOs Addressed</b>	<b>Cognitive Levels</b>
C.O.1	Understanding industrial sociology.	1,2	R,U
C.O.2	Able to know the responsibilities of workers and employers.	2,3	U,Ap
C.O.3	Analysing the problems of industrial society.	2,3,4	U,Ap,An
C.O.4	Ready to put your own effort in solving problems	4,5,6	An,Ev,C

## **Department of Hindustani Music**

### **Programme: B A Hindustani Music**

#### **Programme Specific Outcome ( PSOs ) for B.A Hindustani Music**

On completing B A Hindustani Music the student will be able to;

**PSO 1:** The student is able to give a practical, demonstration of raag for a period of at least fifteen (15) minutes.

**PSO 2:** The student is able to demonstrate various aspects of raag.

**PSO 3:** The study about the theoretical aspect of the prescribed raag.

**PSO 4:** Learn to write the Bandish in Swaralipi system.

**PSO 5:** The student study about the origin of development of music in various period.

**PSO 6:** To make a detail study about Talalipi system.

**PSO 7:** The student is able to demonstrate various aspects of tala.

## **Course Outcome ( C O S ).. B A Hindustani Music**

### **B A I Sem**

**Course Title Hindustani Music**

**Course Code – Th- A410**

<b>Sl No</b>	<b>On completing the course of the student will be able to,</b>	<b>PSO Addressed</b>	<b>Cognitive level</b>
CO 1	The student is able to perform sarali, janti swara, alankar and chota khayal	1 4 3	U R
CO 2	The student is able to give a practical demonstration of tala	6 7	U R
<b>Pra- A412</b>			
CO 1	The student is able to study about the origin of the music	5	U R

### **B A II Sem**

**Course Title Hindustani Music**

**Course Code – Th – B410**

<b>Sl No</b>	<b>On completing the course of the student will be able to,</b>	<b>PSO Addressed</b>	<b>Cognitive level</b>
CO 1	The student is able know about the history of vedic period	5	U R
<b>Pra – B412</b>			
CO 1	The student is able to perform simple paltas in teental	6 7	U R
CO 2	The student is able to perform bada khayal and chota khayal	3 4	U R

### **B A III Sem**

**Course title – Hindustani Music**

**Course Code Th-C410**

<b>Sl No</b>	<b>On completing the course of the student will be able to,</b>	<b>PSO Addressed</b>	<b>Cognitive level</b>
CO 1	To gain knowledge about the mughal period	5	U R
<b>Pra- C412</b>			
CO 1	The student is able to study about the theoretical aspects of the prescribed raag	2 3	U R An
CO 2	The student comes to know about the historical background of the raag	2 3	U R An

**B A IV Sem****Course title Hindustani Music****Course Code Th – D410 Pra D412**

<b>Sl No</b>	<b>On completing the course of the student will be able to,</b>	<b>PSO Adressed</b>	<b>Cognitive level</b>
CO 1	The student study about the khayal	4 6	U R An E
<b>Pra D412</b>			
CO 1	The student is able to give a practical demonstration of prescribed raga	2 3	U R An E
CO 2	The student is able to understand the basic knowledge of taal 6 7 U R Ap An E	6 7	U R An E

**B A V Sem****Course title Hindustani Music****Course Code Th- E510**

<b>Sl No</b>	<b>On completing the course of the student will be able to,</b>	<b>PSO Adressed</b>	<b>Cognitive level</b>
CO 1	The student know about the origin and development of music during Jainism and buddhism	5	U R An E
<b>Pra – E512</b>			
CO 1	The student will able to give a practical demonstration of the prescribed raag	2 3	U R An E
CO 2	The student will be able to give a practical demonstration prescribed taal	6 7	U R An E

**B A V Sem****Course title Hindustani Music****Course Code Th- E520**

<b>Sl No</b>	<b>On completing the course of the student will be able to,</b>	<b>PSO Adressed</b>	<b>Cognitive level</b>
CO 1	The Student know about writing bada khayalin swaralipi system and taal as in Taal lipi system.	5 6	U R An Ap E
<b>Pra – E512</b>			
CO 1	The student will able to give a practical demonstration of the prescribed raag	2 3	U R An Ap E
CO 2	The student will be able to give a practical demonstration prescribed taal	6 7	U R An Ap E



**B A VI Sem****Course title Hindustani Music****Course Code Th- F510**

<b>Sl No</b>	<b>On completing the course of the student will be able to,</b>	<b>PSO Adressed</b>	<b>Cognitive level</b>
CO 1	The student study about the music in modern period	5	U R An Ap E
<b>Pra – F512</b>			
CO 1	The student is able to give a practical demonstration of light music	1	U R An Ap E C
CO 2	The student to write badakhyaal in swaralipi system	1 2 3 4 5 6	U R An Ap E C

**B A VI Sem****Course title Hindustani Music****Course Code Th- F520**

<b>Sl No</b>	<b>On completing the course of the student will be able to,</b>	<b>PSO Adressed</b>	<b>Cognitive level</b>
CO 1	The student study about the Vadi notes in music	5	U R Ap An E
<b>Pra – F512</b>			
CO 1	The student is able to give a practical demonstration of light music	1	U R An Ap E C
CO 2	The student to write bada khayal in taala lipi system	1 2 3 4 5 6 7	U R An Ap E C

**HKE Society's**

**Smt. Veeramma Gangasiri College For Women, Kalaburagi**

**DEPARTMENT OF HISTORY**

**PROGRAMME SPECIFIC OUTCOMES (PSOs)**

<b>No.</b>	<b>On Completing B.A. History , the student will be able to ;</b>
PSO 1	Define and understand the Social , Economic , religious , political and cultural history of ancient India.
PSO 2	Students will be able to get a comprehensive knowledge about the glory of the ancient period.
PSO 3	This programme will collect the information about the ITDC , the role of travel agency and also world heritage sites of medieval India.
PSO 4	Examine the different conditions of the medieval period and specially focus on architectural heritage of India.
PSO 5	Criticized the advent of Europeans , expansionist policy of British and promote to interest in the discipline of history
PSO 6	<p>To develop comparative study of other countries like Europe etc.</p> <ul style="list-style-type: none"><li>• <b>Justify</b> The sources for the reconstruct the history of Karnataka , It create national feeling and patriotism.</li><li>• Prepare for various types of competitive examinations.</li></ul>

**Course Outcomes (CO's) : B.A History****SEMESTER-I****Course Title : Ancient Indian History (From Beginning to Kushanas )****Course Code :A420**

<b>Sl.No.</b>	<b>On Completing the course , the student will be able to</b>	<b>PSOs addressed</b>	<b>Cognitive levels</b>
CO 1	Remember and Understand the basic concepts of History and The different sources for the writing the History of Ancient India.	1 2	R U
CO 2	Understand knowledge about the political , social , religious and economic conditions of the early and later Vedic period	2	U
CO 3	Understand the events of the past and collect the information about cultural contributions of ancient period.	2 3	U C
CO 4	Remember and classify the art and architecture of ancient India	1 2	R C
CO 5	Analyze and Create the knowledge about tourism and important historical sites	4 6	A C

**Course Outcomes (CO's) :B.A.History****SEMESTER-II****Course Title : Ancient Indian History (From Guptas to 1206 A.D )****Course Code : B420**

<b>Sl. No.</b>	<b>On Completing the course , the student will be able to</b>	<b>PSOs addressed</b>	<b>Cognitive levels</b>
CO 1	The course will understand as agriculture , Industry , Trade development , science and technology of ancient India	2	U
CO 2	The students will be able to analyze the administrative system from Guptas to 1206 A.D	4	A
CO 3	The students will be able to remember and understand cultural glory of ancient India	1 2	R U
CO 4	Evaluate the Indian History changed after foreign invasions	5	E
CO 5	Create knowledge about the government projects , monuments and conservation of cultural Heritage.	6	C

**Course Outcomes (CO's) :B.A. History**  
**SEMESTER-III**

**Course Title : Medieval Indian History (From 1206 to 1526 A.D )**

**Course Code : C420**

<b>Sl. No.</b>	<b>On Completing the course , the student will be able to</b>	<b>PSOs addressed</b>	<b>Cognitive levels</b>
CO 1	Remember and understand the political , social economic , religious conditions of medieval India	1 2	R U
CO 2	Analyze the historical Background of the Muslim invasions	4	A
CO 3	Understand the consolidation of the power under Delhi sultanate.	2	U
CO 4	Analyze and evaluate the contributions of Delhi Sultanate in the field of Art and Architecture	4 5	A E
CO 5	Remember and Understand The causes of the decline of Delhi sultanate	1 2	R U

**Course Outcomes (CO's) :B.A. History**  
**SEMESTER-IV**

**Course Title : Medieval Indian History (From 1526 to 1707 A.D )**

**Course Code : D420**

<b>Sl. No.</b>	<b>On Completing the course , the student will be able to</b>	<b>PSOs addressed</b>	<b>Cognitive levels</b>
CO 1	The students will be able to get the knowledge and understand the different conditions of Medieval India from 1526 to 1707	2	U
CO 2	Analyze the Career and achievements of the important sultans of Mughal dynasty	4	A
CO 3	Analyze and evaluate the cultural progress during the medieval period	4 5	A E
CO 4	To understand the Bhakti movement of medieval India.	2	U
CO 5	Evaluate the information about impact of tourism , socio , physical , Environment and on Indian Economy	5	E

**Course Outcomes (CO's) :B.A. History****SEMESTER-V****Course Title : Modern Indian History (Paper 5.1) (Compulsory )(From 1707 to 1856 A.D)****Course Code : E530**

<b>Sl. No.</b>	<b>On Completing the course , the student will be able to</b>	<b>PSOs addressed</b>	<b>Cognitive levels</b>
CO 1	Remember and understand the advent of Europeans and How British established their power in India	1 2	R U
CO 2	The course aims to give the students analyze about the expansionist and imperialistic policy of the British	4	A
CO 3	The students will be able to evaluate the reforms of the British Governor- Generals from 1757 to 1856	5	E
CO 4	Create the knowledge about the disciplines of History	6	C
CO 5	Analyze and Evaluate the British relations with the Indian rulers	5 6	E C

**Course Outcomes (CO's) :B.A. History****SEMESTER-VI****Course Title:History of Karnataka (From early period to 1336 A.D)(paper 5.2) (Optional)****Course Code : E530**

<b>Sl. No.</b>	<b>On Completing the course , the student will be able to</b>	<b>PSOs addressed</b>	<b>Cognitive levels</b>
CO 1	Remember and understand the knowledge about the geography of Karnataka	1 2	R U
CO 2	Analyze the sources of Karnataka History	4	A
CO 3	Evaluate the cultural glory of the ancient Karnataka	5	E
CO 4	The students will be able to analyze and Evaluate the political , economic , social , religious and cultural History of Karnataka from early period to 1336 A.D.	4 5	A E
CO 5	To create the knowledge and interest about the establishment of K.S.T.D.C.	6	C

**Course Outcomes (CO's) :B.A. History**  
**SEMESTER-VI**

**Course Title: Modern Indian History (Paper 6.1) (Compulsory ) (From 1857 to 1948 A.D)**  
**Course Code : F530**

<b>Sl. No.</b>	<b>On Completing the course , the student will be able to</b>	<b>PSOs addressed</b>	<b>Cognitive levels</b>
CO 1	Understand and Analyze the first war of Independence (1857 revolt or Mutiny ) against the British supremacy in 1857A.D	2 4	U A
CO 2	It provides the knowledge to understand the India under British crown	2	U
CO 3	Analyze and Evaluate the Indian renaissance movement of the 19th century	4 5	A E
CO 4	Understand and Evaluate the various phases of freedom movement of India	2 5	U E
CO 5	The students will be able to analyze about the constitutional Development Acts	4	A

**Course Outcomes (CO's) :B.A. History**  
**SEMESTER-VI**

**Course Title: History of Karnataka(From post Vijayanagar to 1956 A.D)(paper 6.2) (optional)**  
**Course Code : F540**

<b>Sl. No.</b>	<b>On Completing the course , the student will be able to</b>	<b>PSOs addressed</b>	<b>Cognitive levels</b>
CO 1	Remember and understand the minor dynasties of Karnataka	1 2	R U
CO 2	Apply the restoration of Mysore from British	3	A
CO 3	Understand and Analyze about the commissioner's rule and modernization of Mysore	2 4	U A
CO 4	Evaluate the Freedom struggle in Karnataka	5	E
CO 5	A course will Create interest in Beaches , Birds and wild life sanctuaries	6	C

# Department of Kannada

## Programme Specific Outcome (PSOs) for B.A Basic Kannada

Sr.No	On completing B.A Basic Kannada, the student will be able to :
PSO 1	ಕನ್ನಡ ಭಾಷೆಯ ಹಾಗೂ ಸಾಹಿತ್ಯದ ಪ್ರಾಚೀನತೆ ಕಂಡುಕೊಳ್ಳುವಲ್ಲಿ ಶಾಸನ, ಅಲಂಕಾರ ಗ್ರಂಥಗಳು ಮೂಲಾಧಾರವಾಗಿರುವುದನ್ನು ತಿಳಿದುಕೊಳ್ಳುತ್ತಾರೆ.
PSO 2	ಕವಿರಾಜಮಾರ್ಗದ ಪರಿಚಯ ಹಾಗೂ ಕನ್ನಡದ ಕಾವ್ಯ ಸ್ವರೂಪ, ಲಕ್ಷಣಗಳನ್ನು ತಿಳಿದುಕೊಳ್ಳುವುದರಿಂದ ಸೃಜನಶೀಲ ಕಾರ್ಯಕ್ಕೆ ಅನುಕೂಲವಾಗುವುದು.
PSO 3	ಸಾಹಿತ್ಯ ಮತ್ತು ಕವಿ ಪರಿಚಯದಿಂದ ವಿವಿಧ ಸಾಹಿತ್ಯ ಪ್ರಕಾರ ಮತ್ತು ಕವಿಯ ಜೀವನ ಮತ್ತು ಸಾಹಿತ್ಯಿಕ ಸಾಧನೆಯ ಜ್ಞಾನ ಪಡೆದುಕೊಳ್ಳುವರು.
PSO 4	ಕನ್ನಡ ನಾಡು ನುಡಿಯ ಅಭ್ಯಾಸದಿಂದ ಕನ್ನಡಿಗರ ಸಾಂಸ್ಕೃತಿಕ ಪರಂಪರೆ ತಿಳಿದುಕೊಳ್ಳುವರು.
PSO 5	ಪಂಪಯುಗದ ರತ್ನತ್ರಯರು ಹಾಕಿಕೊಟ್ಟ ಚಂಪೂಮಾರ್ಗ ಕೃತಿಗಳನ್ನು ಅಧ್ಯಯನ ಮಾಡುವುದರಿಂದ ಅಭಿಜಾತ ಸಾಹಿತ್ಯವನ್ನು ಅರ್ಥೈಸಿಕೊಳ್ಳುವ ಸಾಮರ್ಥ್ಯ ಲಭ್ಯವಾಗುವುದು.
PSO 6	ನಡುಗನ್ನಡ ವಚನಕಾರರ ಜೀವನ ಸಾಧನೆಗಳಿಂದ ಆಧ್ಯಾತ್ಮಮಾರ್ಗದ ಪರಿಚಯವಾಗಿ ನೈತಿಕ ಮೌಲ್ಯಗಳನ್ನು ಹೆಚ್ಚಿಸಲು ಸಾಧ್ಯವಾಗುವುದು.
PSO 7	ಆಧುನಿಕ ಜೀವನ ಶೈಲಿ ಮತ್ತು ನವೀನ ಭಾವಗಳ ನಿಷ್ಪನ್ನತೆಯಿಂದ ಆಧುನಿಕ ಸಂವೇದನೆಗಳನ್ನು ಅರ್ಥಮಾಡಿಕೊಳ್ಳುವ ಹಾಗೂ ಸಾಂದ್ರತೆಗೊಳಿಸುವ ಶಕ್ತಿಯನ್ನು ವಿದ್ಯಾರ್ಥಿಗಳು ಪಡೆದುಕೊಳ್ಳುತ್ತಾರೆ.
PSO 8	ದಾಸ ಸಾಹಿತ್ಯದ ಓದಿನಿಂದ ತತ್ವಗ್ರಾಹ, ಭಕ್ತಿ ಸಹೃದಯನಲ್ಲಿ ನಿಷ್ಪನ್ನಗೊಳ್ಳುವುದರಿಂದ ಮನಸ್ಸು ಮತ್ತು ಬುದ್ಧಿಯ ಸಮತೋಲನ ಕಾಯ್ದುಕೊಂಡು ಸಾಮಾಜಿಕವಾಗಿ ಸಮತೆಯ ಬದುಕನ್ನು ಕಟ್ಟಿಕೊಳ್ಳಲು ಸಾಧ್ಯವಾಗುವುದು.
PSO 9	ತತ್ವಪದ ಹಾಗೂ ಸೂಫಿ ಸಾಹಿತ್ಯದ ಓದಿನಿಂದ ಸಹಬಾಳ್ವೆ, ಸಹಕಾರ, ಸಮಾನತೆ, ಸಂಸ್ಕೃತಿಯ ವೈವಿಧ್ಯಮಯ ಪರಿಚಯದೊಂದಿಗೆ ಇರುವ ಭಿನ್ನತೆಗಳನ್ನು ಏಕಸೂತ್ರವಾಗಿ ನೋಡುವ ಮನೋಭೂಮಿಕೆಯನ್ನು ನಿರ್ಮಿಸಬಲ್ಲರು.
PSO 10	ಹೊಸಗನ್ನಡ ಸಾಹಿತ್ಯ ರೂಪಗಳಾದ ಕಥೆ, ಕಾದಂಬರಿ, ಪ್ರವಾಸ, ಅಂಕಣ ಬರಹ, ಜೀವನ ಚರಿತ್ರೆ ಓದುವುದರಿಂದ ಜೀವನವನ್ನು ಹತ್ತಿರದಿಂದ ನೋಡುವ ಅವಕಾಶ ಮತ್ತು ಜೀವನವನ್ನು ಎದುರಿಸುವ ಸಾಮರ್ಥ್ಯವನ್ನು ಹೆಚ್ಚಿಸಿಕೊಳ್ಳುತ್ತಾರೆ.
PSO 11	ಹೊಸಗನ್ನಡ ಸಾಹಿತ್ಯದ ಓದಿನಿಂದ ಸೃಜನಶೀಲ ಶಕ್ತಿ ಮತ್ತು ಸಾಮರ್ಥ್ಯಗಳನ್ನು ಕಂಡುಕೊಳ್ಳುತ್ತಾರೆ ಮತ್ತು ಸೃಜನಶೀಲ ಗುಣಗಳನ್ನು ಬೆಳೆಸಿಕೊಳ್ಳುತ್ತಾರೆ.
PSO 12	ಪ್ರಾಚೀನದಿಂದ ಆಧುನಿಕ ಸಾಹಿತ್ಯದವರೆಗೆ ವಿದ್ಯಾರ್ಥಿಗಳ ಅಭ್ಯಾಸವು ಸಾಗಿಬಂದು ಸ್ಪರ್ಧಾತ್ಮಕ ಜಗತ್ತಿಗೆ ಹೊಂದಿಕೊಂಡು ಎದುರಿಸಿ ಸಫಲರಾಗಲು ಅಣಿಗೊಳ್ಳುತ್ತಾರೆ.
PSO 13	ಮಹಿಳಾ ಬದುಕಿನ ವಿವಿಧ ಸ್ತರಗಳ ಪರಿಚಯ ಮಾಡಿಕೊಂಡು ಬದುಕನ್ನು ಎದುರಿಸು ಸಾಮರ್ಥ್ಯವನ್ನು ಹೊಂದುವರು.

## Course Outcomes

B.A. I Sem BASIC KANNADA

Course Code : A020

Title : ಪಠ್ಯ: ಅರಿವು - 1. ಘಟಕ-1. ಮಹಿಳಾ ಸಂಕಥನ 2. ಯುದ್ಧ ಮತ್ತು ಶಾಂತಿ

Sr. No	On completing and the course the student will be able to :	PSOs addressed	Cognitive level
CO 1	ಮಹಿಳಾ ಸಂಕಥನ ಮಹಿಳಾ ಶೋಷಣೆಯ ನೆಲೆಗಳನ್ನು ತಿಳಿದುಕೊಂಡು ಸಮಾಜ ಎದುರಿಸುವ ಶಕ್ತಿ ಬಳಸಿಕೊಳ್ಳುತ್ತಾರೆ.	1,3	R,U
CO 2	ಹಳಗನ್ನಡ, ನಡುಗನ್ನಡ, ಹೊಸಗನ್ನಡ ಕಾವ್ಯ ಭಾಗಗಳಲ್ಲಿ ಮೂಡಿಬಂದ ಮಹಿಳಾ ಸಂವೇದನೆಗಳನ್ನು ಅರ್ಥೈಸಿಕೊಳ್ಳುವ ಅರಿವು ಮೂಡಿಸಿಕೊಳ್ಳುತ್ತಾರೆ.	2,6,8,13	R,U,C
CO 3	ಮಹಿಳಾ ಆತ್ಮಕತೆಯ ಭಾಗದಿಂದ ವಿದ್ಯಾರ್ಥಿನಿಯರು ಬದುಕುವ ಫಲ-ಬಲಗಳತ್ತ ಸಾಗುತ್ತಾರೆ.	10,11	U,Ap
CO 4	ಯುದ್ಧವೆಂದರೆ ಖಡ್ಗದಿಂದಲೇ ನಡೆಯಬೇಕೆಂದೆನು ಇಲ್ಲ. ಜಾಗತೀಕರಣದ ಈ ಹೊತ್ತಿನಲ್ಲಿ ಬೇಕಿರುವ ಶಾಂತಿ ಎಂಬ ಸಂದೇಶ ಮೂಡಿಸುವದು.	9,11	An, E
CO 5	ಹಳಗನ್ನಡ, ನಡುಗನ್ನಡ, ಹೊಸಗನ್ನಡ ಕಾವ್ಯಗಳಲ್ಲಿಯ ಯುದ್ಧ ಭೀಕರತೆ, ಶಾಂತಿಯ ಸಂದೇಶ ಮನದಟ್ಟು ಮಾಡಿಕೊಂಡು ವಿದ್ಯಾರ್ಥಿಗಳು ಶಾಂತಿಯ ಬೀಜ ಹರಡುವಂತೆ ಪ್ರೇರೇಪಿಸಲಾಗುವದು.	5,9	R,U,C
CO 6	ಯುದ್ಧದ ಭೀಕರತೆ ಜನಸಾಮಾನ್ಯರ ಮೇಲೆ ಉಂಟು ಮಾಡುವ ಪರಿಣಾಮ ಕುರಿತು ಅರ್ಥೈಸಿಕೊಳ್ಳುವದು.	8,9	R,U,C

B.A II Sem. BASIC KANNADA

Course Code : B020

Title : ಪಠ್ಯ: ಅರಿವು - 2. ಘಟಕ-1. ಬದುಕು ಬವಣೆ 2. ಕೃಷಿ

Sr. No	On completing and the course the student will be able to :	PSOs addressed	Cognitive level
CO 1	ಮಹಿಳಾ ಸಂಕಥನವನ್ನು ಪರಿಚಯಿಸುವ ಲೇಖನಗಳಿಂದ ಮಹಿಳಾ ಅಸ್ಥಿತೆಯ, ಮಹಿಳಾ ಶೋಷಣೆಯ ನೆಲೆಗಳನ್ನು ಗುರುತಿಸುವದು.	10,13	R,An,C,Ap
CO 2	ಜೀವನ ಚರಿತ್ರೆ ಹಾಗೂ ನಾಟಕದ ಹಿನ್ನೆಲೆಯಲ್ಲಿ ಮಹಿಳಾ ಸಂವೇದನೆಗಳನ್ನು ಪರಿಚಯಿಸುವದು.	3,10	U,An,E
CO 3	ಮಹಿಳಾ ಜೀವನದ ಹೋರಾಟ ಹಾಗೂ ಅವಳಲ್ಲಾಗುವ ಬದಲಾವಣೆಗಳನ್ನು ಗುರುತಿಸುವದು.	10,11,13	U,C
CO 4	ಸಮುದಾಯದ ಬದುಕಿನ ಕಲ್ಪನೆ ಜನಪದ ಕತೆ, ಕಾವ್ಯ ಭಾಗಗಳಿಂದ ಅರ್ಥೈಸಿಕೊಳ್ಳುವದು.	8,9	R,An,C
CO 5	ಪ್ರಕೃತಿಯೊಂದಿಗಿನ ಬದುಕು, ಸಹಜ ಕೃಷಿಯ ಕುರಿತು ತಿಳುವಳಿಕೆ ಮೂಡಿಸುವದು.	7,10,11	R,An
CO 6	ಕೃಷಿಕರಾಗಿ ಪ್ರಗತಿಪರ ವಿಚಾರಗಳನ್ನು ಅಳವಡಿಸಿಕೊಂಡು ಸಾಮಾಜಿಕ ಚಿಂತನೆಯತ್ತ ಹೊರಡುವಂತೆ ಮಾಡುವದು.	10,11	U,Ap



**B.A. III Sem. BASIC KANNADA**

Course Code : C020

Title : ಪಠ್ಯ: ಅರಿವು – 3. ಘಟಕ-1. ಕನ್ನಡ ಜಗತ್ತು 2. ಸಹಬಾಳ್ವೆ

Sr. No	On completing and the course the student will be able to :	PSOs addressed	Cognitive level
CO 1	ಕನ್ನಡ ಸಾಹಿತ್ಯದ ಪ್ರಾಚೀನತೆಯನ್ನು ಶಾಸನ, ಸಾಹಿತ್ಯ ಕೃತಿಗಳ ಹಿನ್ನೆಲೆಯಲ್ಲಿ ಕವಿ ಚರಿತ್ರೆ ಪರಿಚಯಿಸುವುದು.	1,2,3	R,U
CO 2	ಕನ್ನಡ ನಾಡು ನುಡಿ ಸಂಸ್ಕೃತಿಯ ಸೊಬಗನ್ನು ಹಳಗನ್ನಡ, ನಡುಗನ್ನಡ, ಹೊಸಗನ್ನಡ ಕಾವ್ಯ ಭಾಗಗಳ ಆಧಾರದಿಂದ ಕನ್ನಡತನದ ಪ್ರಜ್ಞೆ ಬೆಳೆಸುವುದು.	3,4,5	R,U,C
CO 3	ಹೊಸಗನ್ನಡ ಕಾವ್ಯ ಹಾಗೂ ಪ್ರವಾಸಕಥನದ ಓದಿನಿಂದ ಕನ್ನಡನಾಡಿನ ವೈಭವ ತಿಳಿಸುವದರೊಂದಿಗೆ ಬರವಣಿಗೆಯ ಸೃಜನ ಶೀಲತೆಗೂ ಇಂಪು ಮಾಡಿಕೊಡುವುದು.	10,11	An, C
CO 4	ವಿದ್ಯಾರ್ಥಿಗಳಲ್ಲಿ ಸಹಬಾಳ್ವೆಯ ಪರಿಕಲ್ಪನೆ ಮೂಡಿಸುವುದು.	8,9	An,C
CO 5	ತತ್ವಪದ ಹಾಗೂ ಮೊಹರಂ ಪದಗಳ ಹಿನ್ನೆಲೆಯಲ್ಲಿ ಸಹಬಾಳ್ವೆಯ ಬದುಕಿನ ಪರಿಗಳನ್ನು ಗುರುತಿಸಿ ಅಳವಡಿಸಿಕೊಳ್ಳುವುದು.	86,8,9	R,An,E
CO 6	ಸಾಹಿತ್ಯದ ಓದಿನಿಂದ ಮಾನವೀಯ, ಅಂತಃಕರಣದಂತ ಮೌಲ್ಯಗಳನ್ನು ಬೆಳೆಸುವಂತೆ ಪ್ರೇರಿಪಿಸುವುದು.	6,9	R,C

**B.A.IV Sem BASIC KANNADA**

Course Code : D020

Title : ಪಠ್ಯ: ಅರಿವು – 4. ಘಟಕ-1. 2.

Sr. No	On completing and the course the student will be able to :	PSOs addressed	Cognitive level
CO 1	ಪ್ರಾಚೀನ ಕಾಲದಿಂದ ಬದಲಾವಣೆಗೊಳ್ಳುತ್ತ ಬಂದ ಸಾಂಸ್ಕೃತಿಕ ಪಲ್ಲಟವನ್ನು ಗುರುತಿಸುವುದು.	1,2,3	R,U,An
CO 2	ಹಳಗನ್ನಡ ಹಾಗೂ ನಡುಗನ್ನಡ ಕಾವ್ಯಗಳ ಹಿನ್ನೆಲೆಯಲ್ಲಿ ಸಾಂಸ್ಕೃತಿಕ ಪರಿವರ್ತನೆಯ ಅರಿವು ಮೂಡಿಸುವುದು.	5,6,8	R,An,C
CO 3	ಹೊಸಗನ್ನಡ ಕಾವ್ಯ ಹಾಗೂ ಕಾದಂಬರಿ ಓದಿನಿಂದ ಸಾಂಪ್ರದಾಯಿಕ ಜೀವನ ವಿಧಾನದಿಂದ ಹೊಸತನಕ್ಕೆ ಒಡ್ಡಿಕೊಳ್ಳುವ ಪಲ್ಲಟವನ್ನು ಅರ್ಥೈಸಿಕೊಳ್ಳುವುದು.	10,11	U,Ap,An
CO 4	ಕನ್ನಡ ಮತ್ತು ತಂತ್ರಜ್ಞಾನದ ಪರಿಪೂರ್ಣ ಜ್ಞಾನ ಪಡೆಯುವುದು.ಅಲ್ಲದೆ ಸಮೂಹಮಾಧ್ಯಮದ ಬರವಣಿಗೆಯ ತಿಳುವಳಿಕೆ ಉಂಟು ಮಾಡುವುದು.	7,12	U,Ap,C
CO 5	ವಿದ್ಯಾರ್ಥಿಗಳು ಪತ್ರ ವ್ಯವಹಾರದ ಕಲೆ, ಅದರ ವಿವಿಧ ಬಗೆಗಳ ಕುರಿತು ತಿಳಿದುಕೊಂಡು ವ್ಯವಹರಿಸುವಂತೆ ಪರಿಸ್ಥಿತಿಯನ್ನುಂಟುಮಾಡುವುದು.	12	U,Ap,C
CO 6	ಸಮೂಹ ಮಾಧ್ಯಮದ ಅಧ್ಯಯನದಿಂದ ಜನರಲ್ಲಿ ಅರಿವು ಮೂಡಿಸುವ ಬೀದಿ ನಾಟಕಗಳನ್ನು ರಚಿಸುವುದು, ರಂಗ ಕಲೆಯಲ್ಲಿ ಪ್ರಾವೀಣ್ಯತೆ ಪಡೆಯಲು ಸಾಧ್ಯವಾಗುವಂತೆ ಮಾಡುವುದು.	11	U,Ap,An

**B.A. V Sem BASIC KANNADA**

Course Code : E020

Title : ಪಠ್ಯ: ಅರಿವು – 5. ಘಟಕ-1. ಜಾಗತೀಕರಣ ಮತ್ತು ಸ್ಥಳೀಯತೆ 2. ಕಲೆ

Sr. No	On completing and the course the student will be able to :	PSOs addressed	Cognitive level
CO 1	ಜಾಗತೀಕರಣ ಎಂದರೇನು? ಕಬಂಧ ಬಾಹುಗಳನ್ನು ಪರಿಚಯಿಸುವುದು.	11,12	U,An
CO 2	ಹಳಗನ್ನಡ ಕಾವ್ಯ ಹಾಗೂ ನಡುಗನ್ನಡ ಕಾವ್ಯಗಳ ಆಧಾರಗಳಿಂದ ಜಾಗತೀಕರಣದ ಪರಿಚಯ ಮಾಡಿಸುವುದು.	10,11,12	R,U,An
CO 3	ಜಾಗತೀಕರಣಕ್ಕೆ ಪರ್ಯಾಯವಾಗಿ ದೇಸಿಯತೆಯನ್ನು ಉಳಿಸಿಕೊಳ್ಳುವ ಪ್ರಯತ್ನದ ಫಲ ಹೊಸಗನ್ನಡ ಕಾವ್ಯದಿಂದ ಅರಿವು ಮಾಡುವುದು.	7,10	R,U,C
CO 4	ಕರಕುಶಲ ಕಲೆಗಳ ಪರಂಪರೆ ಹಾಗೂ ಇತಿಹಾಸವನ್ನು ಪರಿಚಯಿಸಿ ಕಲಾಭಿವೃದ್ಧಿಗೆ ಪ್ರೇರೇಪಿಸುವುದು.	9,10	R,An,C
CO 5	ಕಲಾವಿದರ ಆತ್ಮಚರಿತ್ರೆಯ ಬೋಧನೆಯಿಂದ ಕಲಾ ಜಗತ್ತಿನ ಪರಿಚಯ ಮಾಡಿಸುವುದು.	9,10	U,Ap
CO 6	ಪ್ರವಾಸ ಕಥನದ ಅಧ್ಯಯನದ ಮೂಲಕ ಮೂಲಕ ಕಲೆಯನ್ನು ಕಾಪಿಟ್ಟುಕೊಳ್ಳುವ ಮುಂದಿನ ತಲೆಮಾರಿಗೆ ರವಾನಿಸುವ ಜವಾಬ್ದಾರಿಯನ್ನು ಪಡೆಯುವುದು.	10,11	U, Ap,C

**B.A. VI BASIC KANNADA**

Course Code : F020

Title : ಪಠ್ಯ: ಅರಿವು – 6. ಘಟಕ-1. ಪರಿಸರ 2. ಓದುವ ಖುಷಿ

Sr. No	On completing and the course the student will be able to :	PSOs addressed	Cognitive level
CO 1	ಪರಿಸರ ಅಧ್ಯಯನ ಬರೀ ಗಿಡ ಮರಗಳ ಅಧ್ಯಯನವಲ್ಲ. ನಾವು ಬದುಕುವ ಭೂಮಿ ಅದರ ಸುತ್ತಲಿನ ಪರಿಸರ ಪ್ರಜ್ಞೆ ಬೆಳೆಸುವ ನಿಟ್ಟಿನಲ್ಲಿ ವಿದ್ಯಾರ್ಥಿಗಳು ಸಮರ್ಥರಾಗುತ್ತಾರೆ.	10,12	U,Ap,E,C
CO 2	ಕನ್ನಡ ಭಾಷಿಕ ಪರಿಸರ, ಅದರ ಸ್ವರೂಪ ಕುರಿತ ಚಿಂತನೆಯಿಂದ ಭಾಷೆಯ ವೈವಿಧ್ಯಮಯ ಅರಿವು ಮಾಡುತ್ತದೆ.	2,4	R,U,E
CO 3	ವೈಜ್ಞಾನಿಕ ಮನೋಧರ್ಮ, ಸಹಿಷ್ಣುತೆ, ಸೌಹಾರ್ದತೆ ಬೆಳೆಸುವಲ್ಲಿ ಪರಿಸರ ಅಧ್ಯಯನ ಮಾರ್ಗದರ್ಶಿಯಾಗಿದೆ.	6,8,9	R,U,C
CO 4	ವಿದ್ಯಾರ್ಥಿಗಳಲ್ಲಿ ವಾಚನಾ ಅಭಿರುಚಿಯನ್ನು ಬೆಳೆಸುವುದು.	11,12	Ap,C
CO 5	ಪುಸ್ತಕ ಓದು ಜೀವನದ ಅವಿಭಾಜ್ಯ ಅಂಗ ಎಂದು ತಿಳಿದುಕೊಳ್ಳಲು ಸಾಧ್ಯವಾಗುವುದು.	11,12	U,An,C
CO 6	ಗಣ್ಯ ವ್ಯಕ್ತಿಗಳ ಓದಿನ ಅನುಭವಗಳನ್ನು ತಿಳಿದುಕೊಂಡು ಸಮಾಜದ ಬೆಳವಣಿಗೆಯಲ್ಲಿ ತೊಡಗಿಕೊಳ್ಳುವುದು.	9,10,11	U,An,C

## Programme Specific Outcome (PSOs) for B.A Optional Kannada

Sr.No	On completing B.A Optional Kannada, the student will be able to :
PSO 1	ಮಹಿಳೆಯ ಅಸ್ಥಿತೆಯನ್ನು ಅರ್ಥ ಮಾಡಿಕೊಳ್ಳುವುದರಿಂದ ವಿದ್ಯಾರ್ಥಿಗಳು ತಮ್ಮ ಜೀವನವನ್ನು ರೂಪಿಸಿಕೊಳ್ಳುವರು.
PSO 2	ಕನ್ನಡದ ಸಾಂಸ್ಕೃತಿಕ ಪರಂಪರೆ, ವೈಭವ, ಸಾಮಾಜಿಕ, ರಾಜಕೀಯ, ಶೈಕ್ಷಣಿಕ, ಕಲೆ ಮುಂತಾದ ವಿಸ್ತೃತ ಪರಿಚಯ ಪಡೆಯುವುದರೊಂದಿಗೆ ಸಂಶೋಧನಾ ಕಾರ್ಯದಲ್ಲಿ ತೊಡಗಿಸಿಕೊಳ್ಳುವರು.
PSO 3	ಹಳೆಗನ್ನಡ, ನಡುಗನ್ನಡ ಹಾಗೂ ಹೊಸಗನ್ನಡ ಘಟ್ಟಗಳ ಪರಿಚಯ ಮಾಡಿಕೊಳ್ಳುವುದರ ಮೂಲಕ ಕಾಲಕಾಲಕ್ಕೆ ಕನ್ನಡ ಸಾಹಿತ್ಯ ಬೆಳವಣಿಗೆಗೊಂಡುದರ ಕುರಿತು ಅರ್ಥೈಸಿಕೊಳ್ಳುವರು.
PSO 4	ಶಾಸನಗಳು, ಚಂಪೂ ಕೃತಿಗಳ ಓದಿನಿಂದ ಹೊಸ ದೃಷ್ಟಿಕೋನವನ್ನು ಬೆಳೆಸಿಕೊಳ್ಳುತ್ತಾರೆ.
PSO 5	ಕಾವ್ಯ ಎಂದರೇನು? ಅದರ ಸ್ವರೂಪ, ಪ್ರಯೋಜನಗಳ ಕುರಿತು ಭಾರತೀಯ ಅಲಂಕಾರಿಕರ ಹೇಳಿಕೆಯು ಮುಖೇನ ಕಾವ್ಯ ಸೃಷ್ಟಿಯ ಜ್ಞಾನವನ್ನು ಪಡೆದುಕೊಳ್ಳುವರು.
PSO 6	ಪಾಶ್ಚಾತ್ಯ ಕಾವ್ಯ ಮಿಮಾಂಸೆ ಅಭ್ಯಸಿಸುವುದರಿಂದ ಭಾರತೀಯ ಮತ್ತು ಪಾಶ್ಚಾತ್ಯ ಕಾವ್ಯ ಕಲ್ಪನೆಯ ತೌಲಿಕ ಪ್ರಜ್ಞೆಯನ್ನು ಗಳಿಸುವರು.
PSO 7	ಜನಪದವೆಂಬುದು ನಮ್ಮ ಗ್ರಾಮೀಣ ಶೈಲಿ ವಿವಿಧ ಜನಪದ ಸಾಹಿತ್ಯ ಪ್ರಕಾರಗಳನ್ನು ಅಭ್ಯಸಿಸುವುದರಿಂದ ಸಾಂಸ್ಕೃತಿಕ ಮತ್ತು ಸಾಂಘಿಕ ಜೀವನ ಶೈಲಿಯ ಅರ್ಥಮಾಡಿಕೊಳ್ಳುವರು.
PSO 8	ದೇಸಿ ಸಂಸ್ಕೃತಿಯನ್ನು ಉಳಿಸಿಕೊಳ್ಳಲು ಜನಪದ ಸಾಹಿತ್ಯ ಪ್ರೇರಕ ಎಂಬುದು ಮನದಟ್ಟು ಮಾಡಿಕೊಳ್ಳುತ್ತಾರೆ.
PSO 9	ವ್ಯಾಕರಣ ಮತ್ತು ವೈಯಕ್ತಿಕರಣಗಳ ಅಭ್ಯಾಸದಿಂದ ಕನ್ನಡದ ಅಕ್ಷರ, ವರ್ಣ, ಪದ, ಶಬ್ದರಚನೆ ಮತ್ತು ವಾಕ್ಯ ಹಾಗೂ ಅರ್ಥಜ್ಞಾನವನ್ನು ಪಡೆಯುತ್ತಾರೆ.
PSO 10	ಕಾವ್ಯದ ನಡೆ ಹಾಗೂ ಅದರಲ್ಲಿಯ ಅರ್ಥಸ್ವಾರಸ್ಯವನ್ನು ತಿಳಿಸುವ ಛಂದಸ್ಸು ಹಾಗೂ ಅಲಂಕಾರ ಪ್ರಜ್ಞೆಯನ್ನು ಬೆಳೆಸಿಕೊಳ್ಳುವರು.
PSO 11	ಭಾಷಾಶಾಸ್ತ್ರವನ್ನು ಓದುವುದರಿಂದ ಭಾಷೆಯ ವೈಜ್ಞಾನಿಕತೆಯನ್ನು ತಿಳಿದುಕೊಳ್ಳುವುದರೊಂದಿಗೆ ಜಗತ್ತಿನ ಭಾಷಾ ಪರಿಕಲ್ಪನೆಯ ಅರಿವು ಮೂಡುವುದು.
PSO 12	ಅನುವಾದ ಸಾಹಿತ್ಯದಿಂದ ಅನ್ಯ ಭಾಷಾ ಸಾಹಿತ್ಯದ ಶ್ರೀಮಂತಿಕೆಯನ್ನು ಅರ್ಥಯಿಸಿಕೊಳ್ಳುವುದರೊಂದಿಗೆ ವೈಚಾರಿಕ ಪ್ರಜ್ಞೆಯನ್ನು ಬೆಳೆಸಿಕೊಂಡು ಉತ್ತಮ ಅನುವಾದಕರಾಗುವರು.
PSO 13	ಹೊಸಗನ್ನಡ ಸಾಹಿತ್ಯದ ಓದಿನಿಂದ ಸೃಜನಾತ್ಮಕ ಕಲೆ ಬೆಳೆಸಿಕೊಂಡು ಬರವಣಿಗೆಯಲ್ಲಿ ತೊಡಗಿಸಿಕೊಳ್ಳುವರು.
PSO 14	ಸ್ಪರ್ಧಾತ್ಮಕ ಪರೀಕ್ಷೆಗಳಿಗೆ ಪೂರಕವಾಗುವ ಅಂಶಗಳನ್ನು ಗ್ರಹಿಸುವುದು.

### B.A. I Sem OPTIONAL KANNADA

Course Code : A220

Title : ಪಠ್ಯ: ಸೊಲ್ಲು 1 ಘಟಕ-1 ಘಟಕ - 2

Sr. No	On completing and the course the student will be able to :	PSOs addressed	Cognitive level
CO 1	ಹೊಸಗನ್ನಡ ಸಾಹಿತ್ಯದ ಬೆಳವಣಿಗೆ, ನವೋದಯ ಕಾಲದ ಕವಿಗಳ ಕಾವ್ಯ ಶೈಲಿಯನ್ನು ಅರ್ಥೈಸಿಕೊಳ್ಳುವರು.	1,3	U,An
CO 2	ಮಹಿಳೆಯ ಬದುಕಿನ ದೃಷ್ಟಿ ಧೋರಣೆಗಳನ್ನು ತಿಳಿದುಕೊಳ್ಳುವರು.	1,3	R,Ap,C
CO 3	ಸಣ್ಣಕತೆ, ಕಾದಂಬರಿ ಓದಿನಿಂದ ಮಹಿಳಾ ಶೋಷಣೆಯ ನೆಲೆಗಳನ್ನು ಅರ್ಥೈಸಿಕೊಳ್ಳುವರು.	1,3	R,Ap,C
CO 4	ವಸಾಹತುಶಾಹಿ ಕಾಲಘಟ್ಟದ ಕನ್ನಡ ಸಾಹಿತ್ಯ ತಿಳಿದುಕೊಳ್ಳುವರು.	2,3,12	U,Ap,An,E
CO 5	ಹೊಸಗನ್ನಡ ಸಾಹಿತ್ಯದ ನವೋದಯ ಹಾಗೂ ಪ್ರಗತಿಶೀಲ ಘಟ್ಟಗಳ ಸಾಹಿತ್ಯ ಅರ್ಥೈಸಿಕೊಳ್ಳುವರು.	3,12,13	U,Ap,An,E
CO 6	ಸ್ಪರ್ಧಾತ್ಮಕ ಪರೀಕ್ಷೆಗಳಿಗೆ ಪೂರಕವಾಗುವ ಅಂಶಗಳನ್ನು ಗ್ರಹಿಸುವರು.	3,5,6,7,9,, 11	R,U,An,E

**B. A. II Sem OPTIONAL KANNADA**

Course Code : B220

Title : ಪಠ್ಯ: - ಸೊಲ್ಲು 2. ಘಟಕ-1. ಕಾವ್ಯ 2. ಆತ್ಮಕಥೆ

Sr. No	On completing and the course the student will be able to :	PSOs addressed	Cognitive level
CO 1	ಹೊಸಗನ್ನಡ ಸಾಹಿತ್ಯ ಚರಿತ್ರೆಯ ಅಧ್ಯಯನ ಪಯೋಜನಗಳನ್ನು ಮನವರಿಕೆ ಮಾಡಿಕೊಡುವುದು.	2,3,13	U,Ap,C
CO 2	ಹೊಸಗನ್ನಡ ಕಾವ್ಯದ ವಸ್ತು, ಶೈಲಿ, ಭಾಷೆ ಕಾವ್ಯತತ್ವಗಳ ಕುರಿತು ತಿಳಿದುಕೊಳ್ಳುವುದು.	5,13	U,Ap,An,C
CO 3	ಆಧುನಿಕ ಸಣ್ಣ ಕತೆಗಳ ರಚನೆ, ವಸ್ತು, ವೈವಿಧ್ಯತೆ ಓದಿನಿಂದ ಕಥನ ರಚನೆಗೆ ಸ್ಪೂರ್ತಿ ಪಡೆಯುತ್ತಾರೆ.	3,12,13	U,Ap,An,C
CO 4	ಆತ್ಮಕತೆಗಳು ವೈವಿಧ್ಯಮಯ ಬದುಕಿನ ಸಂಘರ್ಷಗಳು ಅದನ್ನು ಎದುರಿಸುವ ಬಗೆ ತಿಳಿಸಿಕೊಡುತ್ತದೆ.	1,2,7,12	R,U,An
CO 5	ಹೊಸಗನ್ನಡ ಸಾಹಿತ್ಯ ಚರಿತ್ರೆಯ ಘಟ್ಟಗಳ ಪರಿಚಯಿಸುವಿಕೆ.	3,13	U,An
CO 6	ನವೋದಯ, ಪ್ರಗತಿಶಿಲ, ನವ್ಯ, ಬಂಡಾಯ, ಮಹಿಳಾ ಸಾಹಿತ್ಯದ ಓದಿನಿಂದ ಸಮಕಾಲೀನ ಸವಾಲುಗಳು ಲಿಂಗ ಸಂವೇದನೆ, ಭಾಷಾ ಬಳಕೆ ನಿರೂಪಣಾ ಶೈಲಿ ವಿಮರ್ಶಾತ್ಮಕ ದೃಷ್ಟಿಕೋನ ಬೆಳೆಸುವುದು.	2,3,12,13	U,An,C

**B.A. III Sem OPTIONAL KANNADA**

Course Code : C220

Title : ಪಠ್ಯ: ಸೊಲ್ಲು 3. - . ಘಟಕ-1. ಮಧ್ಯಕಾಲೀನ ಸಾಹಿತ್ಯ 2. ಲೇಖನಗಳ ಭಾಗ

Sr. No	On completing and the course the student will be able to :	PSOs addressed	Cognitive level
CO 1	ಮಧ್ಯಕಾಲೀನ ಸಾಹಿತ್ಯದ ಹುಟ್ಟು ಬೆಳವಣಿಗೆ ಆ ಕಾಲಘಟ್ಟದ ಕವಿಗಳ ವೈಚಾರಿಕ ದೃಷ್ಟಿಕೋನ ಕುರಿತು ಅರಿವು ಮೂಡಿಸುವುದು.	1,3,13	R,U,An
CO 2	12 ನೇ ಶತಮಾನದ ಶರಣರ ವಚನಗಳು, ರಗಳೆ, ಷಟ್ಪದಿ, ಸಾಹಿತ್ಯದ ಬೆಳವಣಿಗೆಯ ಹಂತಗಳನ್ನು ಅರ್ಥೈಸಿ ಅವರ ತತ್ವಾತ್ಮಕಗಳನ್ನು ರೂಢಿಸಿಕೊಳ್ಳಲು ಪ್ರೇರೇಪಿಸುವುದು.	2,3,13	R,U,An,E
CO 3	ಕೀರ್ತನೆಗಳು, ಸಾಂಗತ್ಯ, ತತ್ವಪದಗಳು ಬದುಕಿನ ಮೌಲ್ಯಗಳನ್ನು ಅರ್ಥೈಸಿಕೊಳ್ಳುವಂತೆ ಮಾಡುವುದು.	3,10	U,Ap,An,C
CO 4	ಮಧ್ಯಕಾಲೀನ ಸಾಹಿತ್ಯದ ಆಶಯ, ಭಕ್ತಿ, ಆಧ್ಯಾತ್ಮಿಕ ತತ್ವಗಳು ನೈತಿಕ ಜೀವನಕ್ಕೆ ಅಡಿಪಾಯವಾಗುವಂತೆ ಪ್ರೇರೇಪಿಸುವುದು.	2,3	U,Ap,An,C
CO 5	ನಡುಗನ್ನಡ ಸಾಹಿತ್ಯದ ಓದಿನಿಂದ ವೈಚಾರಿಕ ಹಾಗೂ ವೈಜ್ಞಾನಿಕ ಮನೋಭಾವನೆಗಳನ್ನು ಪ್ರೇರೇಪಿಸುವಂತೆ ಮಾಡುವುದು.	3,12	U,Ap,E

B.A. IV Sem . OPTIONAL KANNADA

Course Code : D220

Title : ಪಠ್ಯ: ಸೊಲ್ಲ - 4 ಘಟಕ-1. ಹಳಗನ್ನಡ ಸಾಹಿತ್ಯ 2. ಛಂದಸ್ಸು

Sr. No	On completing and the course the student will be able to :	PSOs addressed	Cognitive level
CO 1	ಕನ್ನಡ ಸಾಹಿತ್ಯದ ಪ್ರಾಚೀನತೆಯನ್ನು ಕುರಿತು ಶಾಸನ, ಸಾಹಿತ್ಯ ಕೃತಿಗಳ ಹಿನ್ನೆಲೆಯಲ್ಲಿ ಕವಿ ಚರಿತ್ರೆಯನ್ನು ಪರಿಚಯಿಸುವುದು.	2,4,5	R,U,An
CO 2	ಹಳಗನ್ನಡ ಕಾವ್ಯಗಳ ಓದಿನಿಂದ ಆ ಕಾಲದ ಸಂಸ್ಕೃತಿ ಪರಿಚಯವನ್ನು ಮಾಡಿಕೊಳ್ಳುವುದು.	2,3,10	R,U,An,C
CO 3	ಕನ್ನಡ ಸಾಹಿತ್ಯದ ಮೊದಲ ದಾಖಲೆಗಳು, ಶಾಸನ ಸಾಹಿತ್ಯ, ಚಂಪು ಸಾಹಿತ್ಯದ ಓದು ವಿದ್ಯಾರ್ಥಿಗಳಲ್ಲಿ ಹೊಸ ಹೊಳೆ ಮೂಡಿಸುವುದು.	2,3,4,10	R,U,Ap
CO 4	ಶುದ್ಧ ಭಾಷಾ ಜ್ಞಾನಕ್ಕೆ ಛಂದಸ್ಸಿನ ಅಧ್ಯಯನ ಮಾರ್ಗದರ್ಶಿಯಾಗುತ್ತದೆ.	6,10,12	R,U,E,C
CO 5	ಕನ್ನಡ ಐಚ್ಛಿಕ ವಿದ್ಯಾರ್ಥಿನಿಯರಿಗೆ ಛಂದಸ್ಸಿನ ತಿಳುವಳಿಕೆ ಕಾವ್ಯ ರಚನೆಗೆ ಸ್ಪೂರ್ತಿ ನೀಡುತ್ತದೆ.	10,12	R,U,E,C

B.A. V Sem Optional kannada

Course Code : E230

Title : ಪಠ್ಯ: ಸೊಲ್ಲ 5 - 5. 1 ಘಟಕ-1. ಕನ್ನಡ ಭಾಷಾ ರಚನೆ - ವ್ಯಾಕರಣ 2. ಕನ್ನಡ ಭಾಷಾ ವಿಜ್ಞಾನ

Sr. No	On completing and the course the student will be able to :	PSOs addressed	Cognitive level
CO 1	ಐಚ್ಛಿಕ ಕನ್ನಡ ವಿದ್ಯಾರ್ಥಿನಿಯರಿಗೆ ವ್ಯಾಕರಣ ಮತ್ತು ಭಾಷಾಧ್ಯಯನದಿಂದ ಹೊಸ ಚಿಂತನೆಗಳು ಹುಟ್ಟಲು ಸಾಧ್ಯವಾಗುತ್ತದೆ.	9,11,12	U,Ap,E
CO 2	ಕನ್ನಡ ವ್ಯಾಕರಣ ಪರಂಪರೆ ಹಾಗೂ ವ್ಯಾಕರಣಕಾರರ ಕುರಿತು ಜ್ಞಾನ ಹೆಚ್ಚಿಸುವುದು.	9,10,11	R,U
CO 3	ಶಾಸ್ತ್ರೀಯ ಭಾಷೆಯ ಸ್ಥಾನಮಾನದ ಓದಿನಿಂದ ಪ್ರಾಚೀನತೆಯನ್ನು ಅರ್ಥೈಸಿಕೊಳ್ಳಬಹುದು.	2,3,4	R,U,Ap,C
CO 4	ಕನ್ನಡ ಭಾಷಾ ವಿಜ್ಞಾನ ಹಾಗೂ ಭಾಷಾ ಸಿದ್ಧಾಂತಗಳನ್ನು ಪರಿಚಯಿಸುವುದು.	11,12	U,Ap,An
CO 5	ಸ್ಪರ್ಧಾತ್ಮಕ ಪರೀಕ್ಷೆಗಳಿಗೆ ಪೂರಕವಾಗುವ ಅಂಶಗಳನ್ನು ಗ್ರಹಿಸುವುದು.	4,5,6,7,9, 11	R,U,E

**B.A. V Sem OPTIONAL KANNADA**

Course Code : E240

Title : ಪಠ್ಯ: ಸೊಲ್ಲು - 6 - 5. 2 ಘಟಕ-1. ಅನುವಾದ ಸಾಹಿತ್ಯ 2. ವಿಚಾರ ಸಾಹಿತ್ಯ

Sr. No	On completing and the course the student will be able to :	PSOs addressed	Cognitive level
CO 1	ಅನುವಾದ ಸಾಹಿತ್ಯದ ಓದು ವಿದ್ಯಾರ್ಥಿಗಳಲ್ಲಿ ಅರಿವಿನ ಕ್ಷಿತಿಜವನ್ನು ಹೆಚ್ಚಿಸುತ್ತದೆ.	2,12	Ap,An,C
CO 2	ಅನುವಾದಿತ ಕಥೆ, ಕವಿತೆ, ಆತ್ಮಕಥೆಗಳು ಸಾಂಸ್ಕೃತಿಕ ಕೊಳ್ಳು ಕೊಡುಗೆಯಾಗಿ ಸೇತು ಬಂಧ ನಿರ್ಮಿಸಲು ಸಾಧ್ಯವಾಗುತ್ತದೆ.	3,8,12,13	R,U,An
CO 3	ಅನ್ಯ ಭಾಷೆಯ ಶ್ರೀಮಂತಿಕೆಯ ಸೊಗಡನ್ನು ಅರ್ಥೈಸಿಕೊಳ್ಳಲು ಅನುವಾದ ಸಾಹಿತ್ಯ ಅನುವು ಮಾಡಿಕೊಡುತ್ತದೆ.	3,8,12,13	U,Ap,E
CO 4	ವೈಚಾರಿಕತೆ ಎಂದರೇನು? ವಿಜ್ಞಾನ ಮತ್ತು ವೈಚಾರಿಕತೆಯ ಸಂಬಂಧದ ಬಗ್ಗೆ ಅರಿವು ಮೂಡಿಸುವದು.	11,12	R,U,C

**B.A. VI Sem OPTIONAL KANNADA**

Course Code : F230

Title : ಪಠ್ಯ: ಸೊಲ್ಲು - 7 - 6. 1 ಕಾವ್ಯಮಿಮಾಂಸೆ ಮತ್ತು ಅಲಂಕಾರ

Sr. No	On completing and the course the student will be able to :	PSOs addressed	Cognitive level
CO 1	ಕನ್ನಡ ಕಾವ್ಯ ಪರಂಪರೆಯ ಸ್ಥೂಲವಾದ ಸ್ವರೂಪ ಲಕ್ಷಣಗಳನ್ನು ಪರಿಚಯಿಸುವದು.	3,4,5	R,U,An
CO 2	ಭಾರತೀಯ ಕಾವ್ಯ ಮಿಮಾಂಸೆಯ ಬಗ್ಗೆ ಜ್ಞಾನ ಅಭಿವೃದ್ಧಿಗೊಳಿಸುವದು.	5,6	R,U,Ap
CO 3	ಪ್ರತಿಭೆ, ರಸ, ಧ್ವನಿ ಸಿದ್ಧಾಂತಗಳನ್ನು ತಿಳಿದುಕೊಳ್ಳುತ್ತಲೆ ಪ್ರಚಲಿತದಲ್ಲಿರುವ ಕಾವ್ಯಮಿಮಾಂಸೆಯನ್ನು ಅರ್ಥೈಸಿಕೊಳ್ಳುವರು.	5,6,10	R,U,Ap
CO 4	ಪಾಶ್ಚಾತ್ಯ ಕಾವ್ಯ ಮಿಮಾಂಸೆ ಅಧ್ಯಯನದಿಂದ ತೌಲನಿಕ ಪ್ರಜ್ಞೆ ಬೆಳೆಸಿಕೊಳ್ಳುವರು.	5,6	R,U,E,C
CO 5	ಕಾವ್ಯದಲ್ಲಿ ಅಲಂಕಾರಗಳ ಸ್ಥಾನ, ಪ್ರಕಾರಗಳ ಓದಿನಿಂದ ಕಾವ್ಯದ ಆಕರ್ಷಣೆ ಹಾಗೂ ಕವಿಯ ಕುರಿತು ಗೌರವ ಹೆಚ್ಚುವಂತೆ ಮಾಡುವದು.	5,6,9,10	U,An,C
CO 6	ಸ್ಪರ್ಧಾತ್ಮಕ ಪರೀಕ್ಷೆಗಳಿಗೆ ಬೇಕಾಗುವ ಜ್ಞಾನ ಪಡೆದುಕೊಳ್ಳುವರು.	2,5,7,10	R,U,An,Ap,E

**B.A. VI Sem OPTIONAL KANNADA****Course Code : F240****Title : ಪಠ್ಯ: ಸೊಲ್ಲು - 8 - 6. 2 ಘಟಕ-1. ಸಂಶೋಧನೆ 2. ಸಾಂಸ್ಕೃತಿಕ ಅಧ್ಯಯನ ಮತ್ತು ಜಾನಪದ**

Sr. No	On completing and the course the student will be able to :	PSOs addressed	Cognitive level
CO 1	ಸಂಶೋಧನೆ, ಸಾಂಸ್ಕೃತಿಕ, ಜಾನಪದ ಅಧ್ಯಯನದಿಂದ ವರ್ತಮಾನದ ಅನುಸಂಧಾನ ಮಾಡಲು ಸಾಧ್ಯವಾಗುತ್ತದೆ.	1,7,8	R,U,Ap,E
CO 2	ಸಂಶೋಧನೆ, ಸಾಂಸ್ಕೃತಿಕ, ಜಾನಪದ ಅಧ್ಯಯನದಿಂದ ಭವಿಷ್ಯತ್ತಿನ ದಿಕ್ಕು ಚಿಂತನೆಗಳು ರೂಪಿಸಲು ನೆರವಾಗುತ್ತದೆ.	2,13	U,Ap,C
CO 3	ಸಂಸ್ಕೃತೀಯ ಶೋಧ, ಸ್ತ್ರೀ ಸಂವೇದನೆಯ ಒಳನೋಟಗಳು ಗುರುತಿಸಿ ಸಾಹಿತ್ಯವನ್ನು ಮರುಚಿಂತನೆಗೆ ಒಳಪಡಿಸುವ ಅರಿವು ಹೊಂದುತ್ತಾರೆ.	1,3,7	R,U,An,C
CO 4	ಜಾನಪದ ಅಧ್ಯಯನದಿಂದ ಪ್ರಪಂಚದಾದ್ಯಂತ ಇರುವ ಜಾನಪದ ಒಟ್ಟು ಪರಿಕಲ್ಪನೆ ಅರ್ಥೈಸಿಕೊಂಡು ಅದರ ಉಳಿವಿಗಾಗಿ ಕೈಕೊಳ್ಳಬೇಕಾದ ಅಧ್ಯಯನದ ಪರಿಜ್ಞಾನ ಮೂಡುತ್ತದೆ.	7,8	R,U,An,C
CO 5	ಜಾನಪದ ಲಾವಣಿ, ಕಥೆ ಓದಿನಿಂದ ಮಹಿಳಾ ಬದುಕಿನ ಅಡೆತಡೆಗಳನ್ನು ಎದುರಿಸಿ ಗೆಲ್ಲುವ ಛಲಗಾರಿಕೆ ವಿದ್ಯಾರ್ಥಿಗಳಲ್ಲಿ ಬೆಳೆಯುತ್ತದೆ.	1,7,8	U,Ap,An
CO 6	ಸ್ಪರ್ಧಾತ್ಮಕ ಪರೀಕ್ಷೆಗಳಿಗೆ ಬೇಕಾಗುವ ಜ್ಞಾನ ಪಡೆದುಕೊಳ್ಳುವರು.	3,5,6,7,9, 11	R,U,An,Ap,E

## Programme Specific Outcome (PSOs) for B.Sc Basic Kannada

Sr.No	On completing B.Sc Basic Kannada, the student will be able to :
PSO 1	ಮಹಿಳಾ ಸಂವೇದನೆಗಳನ್ನು ಅರ್ಥೈಸಿಕೊಳ್ಳುವರು.
PSO 2	ಸಾಹಿತ್ಯ ಕೃತಿಗಳ ಭಾಗವನ್ನು ಅಭ್ಯಸಿಸುವುದರ ಮೂಲಕ ಕನ್ನಡ ಭಾಷೆಯ ಶೈಲಿ, ದಾರ್ಶನಿಕತೆ, ತತ್ವ ಮತ್ತು ಸಾಹಿತ್ಯ ಸಿದ್ಧಾಂತಗಳನ್ನು ಮನನ ಮಾಡಿಕೊಳ್ಳುವರು.
PSO 3	ಹಳಗನ್ನಡ, ನಡುಗನ್ನಡ, ಹೊಸಗನ್ನಡ ಸಾಹಿತ್ಯದ ಓದಿನಿಂದ ಸೃಜನಶೀಲ ಸಾಮರ್ಥ್ಯಗಳನ್ನು ಹೊಂದುತ್ತಾರೆ.
PSO 4	ಆತ್ಮ ಚರಿತ್ರೆ ಓದಿನಿಂದ ಚಿಂತನಾತ್ಮಕ, ವಿಮರ್ಶಾತ್ಮಕ ಮತ್ತು ವೈಚಾರಿಕ ಮನೋಭಾವವನ್ನು ವಿದ್ಯಾರ್ಥಿಗಳು ಗಿಟ್ಟಿಸಿಕೊಳ್ಳುತ್ತಾರೆ.
PSO 5	ಜೀವನದಲ್ಲಿ ಅಡಗಿರುವ ವಿಜ್ಞಾನವನ್ನು ಹಾಗೂ ವೈಚಾರಿಕತೆಯನ್ನು ಒಟ್ಟು ಸಾಹಿತ್ಯದ ಓದಿನಿಂದ ತಿಳಿದುಕೊಳ್ಳುವರು.
PSO 6	ವಿಜ್ಞಾನದೊಂದಿಗೆ ಬೆಳೆದ ತಂತ್ರಜ್ಞಾನದ ಸಾಹಿತ್ಯದಿಂದ ಅನ್ವಯಿಕ ಪ್ರಜ್ಞೆಯನ್ನು ಮೂಡಿಸಿಕೊಳ್ಳುವರು.
PSO 7	ಕನ್ನಡ ಸಾಹಿತ್ಯದಲ್ಲಿ ಒಡಮೂಡಿರುವ ವೈಜ್ಞಾನಿಕ ವಿಚಾರಗಳ ಓದಿನಿಂದ ಒಳ್ಳೆ ನಾಗರಿಕರಾಗಿ ರೂಪುಗೊಳ್ಳುವರು.
PSO 8	ಮಸ್ತಕ ಬರೀ ಓದಲ್ಲ, ಆಹಾರ ಮತ್ತು ಆರೋಗ್ಯದ ಕುರಿತು ಚಿಂತನಾಕ್ರಮವನ್ನು ಪ್ರವಹಿಸಲಿಕ್ಕೆ ಕಾರಣವಾಗುವದು.
PSO 9	ಸಾಹಿತ್ಯದ ಓದಿನಿಂದ ವ್ಯವಹಾರಿಕ ಜ್ಞಾನವನ್ನು ಮೂಡಿಸುವ ಟಿಪ್ಪಣಿ, ಪತ್ರ ಅದರ ಅಂಗಗಳು, ಆದಳಿತಾತ್ಮಕ ವೈಖರಿಗೆ ಸಹಾಯಕಗಳಾಗಿ ಬರವಣಿಗೆ ಸಾಮರ್ಥ್ಯವನ್ನು ಹೆಚ್ಚಿಸುತ್ತದೆ.
PSO 10	ಬರವಣಿಗೆ ಮತ್ತು ಸಮೂಹ ಮಾಧ್ಯಮಗಳಿಂದ ವಾಕ್ ಚಾತುರ್ಯ, ಚರ್ಚಾ ಮನೋಭಾವ, ಚಿಂತನ ಮತ್ತು ಮಂಥನ ಕ್ರಮಗಳನ್ನು ಹೆಚ್ಚಿಸುತ್ತದೆ.
PSO 11	ಸಾಹಿತ್ಯದ ಓದಿನಿಂದ ಮೌಢ್ಯಚರಣೆಗಳನ್ನು ನಿರಾಕರಿಸುವ ಪ್ರಜ್ಞೆಯನ್ನು ಬೆಳೆಸಿಕೊಳ್ಳುವರು.
PSO 12	ಒಟ್ಟು ಸಾಹಿತ್ಯದ ಅಭ್ಯಾಸದಿಂದ ವೈಜ್ಞಾನಿಕ ಮನೋಭಾವ ಬೆಳೆಸಿಕೊಂಡು ಸಂಪದ್ಧರಿತ ಹಾಗೂ ಸಮೃದ್ಧಿಯ ಜೀವನವನ್ನು ರೂಪಿಸಿಕೊಳ್ಳುವರು.

B.Sc. I Sem BASIC KANNADA

Course Code : A020

Title : ಪಠ್ಯ: ಕುರುಹು – 1. ಘಟಕ-1. ಮಹಿಳಾ ಸಂಕಥನ 2. ವಿಜ್ಞಾನ ಮತ್ತು ತಂತ್ರಜ್ಞಾನ

Sr. No	On completing and the course the student will be able to :	PSOs addressed	Cognitive level
CO 1	ಮಹಿಳಾ ಸಂಕಥನ ಮಹಿಳಾ ಶೋಷಣೆಯ ನೆಲೆಗಳನ್ನು ತಿಳಿದುಕೊಂಡು ಸಮಾಜ ಎದುರಿಸುವ ಶಕ್ತಿ ಬಳಸಿಕೊಳ್ಳುತ್ತಾರೆ.	1	R,An,C
CO 2	ಹಳಗನ್ನಡ, ನಡುಗನ್ನಡ, ಹೊಸಗನ್ನಡ ಕಾವ್ಯ ಭಾಗಗಳಲ್ಲಿ ಮೂಡಿಬಂದ ಮಹಿಳಾ ಸಂವೇದನೆಗಳನ್ನು ಅರ್ಥೈಸಿಕೊಳ್ಳುವ ಅರಿವು ಮೂಡಿಸಿಕೊಳ್ಳುತ್ತಾರೆ.	1,3	R,U,An
CO 3	ಮಹಿಳಾ ಆತ್ಮಕತೆಯ ಭಾಗದಿಂದ ವಿದ್ಯಾರ್ಥಿನಿಯರು ಬದುಕುವ ಛಲ-ಬಲಗಳತ್ತ ಸಾಗುತ್ತಾರೆ.	3,4,8	U,Ap,E
CO 4	ವಿಜ್ಞಾನ ಲೇಖನಗಳಿಂದ ವಿದ್ಯಾರ್ಥಿಗಳು ವಿಜ್ಞಾನದ ತತ್ವ ಪ್ರಯೋಗಗಳನ್ನು ಅರ್ಥೈಸಿಕೊಳ್ಳುತ್ತಾರೆ.	5,6,7	U,Ap,E
CO 5	ತಂತ್ರಜ್ಞಾನಗಳು ಮನುಷ್ಯನ ಬದುಕಿನಲ್ಲಿ ವಹಿಸುತ್ತಿರುವ ಪಾತ್ರವನ್ನು ಅರಿತುಕೊಳ್ಳುವರು.	7,8,11	U,An,Ap
CO 6	ಬಹು ಸಂಸ್ಕೃತಿಗಳ ಸಂಕೀರ್ಣತೆಯನ್ನು ಸಣ್ಣಕತೆ, ಪ್ರಭಂದಗಳ ಮೂಲಕ ಅರ್ಥೈಸಿಕೊಂಡು ವಿಜ್ಞಾನ ತಂತ್ರಜ್ಞಾನಕ್ಕೆ ಮುಖಾಮುಖಿಯಾಗಿ ನಿಲ್ಲುವದು ಸಾಧ್ಯಗೊಳಿಸಿಕೊಳ್ಳುತ್ತಾರೆ.	11,12	U,Ap,E



**B.Sc. II Sem BASIC KANNADA**

Course Code : B020

Title : ಪಠ್ಯ: ಕುರುಹು – 2. ಘಟಕ-1. ಬದುಕು ಬವಣೆ 2. ಕೃಷಿ

Sr. No	On completing and the course the student will be able to :	PSOs addressed	Cognitive level
CO 1	ಮಹಿಳಾ ಸಂಕಥನವನ್ನು ಪರಿಚಯಿಸುವ ಲೇಖನಗಳಿಂದ ಮಹಿಳಾ ಅಸ್ಥಿತೆಯ, ಮಹಿಳಾ ಶೋಷಣೆಯ ನೆಲೆಗಳನ್ನು ಗುರುತಿಸುವುದು.	10,13	R,U,Ap,C
CO 2	ಜೀವನ ಚರಿತ್ರೆ ಹಾಗೂ ನಾಟಕದ ಹಿನ್ನೆಲೆಯಲ್ಲಿ ಮಹಿಳಾ ಸಂವೇದನೆಗಳನ್ನು ಪರಿಚಯಿಸುವುದು.	3,10	U,An,E
CO 3	ಮಹಿಳಾ ಜೀವನದ ಹೋರಾಟ ಹಾಗೂ ಅವಳಲ್ಲಾಗುವ ಬದಲಾವಣೆಗಳನ್ನು ಗುರುತಿಸುವುದು.	10,11,13	U,C
CO 4	ಸಮುದಾಯದ ಬದುಕಿನ ಕಲ್ಪನೆ ಜನಪದ ಕತೆ, ಕಾವ್ಯ ಭಾಗಗಳಿಂದ ಅರ್ಥೈಸಿಕೊಳ್ಳುವುದು.	8,9	R,An,C
CO 5	ಪ್ರಕೃತಿಯೊಂದಿಗಿನ ಬದುಕು, ಸಹಜ ಕೃಷಿಯ ಕುರಿತು ತಿಳುವಳಿಕೆ ಮೂಡಿಸುವುದು.	7,10,11	R,An,C
CO 6	ಕೃಷಿಕರಾಗಿ ಪ್ರಗತಿಪರ ವಿಚಾರಗಳನ್ನು ಅಳವಡಿಸಿಕೊಂಡು ಸಾಮಾಜಿಕ ಚಿಂತನೆಯತ್ತ ಹೊರಡುವಂತೆ ಮಾಡುವುದು.	10,11	U,Ap

**B.Sc. III Sem BASIC KANNADA**

Course Code : C020

Title : ಪಠ್ಯ: ಕುರುಹು –3. ಘಟಕ-1. ಆಹಾರ ಮತ್ತು ಆರೋಗ್ಯ 2. ಸಹಬಾಳ್ವೆ

Sr. No	On completing and the course the student will be able to :	PSOs addressed	Cognitive level
CO 1	ಆಹಾರದ ಕುರಿತಾಗಿರುವ ತಾರತಮ್ಯವನ್ನು ಹೋಗಲಾಡಿಸುವುದು.	3,8	U,Ap
CO 2	ಲೇಖನಗಳ ಓದಿನಿಂದ ಪೌಷ್ಟಿಕ ಆಹಾರದ ಕಲ್ಪನೆ, ಆರೋಗ್ಯಕ್ಕೆ ಬೇಕಾದ ಸಮತೋಲನ ಆಹಾರದ ತಿಳುವಳಿಕೆಯನ್ನು ಮೂಡಿಸುವುದು.	8,11	U,Ap,C
CO 3	ನಡುಗನ್ನಡ ಕಾವ್ಯ ಹಾಗೂ ಹೊಸಗನ್ನಡ ಕಾವ್ಯ ಪ್ರಭಂಧಗಳಲ್ಲಿ ಬಿಂಬಿತವಾದ ಆಹಾರ ಹಾಗೂ ಆರೋಗ್ಯದ ಕಲ್ಪನೆ ವೈಚಾರಿಕವಾಗಿ ಅರ್ಥೈಸಿಕೊಳ್ಳಲು ಸಾಧ್ಯವಾಗುವುದು.	3,5,6	R,U,An
CO 4	ಸಹಬಾಳ್ವೆಯ ಲೇಖನಗಳು ಮಾನವ ಕುಲಂ ತಾನೊಂದೆ ವಲಂ ಎಂಬ ತತ್ವದಡಿಯಲ್ಲಿ ವಿದ್ಯಾರ್ಥಿಗಳು ನೆಮ್ಮದಿಯ ಬದುಕನ್ನು ಕಟ್ಟಿಕೊಳ್ಳಲು ಸಹಾಯಕವಾಗುವುದು.	3,12	U,An,E
CO 5	ತತ್ವಪದಗಳು, ಅನುವಾದಿತ ಕತೆಗಳು, ಅಂಕಣ ಬರಹಗಳಲ್ಲಿಯೂ ಸಹಬಾಳ್ವೆಯ ಚಿತ್ರಣದಿಂದ ಹಿಂಸಾಭಾವದಿಂದ ವಿದ್ಯಾರ್ಥಿಗಳು ಹೊರಬರಲು ಸಾಧ್ಯವಾಗುವುದು.	3,12	U,An,E
CO 6	ಪ್ರವಾಸ ಕಥನದ ಓದು ಸಹಬಾಳ್ವೆಯ ಪರಿಕಲ್ಪನೆಯನ್ನು ಮೂಡಿಸುವುದು.	3,11	R,U,An,E

B.Sc. IV Sem BASIC KANNADA

Course Code : D020

Title : ಕುರುಹು - 4. ಘಟಕ-1. ಸಾಂಸ್ಕೃತಿಕ ಪಲ್ಲಟ 2. ಸಮೂಹ ಮಾಧ್ಯಮ.

Sr. No	On completing and the course the student will be able to :	PSOs addressed	Cognitive level
CO 1	ಪ್ರಾಚೀನ ಕಾಲದಿಂದ ಬದಲಾವಣೆಗೊಳ್ಳುತ್ತ ಬಂದ ಸಾಂಸ್ಕೃತಿಕ ಪಲ್ಲಟವನ್ನು ಗುರುತಿಸುವುದು.	1,2,3	R,U,An
CO 2	ಹಳಗನ್ನಡ ಹಾಗೂ ನಡುಗನ್ನಡ ಕಾವ್ಯಗಳ ಹಿನ್ನೆಲೆಯಲ್ಲಿ ಸಾಂಸ್ಕೃತಿಕ ಪರಿವರ್ತನೆಯ ಅರಿವು ಮೂಡಿಸುವುದು.	4,5,8	R,An,C
CO 3	ಹೊಸಗನ್ನಡ ಕಾವ್ಯ ಹಾಗೂ ಕಾದಂಬರಿ ಓದಿನಿಂದ ಸಾಂಪ್ರದಾಯಿಕಜೀವನ ವಿಧಾನದಿಂದ ಹೊಸತನಕ್ಕೆ ಒಡ್ಡಿಕೊಳ್ಳುವ ಪಲ್ಲಟವನ್ನು ಅರ್ಥೈಸಿಕೊಳ್ಳುವುದು.	10,11	U,Ap,An
CO 4	ಕನ್ನಡ ಮತ್ತು ತಂತ್ರಜ್ಞಾನದ ಪರಿಪೂರ್ಣ ಜ್ಞಾನ ಪಡೆಯುವುದು.ಅಲ್ಲದೆ ಸಮೂಹಮಾಧ್ಯಮದ ಬರವಣಿಗೆಯ ತಿಳುವಳಿಕೆ ಉಂಟು ಮಾಡುವುದು.	7,12	U,Ap,An,C
CO 5	ವಿದ್ಯಾರ್ಥಿಗಳು ಪತ್ರ ವ್ಯವಹಾರದ ಕಲೆ, ಅದರ ವಿವಿಧ ಬಗೆಗಳ ಕುರಿತು ತಿಳಿದುಕೊಂಡು ವ್ಯವಹರಿಸುವಂತೆ ಪರಿಸ್ಥಿತಿಯನ್ನುಂಟುಮಾಡುವುದು.	12	U,An,C
CO 6	ಸಮೂಹ ಮಾಧ್ಯಮದ ಅಧ್ಯಯನದಿಂದ ಜನರಲ್ಲಿ ಅರಿವು ಮೂಡಿಸುವ ಬೀದಿ ನಾಟಕಗಳನ್ನು ರಚಿಸುವುದು, ರಂಗ ಕಲೆಯಲ್ಲಿ ಪ್ರಾವೀಣ್ಯತೆ ಪಡೆಯಲು ಸಾಧ್ಯವಾಗುವಂತೆ ಮಾಡುವುದು.	11	U,Ap,An

## Programme Specific Outcome (PSOs) for B.Com Basic Kannada

Sr.No	On completing B.Com Basic Kannada, the student will be able to :
PSO 1	ಕನ್ನಡ ಸಾಹಿತ್ಯವು ವಾಣಿಜ್ಯ ವಿದ್ಯಾರ್ಥಿಗಳಲ್ಲಿ ಆಸಕ್ತಿ ಅಭಿರುಚಿಗಳನ್ನು ಹೆಚ್ಚಿಸಿ ಸೃಜನ ಚಿಂತನೆಗೆ ಎಡೆಮಾಡಿಕೊಡುತ್ತದೆ.
PSO 2	ಕಥೆ, ಕಾದಂಬರಿಗಳ ಓದಿನಿಂದ ವಿಷಯ ವಸ್ತುವನ್ನು ಸಂಕ್ಷೇಪಿಸುವ ಹಾಗೂ ವಿಸ್ತರಿಸುವ ಕ್ರಮ ಪಡೆಯುವರು.
PSO 3	ಪ್ರವಾಸ ಮತ್ತು ಜೀವನ ಚರಿತ್ರೆಯ ವಿಹಾರದಿಂದ ಜೀವನ ಸತ್ಯಗಳ ತಿಳಿವನ್ನು ಹೊಂದುವರು.
PSO 4	ಮಹಿಳಾ ಸಂಕಥನ ಓದಿನಿಂದ ಮಹಿಳಾ ಶೋಷಣೆಯ ನೆಲೆಗಳನ್ನು ಅರ್ಥೈಸಿಕೊಂಡು ಸಮಾಜವನ್ನು ಎದುರಿಸುವ ಶಕ್ತಿ ಪಡೆಯುವರು, ಆತ್ಮವಿಶ್ವಾಸ ಹೆಚ್ಚಿಸಿಕೊಳ್ಳುವರು.
PSO 5	ವಚನ ಸಾಹಿತ್ಯದಿಂದ ನೈತಿಕ ಮೌಲ್ಯಗಳನ್ನು ಬೆಳೆಸಿಕೊಳ್ಳುವರು.
PSO 6	ದಾಸ ಸಾಹಿತ್ಯದಿಂದ ಭಕ್ತಿ, ಆಧ್ಯಾತ್ಮ ಸಾಮಾಜಿಕ ಮೌಲ್ಯಗಳನ್ನು ಬೆಳೆಸಿಕೊಳ್ಳುವರು.
PSO 7	ಭಕ್ತಿ ಸಾಹಿತ್ಯ ಓದುವುದರಿಂದ ವಿದ್ಯಾರ್ಥಿಗಳು ಸಾಮರಸ್ಯ ಹಾಗೂ ಸಹಬಾಳ್ವೆಯನ್ನು ವೃದ್ಧಿಸಿಕೊಳ್ಳುವರು.
PSO 8	ವ್ಯವಹಾರದ ಜಗತ್ತಿನಲ್ಲಿ ಕನ್ನಡ ಭಾಷೆಯನ್ನು ಪರಿಣಾಮಕಾರಿಯಾಗಿ ಬಳಸುವ ಪರಿಣತಿಯನ್ನು ಸಾಧಿಸುವರು. ಅಲ್ಲದೆ ಜಾಗತೀಕರಣದ ಮೂಲಭೂತ ಅಂಶಗಳನ್ನು ಅರಿತುಕೊಳ್ಳುವರು.

B.Com. I Sem BASIC KANNADA

Course Code : A020

Title : ಪಠ್ಯ: ಒಡಲು – 1. ಘಟಕ-1. ಮಹಿಳಾ ಸಂಕಥನ 2. ಕನ್ನಡ ಬಳಕೆ

Sr. No	On completing and the course the student will be able to :	PSOs addressed	Cognitive level
CO 1	ಮಹಿಳಾ ಸಂಕಥನ ಓದಿನಿಂದ ಮಹಿಳಾ ಶೋಷಣೆಯ ನೆಲೆಗಳನ್ನು ತಿಳಿದುಕೊಂಡು ಸಮಾಜ ಎದುರಿಸುವ ಶಕ್ತಿ ಬೆಳೆಸಿಕೊಳ್ಳುತ್ತಾರೆ.	2,4,5	R,U,An
CO 2	ನಡುಗನ್ನಡ, ಹೊಸಗನ್ನಡ ಕಾವ್ಯ, ಜಾನಪದ ಕಾವ್ಯಗಳಲ್ಲಿ ಬೂಡಿಬಂದ ಮಹಿಳಾ ಸಂವೇದನೆಗಳನ್ನು ಅರ್ಥೈಸಿಕೊಳ್ಳುವ ಅರಿವು ಮೂಡಿಸಿಕೊಳ್ಳುತ್ತಾರೆ.	2,3	U,Ap,E
CO 3	ಮಹಿಳಾ ಆತ್ಮಕಥೆಯ ಭಾಗದಿಂದ ವಿದ್ಯಾರ್ಥಿನಿಯರು ಬದುಕುವ ಛಲ - ಬಲ ಬೆಳೆಸಿಕೊಳ್ಳುತ್ತಾರೆ.	2,3,4	U,Ap
CO 4	ಕನ್ನಡ ನಾಡು - ನುಡಿಯ ಅಭಿಮಾನ ಬೆಳೆಸಿಕೊಂಡು ಭಾಷೆಯ ಮಹತ್ವ ಆಲೋಚನಾ ವಿಧಾನ, ವಿವೇಕ ಬೆಳೆಸಿಕೊಳ್ಳಲು ಸಾಧ್ಯವಾಗುತ್ತದೆ.	1,8	R,U,C
CO 5	ಆಡಳಿತ ಭಾಷೆಯಾಗಿ ಕನ್ನಡ ಬಳಸುವ, ವ್ಯವಹರಿಸುವ ಕೌಶಲ್ಯ ಬೆಳೆಸಿಕೊಳ್ಳುತ್ತಾರೆ.	1,8	U,An,E,C
CO 6	ಬರವಣಿಗೆಯಲ್ಲಿ ಲೇಖನ ಚಿಹ್ನೆಗಳನ್ನು ಬಳಸುವ ಪರಿಣಾಮಕಾರಿ ಲೇಖನಗಳನ್ನು ಬರೆಯುವ ಕಲೆಗಾರಿಕೆಯನ್ನು ರೂಢಿಸಿಕೊಳ್ಳುತ್ತಾರೆ.	1,2,8	U,Ap,An

B.Com. II Sem BASIC KANNADA

Course Code : B020

Title : ಪಠ್ಯ: ಒಡಲು – 2. ಘಟಕ 1.ಜಾಗತಿಕ ಮಾರುಕಟ್ಟೆ 2.ಭಾಷಾ ಕೌಶಲ್ಯ

Sr. No	On completing and the course the student will be able to :	PSOs addressed	Cognitive level
CO 1	ಜಾಗತಿಕ ಮಾರು ಕಟ್ಟೆಯ ಕುರಿತು ಲೇಖನಗಳಿಂದ ಜಾಗತೀಕರಣ, ಖಾಸಗೀಕರಣ, ಉದಾರೀಕರಣಗಳನ್ನು ಅರಿವು ಮೂಡಿಸುವುದು.	2,8	U,An,E
CO 2	ಹೊಸಗನ್ನಡ ಕಾವ್ಯಗಳಲ್ಲಿ ಮೂಡಿಬಂದ ಜಾಗತೀಕರಣದ ಅಂಶಗಳನ್ನು ಪರಿಚಯಿಸುವುದು.	1,2	U,An
CO 3	ಸಣ್ಣಕತೆ, ಪ್ರವಾಸ ಕಥನದ ಓದಿನಿಂದ ಜಾಗತಿಕ ಮಟ್ಟದಲ್ಲಾಗುತ್ತಿರುವ ಬದಲಾವಣೆಯ ಅಂಶಗಳು, ಅದನ್ನು ಎದುರಿಸುವ ಬಗ್ಗೆ ಕುರಿತು ತಿಳುವಳಿಕೆ ಮೂಡಿಸುವುದು.	2,8	U,E,C
CO 4	ಕನ್ನಡ ಭಾಷೆಯ ಪ್ರಾಚೀನತೆಯನ್ನು ಅರ್ಥೈಸುವುದು. ನಾಡು ನುಡಿಯ ಬಗ್ಗೆ ಇರುವ ಕಾಳಜಿಯನ್ನು ಪ್ರಾಚೀನ ಕವಿಗಳ ಉಲ್ಲೇಖಗಳಿಂದ ತಿಳಿಸುವುದು.	1,5,6	R,U,An
CO 5	ಹೊಸಗನ್ನಡ ಕಾವ್ಯಗಳಲ್ಲಿ ಮೂಡಿಬಂದಿರುವ ಭಾಷಾ ಕೌಶಲ್ಯಗಳನ್ನು ಅರಿಯುವುದು.	7,8	U,E,C
CO 6	ಕೃಷಿ ಬದುಕು ಮಾನವೀಯ ಸಂಬಂಧಗಳು, ಸಾಮಾಜಿಕ ಜಾಲತಾಣಗಳಲ್ಲಿ ಕಮರಿ ಹೋಗುತ್ತಿರುವ ಬದುಕನ್ನು ಅರ್ಥೈಸಿಕೊಂಡು ಜೀವನ ಚೈತನ್ಯವನ್ನು ಮೂಡಿಸುವುದು.	3,6	U,Ap,C

## Programme Specific Outcome (PSOs) for B.B.M Basic Kannada

Sr.No	On completing B.B.M Basic Kannada, the student will be able to :
PSO 1	ಕನ್ನಡ ಸಾಹಿತ್ಯವು ವಾಣಿಜ್ಯ ವಿದ್ಯಾರ್ಥಿಗಳಲ್ಲಿ ಆಸಕ್ತಿ ಅಭಿರುಚಿಗಳನ್ನು ಹೆಚ್ಚಿಸಿ ಸೃಜನ ಚಿಂತನೆಗೆ ಎಡೆಮಾಡಿಕೊಡುತ್ತದೆ.
PSO 2	ಕಥೆ, ಕಾದಂಬರಿಗಳ ಓದಿನಿಂದ ವಿಷಯ ವಸ್ತುವನ್ನು ಸಂಕ್ಷೇಪಿಸುವ ಹಾಗೂ ವಿಸ್ತರಿಸುವ ಕ್ರಮ ಪಡೆಯುವರು.
PSO 3	ಪ್ರವಾಸ ಮತ್ತು ಜೀವನ ಚರಿತ್ರೆಯ ವಿಹಾರದಿಂದ ಜೀವನ ಸತ್ಯಗಳ ತಿಳಿವನ್ನು ಹೊಂದುವರು.
PSO 4	ಮಹಿಳಾ ಸಂಕಥನ ಓದಿನಿಂದ ಮಹಿಳಾ ಶೋಷಣೆಯ ನೆಲೆಗಳನ್ನು ಅರ್ಥೈಸಿಕೊಂಡು ಸಮಾಜವನ್ನು ಎದುರಿಸುವ ಶಕ್ತಿ ಪಡೆಯುವರು, ಆತ್ಮವಿಶ್ವಾಸ ಹೆಚ್ಚಿಸಿಕೊಳ್ಳುವರು.
PSO 5	ವಚನ ಸಾಹಿತ್ಯದಿಂದ ನೈತಿಕ ಮೌಲ್ಯಗಳನ್ನು ಬೆಳೆಸಿಕೊಳ್ಳುವರು.
PSO 6	ದಾಸ ಸಾಹಿತ್ಯದಿಂದ ಭಕ್ತಿ, ಆಧ್ಯಾತ್ಮ ಸಾಮಾಜಿಕ ಮೌಲ್ಯಗಳನ್ನು ಬೆಳೆಸಿಕೊಳ್ಳುವರು.
PSO 7	ಭಕ್ತಿ ಸಾಹಿತ್ಯ ಓದುವುದರಿಂದ ವಿದ್ಯಾರ್ಥಿಗಳು ಸಾಮರಸ್ಯ ಹಾಗೂ ಸಹಬಾಳ್ವೆಯನ್ನು ವೃದ್ಧಿಸಿಕೊಳ್ಳುವರು.
PSO 8	ವ್ಯವಹಾರದ ಜಗತ್ತಿನಲ್ಲಿ ಕನ್ನಡ ಭಾಷೆಯನ್ನು ಪರಿಣಾಮಕಾರಿಯಾಗಿ ಬಳಸುವ ಪರಿಣತಿಯನ್ನು ಸಾಧಿಸುವರು. ಅಲ್ಲದೆ ಜಾಗತೀಕರಣದ ಮೂಲಭೂತ ಅಂಶಗಳನ್ನು ಅರಿತುಕೊಳ್ಳುವರು.

B. B. M. I Sem BASIC KANNADA

Course Code : A020

Title : ಪಠ್ಯ: ಒಡಲು – 1. ಘಟಕ-1. ಮಹಿಳಾ ಸಂಕಥನ 2. ಕನ್ನಡ ಬಳಕೆ

Sr. No	On completing and the course the student will be able to :	PSOs addressed	Cognitive level
CO 1	ಮಹಿಳಾ ಸಂಕಥನ ಓದಿನಿಂದ ಮಹಿಳಾ ಶೋಷಣೆಯ ನೆಲೆಗಳನ್ನು ತಿಳಿದುಕೊಂಡು ಸಮಾಜ ಎದುರಿಸುವ ಶಕ್ತಿ ಬೆಳೆಸಿಕೊಳ್ಳುತ್ತಾರೆ.	2,4,5	R,U,An
CO 2	ನಡುಗನ್ನಡ, ಹೊಸಗನ್ನಡ ಕಾವ್ಯ, ಜಾನಪದ ಕಾವ್ಯಗಳಲ್ಲಿ ಬೂಡಿಬಂದ ಮಹಿಳಾ ಸಂವೇದನೆಗಳನ್ನು ಅರ್ಥೈಸಿಕೊಳ್ಳುವ ಅರಿವು ಮೂಡಿಸಿಕೊಳ್ಳುತ್ತಾರೆ.	2,3	U,Ap,E
CO 3	ಮಹಿಳಾ ಆತ್ಮಕಥೆಯ ಭಾಗದಿಂದ ವಿದ್ಯಾರ್ಥಿನಿಯರು ಬದುಕುವ ಛಲ – ಬಲ ಬೆಳೆಸಿಕೊಳ್ಳುತ್ತಾರೆ.	2,3,4	U,Ap
CO 4	ಕನ್ನಡ ನಾಡು – ನುಡಿಯ ಅಭಿಮಾನ ಬೆಳೆಸಿಕೊಂಡು ಭಾಷೆಯ ಮಹತ್ವ, ಆಲೋಚನಾ ವಿಧಾನ, ವಿವೇಕ ಬೆಳೆಸಿಕೊಳ್ಳಲು ಸಾಧ್ಯವಾಗುತ್ತದೆ.	1,8	R,U,C
CO 5	ಆಡಳಿತ ಭಾಷೆಯಾಗಿ ಕನ್ನಡ ಬಳಸುವ, ವ್ಯವಹರಿಸುವ ಕೌಶಲ್ಯ ಬೆಳೆಸಿಕೊಳ್ಳುತ್ತಾರೆ.	1,8	U,An,E,C
CO 6	ಬರವಣಿಗೆಯಲ್ಲಿ ಲೇಖನ ಚಿಹ್ನೆಗಳನ್ನು ಬಳಸುವ ಪರಿಣಾಮಕಾರಿ ಲೇಖನಗಳನ್ನು ಬರೆಯುವ ಕಲೆಗಾರಿಕೆಯನ್ನು ರೂಢಿಸಿಕೊಳ್ಳುತ್ತಾರೆ.	1,2,8	U,Ap,An

**B.B.M II Sem BASIC KANNADA****Course Code : B020****Title : ಪಠ್ಯ: ಒಡಲು – 2. ಘಟಕ-1.ಜಾಗತಿಕ ಮಾರುಕಟ್ಟೆ 2.ಭಾಷಾ ಕೌಶಲ್ಯ**

Sr. No	On completing and the course the student will be able to :	PSOs addressed	Cognitive level
CO 1	ಜಾಗತಿಕ ಮಾರು ಕಟ್ಟೆಯ ಕುರಿತು ಲೇಖನಗಳಿಂದ ಜಾಗತೀಕರಣ, ಖಾಸಗೀಕರಣ, ಉದಾರೀಕರಣಗಳ ಅರಿವು ಮೂಡಿಸುವುದು.	2,8	U,An,E
CO 2	ಹೊಸಗನ್ನಡ ಕಾವ್ಯಗಳಲ್ಲಿ ಮೂಡಿಬಂದ ಜಾಗತೀಕರಣದ ಅಂಶಗಳನ್ನು ಪರಿಚಯಿಸುವುದು.	1,2	U,An
CO 3	ಸಣ್ಣಕತೆ, ಪ್ರವಾಸ ಕಥನದ ಓದಿನಿಂದ ಜಾಗತಿಕ ಮಟ್ಟದಲ್ಲಾಗುತ್ತಿರುವ ಬದಲಾವಣೆಯ ಅಂಶಗಳು, ಅದನ್ನು ಎದುರಿಸುವ ಬಗ್ಗೆ ಕುರಿತು ತಿಳುವಳಿಕೆ ಮೂಡಿಸುವುದು.	2,8	U,E,C
CO 4	ಕನ್ನಡ ಭಾಷೆಯ ಪ್ರಾಚೀನತೆಯನ್ನು ಅರ್ಥೈಸುವುದು. ನಾಡು ನುಡಿಯ ಬಗ್ಗೆ ಇರುವ ಕಾಳಜಿಯನ್ನು ಪ್ರಾಚೀನ ಕವಿಗಳ ಉಲ್ಲೇಖಗಳಿಂದ ತಿಳಿಸುವುದು.	1,5,6	R,U,An
CO 5	ಹೊಸಗನ್ನಡ ಕಾವ್ಯಗಳಲ್ಲಿ ಮೂಡಿಬಂದಿರುವ ಭಾಷಾ ಕೌಶಲ್ಯಗಳನ್ನು ಅರಿಯುವುದು.	7,8	U,E,C
CO 6	ಕೃಷಿ ಬದುಕು ಮಾನವೀಯ ಸಂಬಂಧಗಳು, ಸಾಮಾಜಿಕ ಜಾಲತಾಣಗಳಲ್ಲಿ ಕಮರಿ ಹೋಗುತ್ತಿರುವ ಬದುಕನ್ನು ಅರ್ಥೈಸಿಕೊಂಡು ಜೀವನ ಚೈತನ್ಯವನ್ನು ಮೂಡಿಸುವುದು.	3,6	U,Ap,C



# SMT. VEERAMMA GANGASIRI COLLEGE FOR WOMEN

(Affiliated to Karnataka State Akkamahadevi Women's University, Vijayapura & Re-accredited with 'A' grade by NAAC (3<sup>rd</sup> Cycle))

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**NAME OF THE PROGRAM: HINDI**

**NAME OF SPECIFIC PROGRAM:**

**B.A. (F.Y., S.Y. & T.Y./ SEMESTER I, II, III, IV, V & VI)**

**B. Sc. (F.Y. & S.Y./ SEMESTER I, II, III & IV)**

**B. Com. & B.B.M. (F.Y./ SEMESTER I. & II)**

PROGRAMME DETAILS	PO's, PSO's & CO's	OUTCOMES		
<b>PROGRAMME OUTCOMES: B.A. (HINDI)</b> <b>कार्यक्रम परिणाम: बी. ए. (हिन्दी)</b>	PO1	छात्रों को हिन्दी भाषा के उद्भाव और विकास का ज्ञान प्राप्त होगा ।		
	PO2	छात्रों में काव्यशास्त्र के प्रति रुचि जागृत होगी ।		
	PO3	छात्रों में हिन्दी साहित्य के इतिहास संबंध में यथोचित दृष्टिकोण विकसित होगा ।		
	PO4	साहित्य के विभिन्न विधाओं के माध्यम से भावनात्मक विकास होगा।		
	PO5	छात्रों को भाषाविज्ञान के माध्यम से हिन्दी भाषा के व्यवस्थित तथ यथोचित प्रयोग का ज्ञान प्राप्त होगा ।		
	PO6	छात्रों में हिन्दी साहित्य के माध्यम से नैतिक मूल्य, राष्ट्रीय मूल्य तथा सामाजिक मूल्यों के प्रति आस्था निर्माण होगा।		
	PO7	छात्र हिन्दी साहित्य के गद्य एवं पद्य विधाओं से परिचित होंगे ।		
	PO8	शुद्ध हिन्दी लेखन के नियमावली का ज्ञान प्राप्त करेंगे ।		
	PO9	छात्रों में हिन्दी भाषा साहित्य को समझने, अध्ययन करने, आस्वादन और मूल्यांकन की क्षमता निर्माण होगी ।		
	PO10	छात्रों को पारिभाषिक शब्दावली, सार लेखन तथा अनुवाद के अभ्यास के द्वारा व्यावहारिक हिन्दी तथा कार्यालयीन हिन्दी का ज्ञान प्राप्त होगा ।		
	PO11	हिन्दी व्याकरण और साहित्य का बुनियादी ज्ञान प्राप्त होगा ।		
	PO12	हिन्दी में प्रभावी संचार कौशल का विकास होगा ।		
	PO13	छात्रों की भाषाई क्षमता का विकास और उनकी रोजगार क्षमता में वृद्धि होगी ।		
<b>PROGRAMME SPECIFIC OUTCOMES: B.A. (HINDI)</b> <b>कार्यक्रम विशिष्ट परिणाम बी.ए. (हिन्दी)</b>	PSO1	हिन्दी भाषा का व्यवस्थित और यथोचित ज्ञान ।		
	PSO2	भावात्मक और सौन्दर्यात्मक विकास ।		
	PSO3	निवेदक और सूत्र संचालक ।		
	PSO4	हिंदी भाषा और साहित्य की उत्पत्ति को समझना ।		
	PSO5	समृद्ध हिंदी शब्दावली ।		
	PSO6	अपनी राष्ट्रीय भाषा के ज्ञान को दूसरों तक फैलाएं ।		
	PSO7	छात्रों को हिंदी भाषा और साहित्य में शोध अध्ययन के लिए तैयार और प्रेरित करना।		
			<b>PSO's Addressed</b>	<b>Cognitive Level</b>
<b>COURSE OUTCOMES: B.A. I (OPTIONAL)</b> <b>पाठ्यक्रम के</b>	CO1	उत्तम संप्रेषण, बोधगम्य, प्रेरक और रोचक पाठ्य सामग्री से छात्रों को साहित्य की विधाओं का इतिहास का ज्ञान प्राप्त होगा ।	1, 4.	R, U
	CO2	महिला साहित्य पर आधारित तात्विक लेख,	1, 5	R, U



<b>परिणाम: बी.ए. १ (ऐच्छिक)</b>		मध्यकालीन काव्य, आधुनिक काव्य, आत्मकथा का परिचय मिलेगा ।		
	CO3	युद्ध और शान्ति, जीवन संघर्ष का परिचयात्मक और साहित्य की सभी विधाओं के माध्यम से छात्रों का भावात्मक विकास होगा ।	1, 2, 4.	U, Ap
	CO4	पठित काव्य रचनाओं के माध्यम से छात्रों को हिन्दी काव्य की प्रमुख प्रवृत्तियों की जानकारी हासिल होगी ।	5	U, AP
	CO5	छात्रों में पाठ्य कृतियों के संदर्भ में समीक्षा की क्षमता बढ़ाएगा ।	3, 6, 7	U,Ap,AN
	CO6	भाषा की शुद्धता व सुन्दरता को बनाए रखने के लिए, व्याकरण के नियमों की आवश्यकता को समझाने में छात्र सफल होंगे ।	4	U, Ap, E, C
<b>COURSE OUTCOMES: B.A. II (OPTIONAL) पाठ्यक्रम के परिणाम: बी.ए. २ (ऐच्छिक)</b>	CO1	उपन्यास, कहानी, नाटक, एकांकी, निबंध, आलोचना जैसे महत्वपूर्ण गद्य विधाओं से छात्रों का ज्ञान वृद्धि होगी ।	1, 4	R,U
	CO2	पठित गद्य विधाओं से छात्रों में भावात्मक विकास होगा ।	1, 2, 4	U
	CO3	छात्रों को काव्य साहित्य की परिभाषाओं द्वारा काव्य के स्वरूप के साथ काव्य हेतु तथा काव्य के प्रयोजनों का समझने में उपयोगी होगा ।	4	U,Ap
	CO4	काव्य के प्रकार और प्रमुख सिद्धान्तों से परिचित होंगे ।	1, 5	U,AP
	CO5	छात्रों में काव्यशास्त्र की अभिरुचि जागृत होगी ।	3	AP,An
	CO6	महिला साहित्य (उपन्यास) के अध्ययन महिला समस्याओं से अवगत होंगे ।	1, 2	An, E,C
<b>COURSE OUTCOMES: B.A. III (OPTIONAL) पाठ्यक्रम के परिणाम: बी.ए. ३ (ऐच्छिक)</b>	CO1	छात्रों को गद्य भेदों के साथ एकांकी के स्वरूप एवं तत्वों की जानकारी होगी ।	5	R,U
	CO2	एकांकी के अंत में लेखक परिचय, एकांकी का आशय तथा कथित शब्दों का अर्थ भी देने से विधाओं को पढ़ने में छात्रों की ज्ञान वृद्धि होगी ।	1, 4	U,Ap
	CO3	छात्रों को उपन्यास विधा का तात्त्विक परिचय प्राप्त होगा ।	1, 2, 4	U,Ap
	CO4	छात्रों में उपन्यास साहित्य का आस्वादन, अध्ययन एवं मूल्यांकन की क्षमता बढ़ेगी ।	6, 7,	Ap,An,E
	CO5	छात्रों में भाव पल्लवन का अर्थ, नियम तथा पल्लवन की आवश्यकता की समझ बढ़ेगी ।	4	AP,An
	CO6	हिन्दी उपन्यास के विकास क्रम का अध्ययन कर शोध कार्य के लिए सहायक होगा ।	3, 6, 7	C





<b>COURSE OUTCOMES: B.A. IV (OPTIONAL)</b> <b>पाठ्यक्रम के परिणाम: बी.ए. ४ (ऐच्छिक)</b>	CO1	छात्रों को पाश्चात्य साहित्य शास्त्र परिचय और विकास क्रम का ज्ञान प्राप्त होगा ।	3, 6	R,U
	CO2	छात्रों को पाश्चात्य साहित्य शास्त्र के सिद्धान्तों का परिचय प्राप्त होगा ।	1, 2, 4	U,Ap
	CO3	साहित्य शास्त्रिय अध्ययन के द्वारा छात्रों में समीक्षात्मक दृष्टि विकसित होगी ।	7, 6, 3	U,AN
	CO4	छात्रों को भक्तिकालीन तथा रीतिकालीन काव्य प्रवृत्तियों की जानकारी प्राप्त होगी ।	5	U,E
	CO5	तत्कालीन प्रमुख कवि तथा उनकी कृतियों से अवगत होंगे ।	1, 2	U, An
	CO6	समकालीन समस्याओं का ऐतिहासिक ज्ञान की वृद्धि होगी ।	1, 4	C
<b>COURSE OUTCOMES: B.A. V 5.1 (OPTIONAL)</b> <b>पाठ्यक्रम के परिणाम: बी.ए. ५ ५.१ (ऐच्छिक)</b>	CO1	छात्रों को मध्यकालीन काव्य का परिचय होगा ।	1, 5	R,U
	CO2	छात्रों को मध्यकालीन कवियों के व्यक्तित्व से अवगत होंगे ।	1, 2	U
	CO3	छात्रों को भाषा विज्ञान की जानकारी प्राप्त होगी ।	5	U,Ap
	CO4	भाषा विज्ञान की परिभाषा, स्वरूप एवं प्रकार में शोधकार्य करने में मदद मिलेगी ।	7	Ap,An
	CO5	भाषा विज्ञान की विविधा शाखाओं का ज्ञान प्राप्त होगा ।	1, 4	U,Ap,E
	CO6	भाषा विज्ञान का अन्य विज्ञानों से संबंधों का विश्लेषण करने में सहायक होगी ।	1, 6, 7	An,C
<b>COURSE OUTCOMES: B.A. V 5.2 (OPTIONAL)</b> <b>पाठ्यक्रम के परिणाम: बी.ए. ५ ५.२ (ऐच्छिक)</b>	CO1	हिन्दी साहित्य के इतिहास के आधुनिककाल की जानकारी प्राप्त होगी ।	5	R,U
	CO2	हिन्दी काव्य साहित्य के विविध युगों का परिचय प्राप्त होगा ।	1, 5	U
	CO3	हिन्दी गद्य साहित्य के विकास क्रम की जानकारी प्राप्त होगी, जिससे शोधकार्य करने में मदद मिलेगी ।	1, 7	Ap,An
	CO4	उपन्यास, कहानी, नाटक, एकांकी, संस्मरण, जीवनी से अवगत होंगे ।	1, 2	U
	CO5	नारी साहित्य के इतिहास को अध्ययन करने से महिला समस्याओं की ज्ञान की वृद्धि होगी ।	1, 4	U,Ap,An,E
	CO6	हिन्दी साहित्य की प्रमुख महिला साहित्यकारों के व्यक्तित्व को पढ़ने में सफल होंगे ।	6,	E,C
<b>COURSE OUTCOMES: B.A. VI 6.1 (OPTIONAL)</b> <b>पाठ्यक्रम के</b>	CO1	छात्रों को मध्यकालीन काव्य का परिचय होगा ।	1, 5	R,U
	CO2	छात्रों को मध्यकालीन कवियों का जानकारी प्राप्त होगी ।	1, 5	U
	CO3	छात्रों को भाषा विज्ञान पढ़ने से ज्ञान की वृद्धि होगी ।	1, 4	U,Ap,An



## SMT. VEERAMMA GANGASIRI COLLEGE FOR WOMEN

(Affiliated to Karnataka State Akkamahadevi Women's University, Vijayapura & Re-accredited with 'A' grade by NAAC (3<sup>rd</sup> Cycle))

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<b>परिणाम: बी.ए. ६ ६.१ (ऐच्छिक)</b>	CO4	भाषा विज्ञान की परिभाषा, स्वरूप एवं प्रकार के अध्ययन से भविष्य में शोधकार्य करने में सहायक होगी ।	2, 3, 7	Ap,An,C
	CO5	भाषा विज्ञान की विविधा शाखाओं अध्ययन से इसी विषय को चुनने में मदद मिलेगी ।	1, 7	U,C
	CO6	भाषा विज्ञान का अन्य विज्ञानों से संबंधों अवगत होंगे।	1, 2	Ap, An,E
<b>COURSE OUTCOMES: B.A. VI 6.2 (OPTIONAL) पाठ्यक्रम के परिणाम: बी.ए. ६ ६.२ (ऐच्छिक)</b>	CO1	छात्रों को हिन्दी पत्रकारिता की समग्र जानकारी प्राप्त होगी ।	1, 5	R,U
	CO2	छात्रों को पत्रकारिता की परिभाषा, स्वरूप एवं प्रकारों की पढ़ने का सुअवसर प्राप्त होगा ।	4, 2	U
	CO3	छात्रों को विश्व पत्रकारिता के इतिहास का ज्ञान प्राप्त होगा ।	1, 4	U,AP
	CO4	छात्रों में हिन्दी पत्रकारिता के उद्भव और विकास क्रम के अध्ययन से ज्ञान में वृद्धि होगी ।	1, 4	U,Ap,An,E
	CO5	छात्रों को छन्द और अलंकार के अध्ययन से व्याकरण को समझने में मदद मिलेगी ।	1, 2, 4	Ap,An,E
	CO6	छात्रों को उपमा, रूपक, दीपक, विरोधाभास और विभावनाओं के अध्ययन से व्याकरण से अवगत होंगे।	1, 2	U,C
<b>PROGRAMME SPECIFIC OUTCOMES: B.A. (HINDI) कार्यक्रम विशिष्ट परिणाम बी.ए. (हिन्दी)</b>	PSO1	हिन्दी भाषा का व्यवस्थित और यथोचित ज्ञान ।		
	PSO2	भावात्मक और सौन्दर्यात्मक विकास ।		
	PSO3	निवेदक और सूत्र संचालक ।		
	PSO4	हिंदी भाषा और साहित्य की उत्पत्ति को समझना ।		
	PSO5	समृद्ध हिंदी शब्दावली ।		
	PSO6	अपनी राष्ट्रीय भाषा के ज्ञान को दूसरों तक फैलाएं ।		
	PSO7	छात्रों को हिंदी भाषा और साहित्य में शोध अध्ययन के लिए तैयार और प्रेरित करना।		
			<b>PSO's Addressed</b>	<b>Cognitive Level</b>
<b>COURSE OUTCOMES: B.A. I (BASIC) पाठ्यक्रम के परिणाम: बी.ए. १ (अनिवार्य)</b>	CO1	छात्रों को हिन्दी कहानी साहित्य के इतिहास का ज्ञान प्राप्त होगा ।	1, 4	R,U
	CO2	छात्रों को हिन्दी साहित्य के विविध कहानिकारों से परिचित होने का सुअवसर प्राप्त होगा ।	4, 2	U
	CO3	छात्रों को हिन्दी कहानियों को पढ़ने से भाषा कौशल वृद्धि होगी ।	1, 2, 7	U,Ap,An
	CO4	छात्रों को हिन्दी पत्रकारिता को जानने का अवसर प्राप्त होगा ।	4	U,AP
	CO5	छात्रों को हिन्दी महिला पत्रकारों के जीवन एवं उपलब्धियों के अध्ययन से शोधकार्य के लिए उपयुक्त	1, 7	U,Ap,An,C



		होगा ।		
	CO6	छात्रों को हिन्दी निबंध के अध्ययन से साहित्य के अन्य विधा का परिचय प्राप्त होगा ।	1, 2	U,Ap,An,E
<b>COURSE OUTCOMES: B.A. II (BASIC)</b> <b>पाठ्यक्रम के परिणाम: बी.ए. २ (अनिवार्य)</b>	CO1	छात्रों को हिन्दी साहित्य के कवियों के व्यक्तित्व और काव्य रचना के पद्धति को जानने का अवसर मिलेगा।	1, 4	R,U
	CO2	छात्रों को हिन्दी के प्रमुख कवियों को जानने का और कविता पाठ का मौका मिलेगा ।	2, 1	U,Ap
	CO3	छात्रों को हिन्दी की प्रमुख महिला कवियों के काव्य का अध्ययन करने से महिला समस्याओं का ज्ञान प्राप्त होगा ।	3, 6	U
	CO4	छात्रों को हिन्दी व्याकरण के अध्ययन से लेखनी शुद्धी करने का अवकाश मिलेगा ।	3, 2,	U,Ap,An
	CO5	छात्रों को पत्र लेखन के द्वारा लिखने की कला पर पकड़ मजबूत होगी ।	2, 3	U,AP,E
	CO6	छात्रों को पत्र लेखन के अवकाश के कारण, पत्र व्यवहार करने में मदद मिलेगी ।	3, 1,	Ap, C
<b>COURSE OUTCOMES: B.A. III (BASIC)</b> <b>पाठ्यक्रम के परिणाम: बी.ए. ३ (अनिवार्य)</b>	CO1	छात्रों को हिन्दी एकांकिकारों के व्यक्तित्व को पहचानने का अवसर प्राप्त होगा ।	2,	R, U
	CO2	छात्रों को हिन्दी साहित्य के एक विधा का परिचय होगा ।	1, 2	U
	CO3	छात्रों को हिन्दी एकांकियों के अध्ययन से मंच का ज्ञान प्राप्त होगा ।	3, 6	U
	CO4	छात्रों को एकांकी और नाटक के अंतर को समझने का मौका मिलेगा ।	1, 2, 3	U,Ap,An
	CO5	छात्रों को भावपल्लवन के द्वारा भावनात्मक अभिव्यक्ति प्राप्त होगी ।	1, 2, 7	U,Ap,An,E
	CO6	छात्रों को भावपल्लवन के प्रयोग करने से लिखने की कला में अभिरुचि जागृत होगी ।	3, 6,	Ap,An,C
<b>COURSE OUTCOMES: B.A. IV (BASIC)</b> <b>पाठ्यक्रम के परिणाम: बी.ए. ४ (अनिवार्य)</b>	CO1	छात्रों को हिन्दी की श्रेष्ठ लेखिका मीराबाई के व्यक्तित्व को पहचानने का अवसर मिलेगा ।	1, 2, 4,	R,U
	CO2	छात्रों को मीराबाई की रचनाओं को जानने का सुअवसर प्राप्त होगा ।	4	U
	CO3	छात्रों को मीराबाई के जीवन संघर्ष को देखने का मौका मिलेगा ।	2	U,An
	CO4	छात्रों को मीराबाई के जीवन से भाक्ति में लीन कैसे हो सकते हैं? इसका ज्ञान प्राप्त होगा ।	3, 6	U
	CO5	छात्रों को संक्षेपण के अध्ययन से साहित्य के प्रकारों को लघुतर करने की कला जागृत होगी ।	2, 4, 6	AP,An,E
	CO6	छात्रों को संक्षेपण के अध्ययन एवं प्रयोग से लिखने	3, 6	Ap, C



		की कला में शुद्धी आयेगी ।		
<b>COURSE OUTCOMES: B.A. V (BASIC) पाठ्यक्रम के परिणाम: बी.ए. ५ (अनिवार्य)</b>	CO1	छात्रों को उपन्यास के तत्वों को जानने का मौका मिलेगा ।	3, 6	U
	CO2	छात्रों को उपन्यास के अध्ययन से लिखने की रुचि जागृत होगी ।	2,,4,,6	U,Ap,An
	CO3	छात्रों को उपन्यास और अन्य विधाओं के अंतर को समझने की कला उत्पन्न होगी ।	4, 6	U
	CO4	छात्रों को हिन्दी साहित्य के कवियों के व्यक्तित्व और काव्य रचना के पद्धति को जानने का अवसर मिलेगा।	2, 4	U,AP,An
	CO5	छात्रों को हिन्दी के प्रमुख कवियों को जानने का और कविता पाठ का सुअवसर प्राप्त होगा ।	2, 4	U
	CO6	छात्रों को हिन्दी की प्रमुख कवियों के काव्य का अध्ययन करने १९वीं सदी और अबकी समस्याओं का ज्ञान प्राप्त होगा ।	3, 6	U,E,C
<b>COURSE OUTCOMES: B.A. VI (BASIC) पाठ्यक्रम के परिणाम: बी.ए. ६ (अनिवार्य)</b>	CO1	छात्रों को हिन्दी कहानी साहित्य के इतिहास का ज्ञान प्राप्त होगा ।	3, 6	R,U
	CO2	छात्रों को हिन्दी साहित्य के विविध कहानिकारों से परिचित होने का सुअवसर प्राप्त होगा ।	2, 4	U
	CO3	छात्रों को हिन्दी कहानियों को पढ़ने से भाषा कौशल वृद्धि होगी ।	2, 3, 4, 7	U,AP
	CO4	छात्रों को हिन्दी साहित्य के कवियों के व्यक्तित्व और काव्य रचना के पद्धति को जानने का अवसर मिलेगा।	2, 4	U,AP,An
	CO5	छात्रों को हिन्दी के प्रमुख कवियों को जानने का और कविता पाठ का सुअवसर प्राप्त होगा ।	2, 4	U,E
	CO6	छात्रों को हिन्दी की प्रमुख कवियों के काव्य का अध्ययन करने १९वीं सदी और अबकी समस्याओं का ज्ञान प्राप्त होगा ।	3, 6	U,E,C
<b>PROGRAMME OUTCOMES: B. Sc. (HINDI) कार्यक्रम परिणाम: बी. एससी. (हिन्दी)</b>	PO1	साहित्य के विभिन्न विधाओं के माध्यम से भावनात्मक विकास होगा ।		
	PO2	छात्रों में हिन्दी साहित्य के विविध विधाओं से नैतिक मूल्य, राष्ट्रीय मूल्य तथा सामाजिक मूल्यों के प्रति आस्था निर्माण होगा।		
	PO3	छात्र हिन्दी साहित्य के गद्य एवं पद्य विधाओं से परिचित होंगे ।		
	PO4	शुद्ध हिन्दी लेखन के नियमावली का ज्ञान प्राप्त करेंगे।		
	PO5	छात्रों में हिन्दी भाषा साहित्य को समझने, अध्ययन करने, आस्वादन और मूल्यांकन की क्षमता निर्माण होगी ।		
	PO6	छात्रों को पारिभाषिक शब्दावली, सार लेखन तथा अनुवाद के अभ्यास के द्वारा व्यावहारिक हिन्दी तथा कार्यालयीन हिन्दी का ज्ञान प्राप्त होगा ।		
	PO7	हिन्दी व्याकरण और साहित्य का बुनियादी ज्ञान प्राप्त होगा ।		
	PO8	हिन्दी में प्रभावी संचार कौशल का विकास होगा ।		



	PO9	छात्रों की भाषाई क्षमता का विकास और उनकी रोजगार क्षमता में वृद्धि होगी ।		
	PO10	छात्रों को पारिभाषिक शब्दावली, सार लेखन तथा अनुवाद के अभ्यास के द्वारा व्यावहारिक हिन्दी तथा कार्यालयीन हिन्दी का ज्ञान प्राप्त होगा ।		
PROGRAMME SPECIFIC OUTCOMES: B.Sc. (HINDI) कार्यक्रम विशिष्ट परिणाम बी.एससी. (हिन्दी)	PSO1	हिन्दी भाषा का व्यवस्थित और यथोचित ज्ञान ।		
	PSO2	भावात्मक और सौन्दर्यात्मक विकास ।		
	PSO3	निवेदक और सूत्र संचालक ।		
	PSO4	हिंदी भाषा और साहित्य की उत्पत्ति को समझना ।		
	PSO5	समृद्ध हिंदी शब्दावली ।		
	PSO6	अपनी राष्ट्रीय भाषा के ज्ञान को दूसरों तक फैलाएं ।		
			PSO's Addressed	Cognitive Level
COURSE OUTCOMES: B.Sc. I (HINDI) पाठ्यक्रम के परिणाम: बी.एससी. १ (हिन्दी)	CO1	छात्रों को हिन्दी कहानी साहित्य के इतिहास का ज्ञान प्राप्त होगा ।	3, 6	R,U
	CO2	छात्रों को हिन्दी साहित्य के विविध कहानिकारों से परिचित होने का सुअवसर प्राप्त होगा ।	2, 4	U
	CO3	छात्रों को हिन्दी कहानियों को पढ़ने से भाषा कौशल वृद्धि होगी ।	1, 2	U,AP
	CO4	छात्रों को व्याकरण के अध्ययन से वर्तनी शुद्ध होगी ।	4, 6	Ap,An,E
	CO5	छात्रों को हिन्दी व्याकरण के शब्द भेद, संज्ञा और क्रिया को पढ़ने से लेख लिखने में सहायक होगी ।	2	Ap,An,E
	CO6	छात्रों को हिन्दी व्याकरण के सर्वनाम, विशेषण एवं संपूर्ण व्याकरण के अध्ययन से पत्राचार में उपयोग होगा ।	4, 3	AP,An,E,C
COURSE OUTCOMES: B.Sc. II (HINDI) पाठ्यक्रम के परिणाम: बी.एससी. २ (हिन्दी)	CO1	छात्रों को हिन्दी कहानी साहित्य के इतिहास का ज्ञान प्राप्त होगा ।	2, 6	R,U
	CO2	छात्रों को हिन्दी साहित्य के विविध कहानिकारों से परिचित होने का सुअवसर प्राप्त होगा ।	2, 4	U
	CO3	छात्रों को हिन्दी नाटक साहित्य का सामान्य परिचर प्राप्त होगा ।	1, 2	U
	CO4	छात्रों को हिन्दी नाटक अंधेरी नगरी पठन से लिखने की कला जागृत होगी ।	4	U,Ap
	CO5	छात्रों को हिन्दी नाटककार मोहन राकेश के व्यक्तित्व और कृतित्व अध्ययन से उनके लिखने की कला को समझेंगे ।	1, 2, 3	U,Ap,An,E
	CO6	छात्रों को हिन्दी व्याकरण के अध्ययन से लेखनी शुद्धि होगी ।	3, 6	E, C
COURSE	CO1	छात्रों को हिन्दी उपन्यास साहित्य के इतिहास का ज्ञान प्राप्त होगा ।	2, 6	R,U



## SMT. VEERAMMA GANGASIRI COLLEGE FOR WOMEN

(Affiliated to Karnataka State Akkamahadevi Women's University, Vijayapura & Re-accredited with 'A' grade by NAAC (3<sup>rd</sup> Cycle))

PDA Engineering College Road, Aiwan-E-Shahi Area, KALABURAGI-585102-Karnataka-INDIA

Website: [www.vgcollege.in](http://www.vgcollege.in) e-mail: [vgdcprincipal@gmail.com](mailto:vgdcprincipal@gmail.com) Phone: 08472-220374

<b>OUTCOMES: B.Sc. III (HINDI)</b> पाठ्यक्रम के परिणाम: बी.एससी. ३ (हिन्दी)	CO2	छात्रों को हिन्दी साहित्य सुप्रसिद्ध उपन्यासका प्रेमचंद से परिचित होने का सुअवसर प्राप्त होगा ।	2, 4	U
	CO3	छात्रों को निर्मला उपन्यास महिला समस्या से अवगत होंगे ।	1, 2	U
	CO4	छात्र महिला प्रधान उपन्यासों के अध्ययन से जीवन से लड़ने की शक्ति प्रदान होगी ।	2, 3	U,Ap,An
	CO5	छात्रों को अनुवाद कला के अध्ययन से अनुवाद करने में सक्षमता प्राप्त होगी ।	3	Ap,An
	CO6	छात्रों को अनुवाद कला में प्रशिक्षण से अनुवाद करने में मदद मिलेगी ।	2, 4	E, C
<b>COURSE OUTCOMES: B.Sc. IV (HINDI)</b> पाठ्यक्रम के परिणाम: बी.एससी. ४ (हिन्दी)	CO1	छात्रों को हिन्दी नाटक साहित्य के इतिहास का ज्ञान प्राप्त होगा ।	2, 6	R,U
	CO2	छात्रों को हिन्दी साहित्य के श्रेष्ठ नाटककार भीष्म सहानी के व्यक्तित्व और कृतित्व से परिचित होने का सुअवसर प्राप्त होगा ।	2, 4	U
	CO3	छात्रों को हिन्दी नाटक साहित्य का सामान्य परिचर प्राप्त होगा ।	1, 2	U
	CO4	छात्रों को हिन्दी नाटक माधवी के अध्ययन से महिला समस्याओं से अवगत होंगे ।	1, 2	U,AP,An
	CO5	छात्रों को व्याकरण का संक्षिप्त ज्ञान प्राप्त लेखनी शुद्धि बढेगी ।	3, 4	Ap,E
	CO6	छात्रों को हिन्दी में पत्राचार करने की क्षमता बढेगी ।	3, 4	Ap,An,E
<b>PROGRAMME OUTCOMES: B. Com/BBM. (HINDI)</b> कार्यक्रम परिणाम: बी.कॉम/बीबीएम. (हिन्दी)	PO1	साहित्य के विभिन्न विधाओं के माध्यम से भावनात्मक विकास होगा ।		
	PO2	छात्रों में हिन्दी साहित्य के विविध विधाओं से नैतिक मूल्य, राष्ट्रीय मूल्य तथा सामाजिक मूल्यों के प्रति आस्था निर्माण होगा।		
	PO3	छात्र हिन्दी साहित्य के गद्य एवं पद्य विधाओं से परिचित होंगे ।		
	PO4	शुद्ध हिन्दी लेखन के नियमावली का ज्ञान प्राप्त करेंगे।		
	PO5	छात्रों में हिन्दी भाषा साहित्य को समझने, अध्ययन करने, आस्वादन और मूल्यांकन की क्षमता निर्माण होगी ।		
	PO6	छात्रों को पारिभाषिक शब्दावली, सार लेखन तथा अनुवाद के अभ्यास के द्वारा व्यावहारिक हिन्दी तथा कार्यालयीन हिन्दी का ज्ञान प्राप्त होगा ।		
	PO7	हिन्दी व्याकरण और साहित्य का बुनियादी ज्ञान प्राप्त होगा ।		
	PO8	हिन्दी में प्रभावी संचार कौशल का विकास होगा ।		
	PO9	छात्रों की भाषाई क्षमता का विकास और उनकी रोजगार क्षमता में वृद्धि होगी ।		
	PO10	छात्रों को पारिभाषिक शब्दावली, सार लेखन तथा अनुवाद के अभ्यास के द्वारा व्यावहारिक हिन्दी तथा कार्यालयीन हिन्दी का ज्ञान प्राप्त होगा ।		
<b>COURSE OUTCOMES:</b>	PSO1	हिन्दी भाषा का व्यवस्थित और यथोचित ज्ञान ।		
	PSO2	भावात्मक और सौन्दर्यात्मक विकास ।		





<b>B. Com/BBM. (HINDI) पाठ्यक्रम के परिणाम: बी.कॉम/बीबीएम (हिन्दी)</b>	PSO3	निवेदक और सूत्र संचालक ।		
	PSO4	हिंदी भाषा और साहित्य की उत्पत्ति को समझना ।		
	PSO5	समृद्ध हिंदी शब्दावली ।		
	PSO6	अपनी राष्ट्रीय भाषा के ज्ञान को दूसरों तक फैलाएं ।		
			<b>PSO's Addressed</b>	<b>Cognitive Level</b>
<b>COURSE OUTCOMES: B.Com/BBM I (HINDI) पाठ्यक्रम के परिणाम: बी.कॉम/बीबीएम. १ (हिन्दी)</b>	CO1	छात्रों को हिन्दी एकांकी साहित्य का ज्ञान प्राप्त होगा।	2, 6	R,U
	CO2	छात्रों को हिन्दी के विविध एकांकियों का परिचित प्राप्त करेंगे ।	2, 4	U
	CO3	छात्रों को हिन्दी कहानियों के अध्ययन से विभिन्न समस्याओं से अवगत होंगे ।	1, 2	U
	CO4	छात्रों को संप्रेषण की जानकारी प्राप्त होगा ।	1, 2, 4	AP,An
	CO5	छात्रों को पत्रों के प्रकारों के अध्ययन से पत्राचार में मदद मिलेगी	2, 3	Ap,An,E
	CO6	छात्रों को हिन्दी में पत्र लिखने की कला में क्षमता वृद्धि होगी ।	2, 4, 6	Ap, C
<b>COURSE OUTCOMES: B.Com/BBM II (HINDI) पाठ्यक्रम के परिणाम: बी.कॉम/बीबीएम. २ (हिन्दी)</b>	CO1	छात्रों को हिन्दी साहित्य के काव्य परंपरा का ज्ञान प्राप्त होगा ।	2, 6	R,U
	CO2	छात्रों को हिन्दी साहित्य के सुप्रसिद्ध कवियों के काव्यों को पढ़ने का सुअवसर प्राप्त होगा ।	2, 4	U
	CO3	छात्रों को हिन्दी में काव्य रचना करने की अभिव्यक्ति जागृत होगी ।	4, 5	U, Ap
	CO4	छात्रों को हिन्दी व्याकरण से परिचित होने से लेखनी शुद्धि होगी ।	3	Ap,An, E
	CO5	छात्रों को संक्षेपण के अध्ययन से रचनाओं को संक्षिप्त करने की कला प्राप्त होगी ।	2, 3	Ap,An,E
	CO6	छात्रों को भाव पल्लवन करने में अभिरुचि जागृत होगी।	3, 6	An, C

## Department of Urdu

### Programme : B.Sc. Urdu (Basic)

#### Programme Specific Outcomes (PSOs) for B.Sc. (Basic)

Sl. No. on completing B.Sc. (Basic) the student will be able to

- I. Remembering PSO 1 : Know about Urdu essayist Novelist  
Dramatist, Short story writer and new  
And old poets and their poetry
- II. Understanding PSO 2: Gain knowledge about authors, Poets their  
lives and their contribution to Urdu literature.
- III. Applying PSO 3 : Providing information about Urdu Grammar
- IV. Analyzing PSO 4 : Gain ability to effectively communicate in  
Urdu and able to translate from Urdu  
English language to Urdu language and  
Vice-versa
- V. Creating PSO5 : Create awareness about Urdu fictional and  
Non-fictional prose

### B.Sc. I sem

**Course Title : Adabi fun parey (Prose, poetry and essay writing)**

**Course Code : A050**

Sl. No.	On completing the course the student will be able to	PSO address	Cognitive level
CO 1	Brief knowledge about short stories and Drama	I,II,VI	R.U.C.
CO 2	Read and learn poems	I,II,VI	R.U.C.
CO 3	Familiar with modes of expression like essay writing	III	A



### **B.Sc. II sem**

**Course Title : Adabi fun parey (Prose, poetry and translation)**

**Course Code : B050**

Sl. No.	On completing the course the student will be able to	PSO address	Cognitive level
CO 1	Brief knowledge about Essay & Humour & Satire	I,II,VI	R.U.C.
CO 2	Get Opportunity to learn famous Urdu Poet poetry and Ghazal	I,II,VI	R.U.C.
CO 3	Attempt translation form English to Urdu	IV	A

### **B.Sc. III sem**

**Course Title : Novel, Poetry & Grammar**

**Course Code :C050**

Sl. No.	On completing the course the student will be able to	PSO address	Cognitive level
CO 1	Know about famous Urdu Novel Barish Sang By Jeelanin Banu	I,II,VI	R.U.C.
CO 2	Learn and Read about famous poems of Altaf Hussain Hali	I,II,VI	R.U.C.
CO 3	Understand the Urdu Gammar(Urdu Sarf)	III	A

### **B.Sc. IVsem**

**Course Title : Prose, Poetry & Grammar**

**Course Code :D050**

Sl. No.	On completing the course the student will be able to	PSO address	Cognitive level
CO 1	Provide information about sketches and Sketch writers	I,II,VI	R.U.C.
CO 2	Fair knowledge of Humour and satire and study of selected poems of Sulaiman	I,II,VI	R.U.C.
CO 3	Understand the Urdu Gammar(Urdu Naho)	III	A

## **Programme : B.Com Urdu (Basic)**

### **Programme Specific Outcomes (PSOs) for B.Com (Basic)**

Sl. No. on completing B.Com (Basic) the student will be able to

- I. Remembering PSO 1 : Know about Urdu essayist Novelist  
Dramatist, Short story writer and new  
And old poets and their poetry
- II. Understanding PSO 2: Gain knowledge about authors, Poets their  
lives and their contribution to Urdu literature.
- III. Applying PSO 3 : Providing information about Urdu Grammar
- IV. Analyzing PSO 4 : Gain ability to effectively communicate in  
Urdu and write effectively Business letters
- V. Creating PS05 : Create awareness about Urdu fictional and  
Non-fictional prose

### **B.Com I sem**

**Course Title : Prose, Poetry & Business letter writing**

**Course Code: A050**

Sl. No.	On completing the course the student will be able to	PSO address	Cognitive level
CO 1	Brief knowledge about Essay & Sketches	I,II,VI	R.U.C.
CO 2	Get opportunity to learn famous Urdu poet poetry and Ghazal	I,II,VI	R.U.C.
CO 3	Understand the various concepts of Business letters	IV	A

### **B.Com II sem**

**Course Title : Prose, Poetry & Business letter writing**

**Course Code:B050**

Sl. No.	On completing the course the student will be able to	PSO address	Cognitive level
CO 1	Brief knowledge about Essay & Sketches	I,II,VI	R.U.C.
CO 2	Get opportunity to learn famous Urdu poet poetry and Ghazal	I,II,VI	R.U.C.
CO 3	Understand the various concepts of Business letters	IV	A

## **Programme : B.A. Urdu (Basic)**

### **Programme Specific Outcomes (PSOs) for B.A. (Basic)**

Sl. No. on completing B.A. (Basic) the student will be able to

- I. Remembering PSO 1 : Know about Urdu essayist Novelist  
Dramatist, Short story writer and new  
And old poets and their poetry
- II. Understanding PSO 2: Gain knowledge about authors, Poets their  
lives and their contribution to Urdu literature.
- III. Applying PSO 3 : Providing information about Urdu Grammar
- IV. Analyzing PSO 4 : Gain ability to effectively communicate in  
Urdu and able to translate from Urdu  
English language to Urdu language and  
Vice-versa
- V. Creating PS05 : Create awareness about Urdu fictional and  
Non-fictional prose

### **B.A I sem**

**Course Title : Guldasta-e-Adab (Prose, poetry and essay writing)**

**Course Code : A050**

Sl. No.	On completing the course the student will be able to	PSO address	Cognitive level
CO 1	Brief knowledge about prose	I,II,VI	R.U.C.
CO 2	Get opportunity to learn famous Urdu Poets Poetry and Ghazal	I,II,VI	R.U.C.
CO 3	Familiar with modes of expression like essay writing	III	A

### **B.A II sem**

**Course Title : Guldasta-e-Adab (Prose, poetry and Translation)**

**Course Code : B050**

Sl. No.	On completing the course the student will be able to	PSO address	Cognitive level
CO 1	Brief knowledge about Short ,stories ,Sketches and essays	I,II,VI	R.U.C.
CO 2	Read and learn the classical poems of Urdu literature	I,II,VI	R.U.C.
CO 3	Attempt translation from English to Urdu	IV	A

### **B.A III sem**

**Course Title : Adab Shamashi (Prose, poetry and Grammar)**

**Course Code : C050**

Sl. No.	On completing the course the student will be able to	PSO address	Cognitive level
CO 1	Brief knowledge about essays Short ,stories and Humour & Satire.	I,II,VI	R.U.C.
CO 2	Read and learn poems of eminent poets	I,II,VI	R.U.C.
CO 3	Understand the Urdu grammar (Urdu Sarf)	III	A

### **B.A IV sem**

**Course Title : Adab Shamashi (Prose, poetry and Grammar)**

**Course Code : D050**

Sl. No.	On completing the course the student will be able to	PSO address	Cognitive level
CO 1	Brief knowledge about Short stories , Drama and Humour & Satire.	I,II,VI	R.U.C.
CO 2	Read and learn ghazal of eminent poet & poetries and poems of classical poets	I,II,VI	R.U.C.
CO 3	Understand the Urdu grammar (Urdu Nahu)	III	A

## **B.A V sem**

**Course Title : Novel & Poetry**

**Course Code : E050**

Sl. No.	On completing the course the student will be able to	PSO address	Cognitive level
CO 1	To impart knowledge about urdu navel its origin, history, elements	I,II,VI	R.U.C.
CO 2	Know about famous Urdu Novel Taubatun-nusu by Nazeer Ahmed	I,II,VI	R.U.C.
CO 3	Learn about the famous poems of Faiz Ahmed Faiz and life contribution.	I,II,VI	R.U.C.

## **B.A VI sem**

**Course Title : Prose & Poetry**

**Course Code : F050**

Sl. No.	On completing the course the student will be able to	PSO address	Cognitive level
CO 1	Know about the Urdu essay of famous Urdu essayist	I,II,VI	R.U.C.
CO 2	Read and understand and enjoy Urdu classical Ghazals	I,II,VI	R.U.C.
CO 3	Know about the famous Urdu Poet Nazeer Akbar Aabadi and his poetry	I,II,VI	R.U.C.

## **Programme : B.A. (Optional) Urdu**

### **Programme Specific Outcomes (PSOs) for B.A. (Optional)**

Sl. No. on completing B.A. (Optional) the student will be able to

- I. Remembering PSO 1 : To identify student to the study of Urdu literature  
its concepts and principles
- II. Understanding PSO 2: To impart knowledge about the different forms of  
Urdu literature
- III. Applying PSO 3 : Acquired knowledge about school of through in  
Urdu prose and poetry
- IV. Analyzing PSO 4 : Providing information about the poetry (Ghazals)  
of Meer Ghalib & Iqbal
- V. Creating PS05 : Create awareness about Urdu fictional and  
Non-fictional prose

### **B.A I sem**

**Course Title : Dastaan, Novel & Poetry (Masnavi)**

**Course Code : A250**

Sl. No.	On completing the course the student will be able to	PSO address	Cognitive level
CO 1	Know about the Urdu Daastan and Daastannigar Contribution in Urdu literature	I,II,VI	R.U.C.
CO 2	Know about the Urdu Novel, Novelist contribution in Urdu literature	I,II,VI	R.U.C.
CO 3	Understand the Masnavi (one type of Urdu poetry)	III, VI	A, C

### **B.A II sem**

**Course Title : Novel, Drama & Poetry (Masnavi)**

**Course Code : B250**

Sl. No.	On completing the course the student will be able to	PSO address	Cognitive level
CO 1	Know about the Urdu Novel, Novelist contribution in Urdu literature	I,II,VI	R.U.C.
CO 2	Gain knowledge about the Urdu Drama, Dramatist contribution in Urdu literature	I,II,VI	R.U.C.
CO 3	Know famous Urdu Ghazal poet Ghalib and his poetry	II, III	U,A

### **B.A III sem**

**Course Title : Afsana, Sawneh & Marsiya**

**Course Code : C250**

Sl. No.	On completing the course the student will be able to	PSO address	Cognitive level
CO 1	Know famous Urdu women short writers & their short stories	II,VI	U.C.
CO 2	Acquire knowledge of auto biography	II,VI	U.C.
CO 3	Understand the marsiya one form of Urdu poetry	III, VI	A,C

### **B.A IV sem**

**Course Title : Khaka, Safarnama & Nam**

**Course Code : D250**

Sl. No.	On completing the course the student will be able to	PSO address	Cognitive level
CO 1	Provide information about sketches and sketch writers	I,II,VI	R.U.C.
CO 2	Provide information about Travelogue (Safarnama)	II,VI	U.C.
CO 3	To know about Urdu Nazm poet Allama Iqb al and his poetry	III, VI	A,C

### **B.A V sem 5.1**

**Course Title : History of Urdu literature linguistic and Hindustane lismiyat**

**Course Code : E290**

Sl. No.	On completing the course the student will be able to	PSO address	Cognitive level
CO 1	Understand the concept of Urdu literature & linguistic	I,II,VI	R.U.A
CO 2	Understand the different aspects about Urdu language and growth of Urdu language	I,II,III	R.U.A
CO 3	To know about Urdu literature with its historical prospective.	III, VI	R.U.A

### **B.A V sem 5.2**

**Course Title : History of Urdu literature literature and Deccani poetry**

**Course Code :E300**

Sl. No.	On completing the course the student will be able to	PSO address	Cognitive level
CO 1	Get knowledge about the different forms of Urdu literature	I,II,VI	R.U.A
CO 2	Fair knowledge about school of through in Urdu literature	I,II,III	U.A.C
CO 3	Fare knowledge of Humour and Satire and study of selected poems of sulaiman Khateeb	II,III, VI	U.A.A



### **B.A V sem 6.1**

**Course Title : Criticism, Humour & Satire**

**Course Code : F290**

Sl. No.	On completing the course the student will be able to	PSO address	Cognitive level
CO 1	To know about the origin and development of criticism	I,II,VI	R.U.C
CO 2	Understand and acquire skill of writing humour & satire	III,IV VI	A.A.C
CO 3	Learn about the major contribution of Mushtaq Ahmed Yousufi	III,IV,VI	A.A.C

### **B.A V sem 6.2**

**Course Title : Autobiography & Selected poetry**

**Course Code : F300**

Sl. No.	On completing the course the student will be able to	PSO address	Cognitive level
CO 1	To know about the origin of Autobiography	II,III,VI	U.A.C
CO 2	Develop the skill of autobiography	II,III,VI	U.A.C
CO 3	Learn about the life & contribution of Meer (Classical Ghazal poet) and his Ghazals	III,IV,VI	A.A.C

## DEPARTMENT OF ENGLISH

### PROGRAMME SPECIFIC OUTCOMES (PSOs) FOR BA/BSC/B.COM/BBM BASIC ENGLISH

SL.NO	On completing Basic English, the student will be able to
1.	Improve their communication skills through discussions, seminars and written works.
2.	To understand the current state of knowledge.
3.	Apply for translator in various government departments or can also take a project for any official correspondence work. This will be a unique way to earn and to show their ability in a challenging world.
4.	To appraise the love of nature and environment issues.
5.	Evaluate their own ability in listening, speaking, reading and writing both at practical and theoretical level.
6.	To write content of any Website which helps them to earn rich amount of source.
7.	To criticize works of literature and also of cultural criticism and apply them in their own context.
8.	To get acquainted with the language poetical style and diction to interpret any literary text.
9.	Imbibe moral and human values through study of English language and literature such as gender discrimination .
10.	To make accurate use of English language in their respective field and communicate effectively.

## **COURSE OUTCOMES ( COs)**

**COURSE TITLE: BASIC ENGLISH BA I SEM**

**COURSE CODE: A010**

<b>Sl.No</b>	<b>On completing the course, the student will be able</b>	<b>PSOs Addressed</b>	<b>Cognitive Levels</b>
1	To remember previously studied grammar topics and communication skills.	1,4,6	R,Ap,C
2	To understand the difference between spoken and written English.	1,3,4	R,U,Ap,An,
3	To Students develop knowledge of English grammar.	1,2,4	R,U,Ap,E,C
4	To analyze and study the poetry critically.	2,8,9	U,Ap,An,E
5	To write and appreciate different types of prose.	2,6,7,9	U,E,C
6	To develop critical thinking in students.	2,6,7,9	U,E,C

**COURSE TITLE: BASIC ENGLISH BA II SEM**

**COURSE CODE: B010**

<b>Sl.No</b>	<b>On completing the course, the student will be able</b>	<b>PSOs Addressed</b>	<b>Cognitive Levels</b>
1	To recall the previously studied of literature and grammar.	1,5	R,U,E
2	To ask questions about the presently prescribed units.	2,5,8	U,A,E
3	To apply appropriate strategies in the writing process including prewriting, composing, revising and editing technique.	1,3,5,7,10	R,U,Ap,E,C
4	Connect the rules of grammar, spelling, usage and punctuation. So that the ideas are clear.	1,3,5,6,10	R,U,Ap,C
5	Attain an enhanced competence in the four modes of literacy: writing speaking, reading and listening.	1,3,4,5,7,8,9,10	R,U,Ap,An,E,C
6	To create a base for further learning by students through higher studies and through work life.	3,4,5	R,U,Ap,An,E,C

**COURSE TITLE: BASIC ENGLISH BA III SEM****COURSE CODE: C010**

<b>Sl.No</b>	<b>On completing the course, the student will be able</b>	<b>PSOs Addressed</b>	<b>Cognitive Levels</b>
1	Familiarize national heritage and values of Indian life and social system.	2,4,7,8,9	U,Ap,An,E,C
2	Understand the importance of travelogues and introduce them to paragraph writing.	1,2,3,10	U,Ap,C
3	Decipher the mechanism of language and use it for success.	1,3,5,6,10	U,Ap,An,E,C
4	Critically analyze the complex text.	2,7,9,	U,Ap,E,C
5	Develop an ability to interpret, evaluate and apply what they read in their courses and real-life situation.	1,2,3,6,7,10	R,U,Ap,An,E,C
6	Perform various speaking and writing task such as role plays, debate, group discussion and essays.	1,3,5,10	U,Ap,E,C

**COURSE TITLE: BASIC ENGLISH BA IV SEM****COURSE CODE: D010**

<b>Sl.No</b>	<b>On completing the course, the student will be able</b>	<b>PSOs Addressed</b>	<b>Cognitive Levels</b>
1	To memorize knowledge of vocabulary and grammar.	1,3,5	R,U
2	To understand the nature of the subject.	2,4,5,8,9	U,Ap,E,C
3	Develop the writing and communication skills in English.	1,3,5,6,10	U,Ap,An,C
4	Analyze instance of variety of literary forms closely in terms of style and figurative language.	7,8,	U,Ap
5	Give oral presentation and receive feedback on their performance.	1,2,5,10	U,Ap,An,E,C
6	Demonstrate, improved oral fluency.	1,2,5,10	U,Ap,An,E,C

**COURSE TITLE: BASIC ENGLISH BA V SEM****COURSE CODE: E010**

<b>Sl.No</b>	<b>On completing the course, the student will be able</b>	<b>PSOs Addressed</b>	<b>Cognitive Levels</b>
1	Recall their awareness of correct usage of English language in writing and speaking,	1,2,3,5,6,10	R,U,Ap,C
2	To discover the status of women in society.	7,8,9	U,Ap,E,C
3	Apply analytical and ethical reasoning to issues pertinent in and to their careers.	2,4,7,8,9	U,Ap,An,E,C
4	Analyze the functions of texts and their relations with social and political contexts.	2,4,7,8,9	U,Ap,An,E,C
5	Discriminate the position of men and women in the society.	2,4,5,8,9	U,Ap,An,E,C
6	Justify the role-play of the characters in the drama.	7,8,9	U,Ap,C

**COURSE TITLE: BASIC ENGLISH BA VI SEM****COURSE CODE: F010**

<b>Sl.No</b>	<b>On completing the course, the student will be able</b>	<b>PSOs Addressed</b>	<b>Cognitive Levels</b>
1	Read many such works based on feminism.	4,8	R,U,Ap
2	To understand and expose to the various aspects of life.	2,6,7,9	U,Ap,E
3	Apply the moral values of the text in their practical life.	2,9	U,Ap,E
4	To change the traditional values.	2,7,9	U,Ap,An,E,C
5	Appreciate the text as a source of great wisdom.	2,4,7,8,9	U,Ap,An,E,C
6	To compile such life sketches of famous writers.	2,7,8,9	U,Ap,E,C

**COURSE TITLE: BASIC ENGLISH B.SC I SEM****COURSE CODE: A010**

<b>Sl.No</b>	<b>On completing the course, the student will be able</b>	<b>PSOs Addressed</b>	<b>Cognitive Levels</b>
1	To know the nature of the subject in comparison to the P.U.C. level.	2	R,U
2	Understand origin of English language and its literature.	2,7,8,9	R,U,Ap,An
3	Develop the ability to speak English language with right way of pronunciation.	1,3,5,10	U,Ap,An,C
4	To analyze representative works of science fiction from recent centuries.	2,7,9	U,Ap,An,E,C
5	Gain ability to converse, read and write with improved proficiency.	1,3,5,6,10	U,Ap,E,C
6	Expose to eminent women in the field of science and make them understand the connection between the science and women and language and science.	2,4,7	U,Ap,An,E,C

**COURSE TITLE: BASIC ENGLISH B.SC II SEM****COURSE CODE: B010**

<b>Sl.No</b>	<b>On completing the course, the student will be able</b>	<b>PSOs Addressed</b>	<b>Cognitive Levels</b>
1	Acquaint with the art of reading.	1,2,4,5, 8	R,U,Ap
2	To learn how woman is exposed in the visual media specially in Indian ads as an object of commodity.	2,6,9,10	R,U,Ap,An,C
3	Become aware about the current issues like environment pollution.	2,4,9	U,Ap,An,E
4	Appreciate and enjoy work of literature.	2,7,8,9	U,Ap,An,E,C
5	Empower themselves to write paragraphs, essays, letters and e-mail.	1,2,5,10	U,Ap,E,C
6	Become familiar in constructing sentences with suitable articles, verbs.	1,5,10	U,Ap,An,E,C

**COURSE TITLE: BASIC ENGLISH B.SC III SEM****COURSE CODE: C010**

<b>Sl.No</b>	<b>On completing the course, the student will be able</b>	<b>PSOs Addressed</b>	<b>Cognitive Levels</b>
1	To be acquainted with the art of reading skills.	1,2,4,7	R,U
2	To understand and practice the pronunciation of English words.	1,5,10	R,U,Ap,C
3	To judge their capacities by seminar paper presentation.	1,5,10	U,Ap,An,E,C
4	To prepare deliver effective oral presentations.	1,5,10	U,Ap,E,C
5	To debate on the topics such as Gender Discrimination.	1,2,4,5,10	U,Ap,An,E,C
6	To demonstrate and understand more complex grammatical structure in conversation and discussion.	1,5,10	U,Ap,An,E,C

**COURSE TITLE: BASIC ENGLISH B.SC IV SEM****COURSE CODE: D010**

<b>Sl.No</b>	<b>On completing the course, the student will be able</b>	<b>PSOs Addressed</b>	<b>Cognitive Levels</b>
1	To recognize the rhyme schemes and other musical aspects of poetry.	1,2,8	R,U,C
2	To understand the concept of the theme and main ideas of the chapters.	1,2,5,7,8,9	R,U,Ap,An,E,C
3	To develop their word vocabulary.	1,6,10	U,Ap,An,E,C
4	To evaluate the Indian culture with that of the other country.	4,7,8	U,Ap,An,C
5	To relate the theme to other ideas found in a chapter.	4,8	U,Ap,An,C
6	To develop their critical thinking skills.	1,7,8,9	U,A,A,E,C

**COURSE TITLE: BASIC ENGLISH B.COM/BBA I SEM****COURSE CODE: A010**

<b>Sl.No</b>	<b>On completing the course, the student will be able</b>	<b>PSOs Addressed</b>	<b>Cognitive Levels</b>
1	To relate students' knowledge of P.U.C under graduation.	2,8,9	R,U
2	To understand role of business in society.	2,4,10	U,Ap,An,C
3	To develop their ability as a critical reader and writer.	1,5,10	U,Ap,An,E,C
4	To analyze the environmental issues in India.	2,4,7,9	U,Ap,An,,E,C
5	To criticize the issues of 'Gender Discrimination'.	2,4,9	U,Ap,An,E,C
6	To create new ideas to control environmental issues.	2,4,8,9	U,Ap,An,E,C

**COURSE TITLE: BASIC ENGLISH B.COM/BBA II SEM****COURSE CODE: B010**

<b>Sl.No</b>	<b>On completing the course, the student will be able</b>	<b>PSOs Addressed</b>	<b>Cognitive Levels</b>
1	To expose the students to communication and grammar.	1,5,10	R,U
2	To understand glimpses into the Indian women in commerce.	2,9	U,Ap,E,C
3	To apply importance of communication in trade and techniques in advertisement.	1,2,6	U,Ap,E,C,
4	To analyze the ability to converse, read and write with improved proficiency.	1,2,3,5,10	U,Ap,An,E,C
5	To improve basic grammatical aspects of English.	1,10	U,Ap,An,E,C
6	To develop language skills through the contexts of their immediate culture.	1,2,4,7,8,9,	U,Ap,An,E,C



## PROGRAMME SPECIFIC OUTCOMES (PSOs) FOR BA OPTIONAL ENGLISH

SL.NO	On completing BA optional English, the student will be able
1.	To be well-versed with the complete history of English Literature, major literary trends and school of criticism.
2.	To acquaint with various schools of linguistics and applied linguistics
3.	To identify, analyze, interpret and describe the critical ideas, values and the themes that appear in literary and culture texts and understand the way these ideas, values and themes inform and impact culture and society, both now and in the past.
4.	To join companies like TCS after graduation on the basis of his spoken competency in English.
5.	To help the students to start personal English spoken coaching as well to join any reputed institute also.
6.	To improve in the ability to reason and think critically and develop a sense of appreciation for the aesthetics.
7.	To compare and critically study the socio-cultural and moral lives of the ancient lives.
8.	To critically evaluate and interpret literary texts.
9.	Understand the Current methodological issues, Mythological, Classical Literature in this study of literature and apply various reading strategies employed to selected literary as well as cultural text.
10.	To enhance knowledge of different literatures in English.

**COURSE TITLE: OPTIONAL ENGLISH BA I SEM****COURSE CODE: A210**

SL.NO	On completing the course, the student will be able	PSOs Addressed	Cognitive levels
1	Understand significant developments in the history of English literature.	1,3,6,7,8,9,10	R,U,Ap,E,C
2	Understand the process of communicating and interrupting human experience through literary representation, using historical contexts and disciplinary methodologies.	1,3,6,7,8,9,10	R,U,Ap,E,C
3	Know about the meaning and scope and the concept of modernism.	1,9,10	U,Ap,An,E,C
4	The students will be able to analyse and interpret works of literature to acquaint them with the forms, structures and the aesthetics of style and techniques of literary works.	1,3,6,10	U,Ap,An,E,C
5	To examine the theoretical premises underlying the critical analysis of literature.	1,6,8,9,10	U,Ap,An,E,C
6	To acquire the basic and practical knowledge of literature.	3,6,10	U,Ap,An,E,C

**COURSE TITLE: OPTIONAL ENGLISH BA II SEM****COURSE CODE: B210**

SL.NO	On completing the course, the student will be	PSOs Addressed	Cognitive levels
1	Able to become well-versed concerning to the concept of literature, literary history and literary study.	1,3,6	R,U,Ap
2	Able to understand the meaning, definition and functions of literature.	1,3,10	R,U,Ap
3	Co-relate social history and the history of genre.	8,9,10	U,Ap,An
4	Analyse the functions of texts and their relations with historical, social and political contexts.	3,6,7,8,9,10	U,Ap,An,E
5	Appreciate the working of various literary devices like irony in fiction.	3,7,8,10	U,Ap,An,E
6	Fully equipped with the plot construction forms through the writers like Shashi Deshpande and diary writers like Anne Frank.	3,10	U,Ap,An,E

**COURSE TITLE: OPTIONAL ENGLISH BA III SEM****COURSE CODE:C210**

<b>SL.NO</b>	<b>On completing the course, the student will be</b>	<b>PSOs Addressed</b>	<b>Cognitive levels</b>
1	Able to recognise writers of Renaissance, Puritan, Augustan and Neo-classical age.	1,3,10	R,U
2	Able to understand the literary values and learn to apply it in practical life.	3,4,5,7,8,10	R,U,Ap,An,E
3	Describe and identify the poetry of major writers.	3,6,8,9,10	U,Ap,An,E
4	Read the illustrative texts, make the student master over reading skills coupled with analytical skills and thus enable students write the narrative poem.	3,8,9,10	U,Ap,An,E,C
5	Able to appreciate the text as a source of great wisdom.	1,3,8,10	U,Ap,An,E,C
6	To justify socio-historical background to literature.	7,8,9,10	U,Ap,An,E

**COURSE TITLE: OPTIONAL ENGLISH BA IV SEM****COURSE CODE: D210**

<b>SL.NO</b>	<b>On completing the course, the student will be</b>	<b>PSOs Addressed</b>	<b>Cognitive levels</b>
1	To introduce the student to British poetry from the age of romantic period to modern age.	1,3,10	R,U,Ap
2	Able to identify examples of figurative language.	1,3,10	R,U,Ap,An,E
3	Able to compare the literature of the writers of different periods.	1,8,10	U,Ap,An,E
4	Apply the studied literature to his own life.	4,5,7,8,9,10	U,Ap,An,E,C
5	Analyse poetic text using appropriate terms such as diction, tone, imagery etc.	1,3,7,8,9,10	U,Ap,An,E,C
6	Demonstrate creative thinking, innovations, inquiry, evaluation and synthesis of information.	1,3,10	U,Ap,An,E

**COURSE TITLE: OPTIONAL ENGLISH BA V SEM****COURSE CODE: E210**

SL.NO	On completing the course, the student will be	PSOs Addressed	Cognitive levels
1	Able to recognize, define and identify poetic terms and genres.	1,3,6,8,10	R,U,Ap
2	Understand the social and political development in pre and post-independence period.	1,10	R,U,Ap,An
3	Apply the critical thinking in analysing religious effect on literature.	1,3,6,7,8,10	U,Ap,An,E
4	Able to explain the influence of Greek, Latin, French and Scandinavian languages on English.	1,3,6,8,9,10	U,Ap,An,E
5	Able to summarise dramas, fiction and non-fiction.	1,3,6,7,8,10	U,Ap,An,E,C
6	Able to demonstrate logical paragraph, composition and sentence structure and phonetics.	1,2,,5,10	U,Ap,An,E,C

**COURSE TITLE: OPTIONAL ENGLISH BA VI SEM****COURSE CODE: F210**

SL.NO	On completing the course, the student will be	PSOs Addressed	Cognitive levels
1	Able to recognize social, historical and ethnic influences in representative work of English literature.	1,3,6,7,8,10	R,U,Ap
2	Able to understand meaning, definition, scope and functions of criticism.	1,8,9,10	R,U,Ap,An,E
3	Able to differentiate between judgement and appreciation.	1,8	U,Ap,An,E
4	Able to analyse the critical theory of Aristotle, Plato, Longinus and Horace.	1,6,8,10	U,Ap,An,E
5	Able to justify Mythological and Classical Literature.	1,9,10	U,Ap,An,E
6	Able to recognize the thematic concern, genres and trends of Indian Writing in English.	1,3,10	U,Ap,An,E

Hyderabad Karnataka Education Society's  
Smt. Veeramma Gangasiri College for Women, Kalaburagi

**DEPARTMENT OF COMMERCE & MANAGEMENT**

**Programme Specific Outcomes (PSO): B.Com**

PSO 1: Develop understanding and apply specialized knowledge of accountancy, taxation, auditing, law, research, entrepreneurship, communication and management in the global, national and local society and progress towards self-development in situations of uncertainty and risks.

PSO 2: Demonstrate problem solving and analytical skills that enhance employability options as well as acquire ability to engage in competitive examinations and higher studies.

PSO 3: Practice and adhere to professional ethics, technology enabled learning and develop an entrepreneurial mind set amongst aspiring women.

**Course Outcomes (CO): B.Com**

**Semester:I**

**Course Title: Financial Accounting - I**

**Course Code: A210**

<b>Sr no</b>	<b>On completing the course, the student will be able to</b>	<b>PSOs addressed</b>	<b>Cognitive Levels</b>
<b>CO 1</b>	Understand the practical and theoretical knowledge of financial accounting.	PSO1	U, R
<b>CO 2</b>	Understand the applicability of accounting concepts, principles and conventions.	PSO1, PSO2	U, R, AP
<b>CO 3</b>	Apply the knowledge to prepare financial statements by understanding different capital and revenue items.	PSO1, PSO2	U, AP
<b>CO 4</b>	Solve problems relating to final accounts of Sole Trading, Partnership and Company Accounting.	PSO1, PSO2, PSO3	R, AP, E
<b>CO 5</b>	Find out the technical expertise in maintaining the books of accounts.	PSO1, PSO2, PSO3	R, U, AP, E, C

**Semester: I****Course Title: Secretarial Practice****Course Code: A220**

<b>Sr no</b>	<b>On completing the course, the student will be able to</b>	<b>PSOs addressed</b>	<b>Cognitive Levels</b>
<b>CO 1</b>	Acquaint with the basics of company and to apply them in various functions of company secretary.	PSO1	U, R
<b>CO 2</b>	Understand various important documents in formation of company like Memorandum, Articles and Prospectus of a company.	PSO1	U, R
<b>CO 3</b>	Analyse the various activities of organisational management of company.	PSO1, PSO2	R, AN
<b>CO 4</b>	Draft articles of association of a Company mentioning its important contents. PSO1, PSO2	PSO1, PSO2	U, AP
<b>CO 5</b>	Formulate the Statutory-annual and extra-ordinary-Board meetings and Draft different types of resolutions	PSO1, PSO2, PSO3	U, R, AP, C

**Semester:I****Course Title: Managerial Economics I****Course Code: 230**

<b>Sr no</b>	<b>On completing the course, the student will be able to</b>	<b>PSOs addressed</b>	<b>Cognitive Levels</b>
<b>CO 1</b>	Acquaint with the basics of economics.	PSO1	R, U
<b>CO 2</b>	Analyse the demand and supply conditions and assess the position of a company.	PSO1, PSO2	U, AN
<b>CO 3</b>	Analyse real-world business problems with a systematic theoretical framework.	PSO1, PSO2	U, AN
<b>CO 4</b>	Design competition strategies, including costing, pricing, product differentiation, and market environment according to the natures of products and the structures of the markets	PSO1, PSO2, PSO3	U, R, AP
<b>CO 5</b>	Apply economic concepts in various managerial functions of business.	PSO1, PSO2, PSO3	U, R, AP, E

**Semester:I****Course Title: Principles of Marketing****Course Code: A250**

<b>Sr no</b>	<b>On completing the course, the student will be able to</b>	<b>PSOs addressed</b>	<b>Cognitive Levels</b>
<b>CO 1</b>	Acquaint with concepts and functions of marketing.	PSO1,	R, U
<b>CO 2</b>	Understand the relevance of marketing terminologies, concepts, principles, theories, analytic techniques, and facts used in business environment.	PSO1, PSO2	R, U, AN
<b>CO 3</b>	Study and analyse the market segmentation, product, price and promotion.	PSO1, PSO2	R, U, AN
<b>CO 4</b>	Evaluate the product and price mix based on the business situation.	PSO1, PSO2, PSO3	U, R, AP, E
<b>CO 5</b>	Outline the innovative and digital tools to develop marketing strategies for the new age consumer.	PSO1, PSO2, PSO3	U, AP, E, C

**Semester:II****Course Title: Financial Accounting - II****Course Code: B210**

<b>Sr no</b>	<b>On completing the course, the student will be able to</b>	<b>PSOs addressed</b>	<b>Cognitive Levels</b>
<b>CO 1</b>	Understand the accounting principles and procedure pertaining to different kinds of business.	PSO1, PSO3	U, R
<b>CO 2</b>	Acquaint knowledge pertaining to royalty and consignment accounts.	PSO1	U, R
<b>CO 3</b>	Construct integrated Departmental profit and loss account by computing the profits earned by departments	PSO1, PSO2	U, R, AN, AP
<b>CO 4</b>	Prepare branch accounts under various methods and compute the profit earned by dependent and independent branches.	PSO1, PSO2, PSO3	U, AN, AP, C
<b>CO 5</b>	Prepare the Insurance claim statements.	PSO1, PSO2, PSO3	U, AN, AP, C

**Semester:II****Course Title: Business Communication Skill****Course Code: B220**

<b>Sr no</b>	<b>On completing the course, the student will be able to</b>	<b>PSOs addressed</b>	<b>Cognitive levels</b>
<b>CO 1</b>	Understand the concept of communication in the business environment.	PSO1	R, U
<b>CO 2</b>	Develop knowledge and skills in business writing.	PSO1, PSO2	U, R, AN
<b>CO 3</b>	Apply skills for effective interpersonal correspondence.	PSO1, PSO2	U, AN, AP
<b>CO 4</b>	Explain effective tips and strategies for oral communication, various media of communication and communication devices.	PSO1, PSO2	U, R, AN
<b>CO 5</b>	Draft various types of business reports	PSO1, PSO2, PSO3	U, AN, AP, C

**Semester:II****Course Title: Managerial economics II****Course Code: B230**

<b>Sr no</b>	<b>On completing the course, the student will be able to</b>	<b>PSOs addressed</b>	<b>Cognitive levels</b>
<b>CO 1</b>	Acquaint with the basics of Firm and their objects.	PSO1	R, U
<b>CO 2</b>	Identify various market structures and discuss their implications for resource allocation	PSO1	R, U
<b>CO 3</b>	Determine price in various market structures	PSO1	U, R, AN
<b>CO 4</b>	Apply the concepts of break-even analysis.	PSO1, PSO2	U, AN, AP
<b>CO 5</b>	Evaluate the various theories of profit analysis.	PSO1, PSO2, PSO3	U, AN, AP, E



**Semester: II****Course Title: Women Entrepreneurship****Course Code: B240**

<b>Sr no</b>	<b>On completing the course, the student will be able to</b>	<b>PSOs addressed</b>	<b>Cognitive levels</b>
<b>CO 1</b>	Acquaint with the concepts of women entrepreneurship and familiarize with the entrepreneurial development process.	PSO1	U, R
<b>CO 2</b>	Identify the business opportunities and traits.	PSO1, PSO3	R, U, AN
<b>CO 3</b>	Understand the role of financial institution, Government Schemes.	PSO1, PSO3	R, U, AN
<b>CO 4</b>	Understand Institutional support for entrepreneurial activities.	PSO1, PSO2	R, U, AN
<b>CO 5</b>	Identify, formulate and prepare a project report.	PSO1, PSO2, PSO3	R, U, AN AP, C

**Semester:III****Course Title: Corporate Accounting I****Course Code: C201**

<b>Sr no</b>	<b>On completing the course, the student will be able to</b>	<b>PSOs addressed</b>	<b>Cognitive levels</b>
<b>CO 1</b>	Acquaint with the fundamental aspects of Finance in Business.	PSO1	R, U
<b>CO 2</b>	Prepare and account for various entries to be passed in case of issue of shares.	PSO1, PSO2,	U, AN, AP, E
<b>CO 3</b>	Assess the accounting and treatment of various items in case of Joint stock companies.	PSO1, PSO2	U, AN, AP
<b>CO 4</b>	Analyse the concepts of merger and amalgamation of companies.	PSO1, PSO2	U, R, AN,
<b>CO 5</b>	Prepare the final accounts in case of internal reconstruction and Liquidation of companies.	PSO1, PSO2, PSO3	U, AP, E, C

**Semester:III****Course Title: Business Statistics****Course Code: C220**

<b>Sr no</b>	<b>On completing the course, the student will be able to</b>	<b>PSOs addressed</b>	<b>Cognitive Levels</b>
<b>CO 1</b>	Learn the key terminology, concepts tools and techniques used in business statistical analysis.	PSO1	R, U
<b>CO 2</b>	Acquaint with the underlying assumptions of analysis tools.	PSO1	R, U, AN
<b>CO 3</b>	Understand and discuss the issues surrounding sampling and significance.	PSO1, PSO2	U, AN, AP
<b>CO 4</b>	Solve a range of problems using the techniques covered.	PSO1, PSO2	U, AN, AP, E
<b>CO 5</b>	Solve a range of problems using the techniques covered.	PSO1, PSO2, PSO3	U, AN, AP, E, C

**Semester:III****Course Title: Retail Management****Course Code: C260**

<b>Sr no</b>	<b>On completing the course, the student will be able to</b>	<b>PSOs addressed</b>	<b>Cognitive levels</b>
<b>CO 1</b>	Understand the Indian retail sector, the various retail formats and career opportunities in the local and the national markets.	PSO1, PSO3	R, U
<b>CO 2</b>	Analyse the significance of emerging trends in global retailing.	PSO1, PSO2	U, R, AN
<b>CO 3</b>	Examine the elements of store design and investigate the factors that determine store location selection and retail advertising.	PSO1, PSO2, PSO3	U, AN
<b>CO 4</b>	Evaluate the role of merchandising and pricing in retail.	PSO1, PSO2	U, AN, AP, E
<b>CO 5</b>	Evaluate strategies applicable for growth of retail business including franchising.	PSO1, PSO2, PSO3	U, AN, AP, E

**Semester: III****Course Title: Monetary Economics****Course Code: C240**

<b>Sr no</b>	<b>On completing the course, the student will be able to</b>	<b>PSOs addressed</b>	<b>Cognitive levels</b>
<b>CO 1</b>	Acquaint with the basic concepts of money and banking.	PSO1	R, U
<b>CO 2</b>	Understand the working of different types of banks	PSO1, PSO2	R, U
<b>CO 3</b>	Examine inflation and deflation concepts.	PSO1, PSO2	U, AN, AP
<b>CO 4</b>	Apply the theories relating to the value of money and index numbers	PSO1, PSO2, PSO3	R, AN, AP
<b>CO 5</b>	Explain the functions of Commercial and Central banks.	PSO1, PSO2, PSO3	R, U, AN, Ap, E

**Semester:III****Course Title: Indian Financial System****Course Code: C250**

<b>Sr no</b>	<b>On completing the course, the student will be able to</b>	<b>PSOs addressed</b>	<b>Cognitive Levels</b>
<b>CO 1</b>	Understand the Indian Financial System and its functioning.	PSO1, PSO3	R, U
<b>CO 2</b>	Learn the basic concepts of financial market, capital markets, their functions, types and instruments.	PSO1	R, U
<b>CO 3</b>	Understand the concept of Stock exchange and market settlement procedures.	PSO1, PSO2, PSO3	R, U, An
<b>CO 4</b>	Analyse the functions and role of Financial Institutions.	PSO1, PSO2, PSO3	U, R, AN
<b>CO 5</b>	Evaluate the role and need for market regulations, SEBI.	PSO1, PSO2, PSO3	U, AN, AP, E

**Semester:III****Course Title: Principle and Practice of Management****Course Code: C270**

<b>Sr no</b>	<b>On completing the course, the student will be able to</b>	<b>PSOs addressed</b>	<b>Cognitive levels</b>
<b>CO 1</b>	Learn the roles, skills, qualities and competencies required for a manager in a global context and integrate management principles into management practices.	PSO1, PSO3	R, U
<b>CO 2</b>	Understand managerial problems and propose solutions through systematic planning and organising.	PSO1, PSO2	R, U, AN
<b>CO 3</b>	Analyse the various principles and techniques of direction and leadership.	PSO1, PSO2, PSO3	R, U, An
<b>CO 4</b>	Assess managerial practices and choices relative to staffing and motivation	PSO1, PSO2	U, AN, AP, E
<b>CO 5</b>	Examine the importance of coordination and outline the various methods of control available to the manager.	PSO1, PSO2	U, R, AN, AP, E

**Semester: IV****Course Title: Corporate Accounting II****Course Code: D210**

<b>Sr no</b>	<b>On completing the course, the student will be able to</b>	<b>PSOs addressed</b>	<b>Cognitive Levels</b>
<b>CO 1</b>	Learn skills about accounting standards.	PSO1, PSO2, PSO3	R, U
<b>CO 2</b>	Impart knowledge about accounts of banking.	PSO1, PSO2, PSO3	R, U, AN
<b>CO 3</b>	Able to prepare the group accounts.	PSO1, PSO2	U, AN, AP, E, C
<b>CO 4</b>	Analyse the valuation of goodwill.	PSO1, PSO2	R, U, An
<b>CO 5</b>	Evaluate the need and methods of valuation of shares.	PSO1, PSO2	U, An, Ap, E, C

**Semester: IV****Course Title: Business Statistics II****Course Code: D220**

<b>Sr no</b>	<b>On completing the course, the student will be able to</b>	<b>PSOs addressed</b>	<b>Cognitive levels</b>
<b>CO 1</b>	Understand the uses and components of time series.	PSO1, PSO2	R, U
<b>CO 2</b>	Describe the concept probability and find the probability of various experiments.	PSO1, PSO2	R, U, An
<b>CO 3</b>	Evaluate theoretical distribution in business application.	PSO1, PSO2	U, An, Ap, E
<b>CO 4</b>	Apply statistical tools of testing hypothesis in business applications	PSO1, PSO2	U, R, An, Ap
<b>CO 5</b>	Draw charts of quality control.	PSO1, PSO2, PSO3	U, An, Ap, E, C

**Semester: IV****Course Title: International Economics****Course Code: D240**

<b>Sr no</b>	<b>On completing the course, the student will be able to</b>	<b>PSOs addressed</b>	<b>Cognitive Levels</b>
<b>CO 1</b>	Learn the main economic theories and models of international trade.	PSO1, PSO3	R, U
<b>CO 2</b>	Understand the distributional consequences of trade and conflicting interests within an economy regarding trade liberalization.	PSO1	R, U, An
<b>CO 3</b>	Examine trade policy and its analysis.	PSO1, PSO2	R, U, An, Ap
<b>CO 4</b>	Apply economic reasoning to foreign exchange policies.	PSO1, PSO2, PSO3	U, An, Ap
<b>CO 5</b>	Elementary understanding of open-economy macroeconomics and the determinants of exchange rates and the balance of payments.	PSO1, PSO2, PSO3	U, An, AP, E

**Semester: IV****Course Title: Modern Banking – Theory and Practice****Course Code: D250**

<b>Sr no</b>	<b>On completing the course, the student will be able to</b>	<b>PSOs addressed</b>	<b>Cognitive Levels</b>
<b>CO 1</b>	Familiarised with the fundamentals of banking and banking operations.	PSO1	R, U
<b>CO 2</b>	Understand the banking concepts and Banker customer relationship.	PSO1, PSO2	U, An
<b>CO 3</b>	Analyse the banking operations.	PSO1, PSO2	U, R, An,
<b>CO 4</b>	Evaluate the employment of bank funds.	PSO1, PSO2	U, An, Ap, E
<b>CO 5</b>	Adapt the new concepts introduced in the banking system, Electronic and Mobile Banking.	PSO1, PSO2, PSO3	U, An, Ap, E

**Semester:IV****Course Title: Goods and Services Tax I****Course Code: D260**

<b>Sr no</b>	<b>On completing the course, the student will be able to</b>	<b>PSOs addressed</b>	<b>Cognitive levels</b>
<b>CO 1</b>	Learn various concepts of Goods & Service Tax.	PSO1, PSO3	R, U
<b>CO 2</b>	Understand various categories of exemptions and Exclusion from GST.	PSO1	R, U, An
<b>CO 3</b>	Understand registration process of GST	PSO1, PSO2, PSO3	U, An, AP
<b>CO 4</b>	Describe “place of supply rules” and “time of supply” and applicability of the same under GST	PSO1	U, R, An, Ap
<b>CO 5</b>	Evaluate the input tax credit and returns in GST.	PSO1, PSO2, PSO3	U, An, AP, E, C

**Semester: IV****Course Title: Principles and Practice of Insurance****Course Code: D270**

<b>Sr no</b>	<b>On completing the course, the student will be able to</b>	<b>PSOs addressed</b>	<b>Cognitive levels</b>
<b>CO 1</b>	Learn what insurance is, why insurance works and how to determine insurance needs.	PSO1, PSO2	R, U
<b>CO 2</b>	Understand insurance operation, including functions, types of insurance and agents.	PSO1, PSO2	U, An
<b>CO 3</b>	Analyse fire insurance and settlement of fire claims.	PSO1, PSO2	U, R, An
<b>CO 4</b>	Evaluate marine insurance, its type and settlement.	PSO1, PSO2	U, R, An, Ap, E
<b>CO 5</b>	Compare various other miscellaneous insurance.	PSO1, PSO2, PSO3	U, An, Ap, E, C

**Semester: IV****Course Title: Computer Application in Business – I (MS-EXCEL & C-PROGRAMMING)****Course Code: D280**

<b>COS</b>	<b>On completing the course, the student will be able to</b>	<b>PSOs addressed</b>	<b>Cognitive levels</b>
<b>CO1</b>	Understand and Create Excel sheets using formulas, functions and charts.	PSO1, PSO2, PSO3	U, R, An, C
<b>CO2</b>	Demonstrate and Understanding of fundamental programming concepts such as variables, data types & operators	PSO1, PSO2	U, R, An
<b>CO3</b>	Implement I/O operations in C programming	PSO1, PSO2	R, An, E
<b>CO4</b>	Read & Develop modular programs using control structures and arrays in C	PSO1, PSO2, PSO3	U, R, C
<b>CO5</b>	Develop simple C programs on arrays and strings	PSO1, PSO2, PSO3	Ap, An, C

**Semester:V****Course Title: Principles of Financial Management****Course Code: E210**

<b>COS</b>	<b>On completing the course, the student will be able to</b>	<b>PSOs addressed</b>	<b>Cognitive levels</b>
<b>CO 1</b>	Define both the theoretical & practical role of financial management in business corporations	PSO1, PSO2	R, U
<b>CO 2</b>	Understand causes and effects of undercapitalization and over capitalization.	PSO1, PSO2	U, R, An
<b>CO 3</b>	Analyse the different sources of finance, their cost and WACC	PSO1, PSO2	U, R, An
<b>CO 4</b>	Evaluate different sources of finance as well as investment proposals while deciding on optimal capital structure as well as while utilizing the funds raised in the business.	PSO1, PSO2, PSO3	U, An, Ap, E
<b>CO 5</b>	Calculate the amount of working capital.	PSO1, PSO2, PSO3	U, An, Ap, E, C

**Semester:V****Course Title: Goods and Services Tax II****Course Code: E230**

<b>COS</b>	<b>On completing the course, the student will be able to</b>	<b>PSOs addressed</b>	<b>Cognitive levels</b>
<b>CO 1</b>	Define the GST Structure rates.	PSO1, PSO2	R, U
<b>CO 2</b>	Understand the valuations under GST, types of considerations.	PSO1, PSO2	R, U
<b>CO 3</b>	Analyse Composition Scheme and tax liability under composition scheme.	PSO1, PSO2	R, U, An
<b>CO 4</b>	Evaluate payment by tax payers.	PSO1, PSO2, PSO3	R, U, An, Ap, E
<b>CO 5</b>	Generate E-way bill.	PSO1, PSO2, PSO3	U, An, Ap, E, C



**Semester:V****Course Title: Principles and Practice of Auditing****Course Code: E220**

<b>COS</b>	<b>On completing the course, the student will be able to</b>	<b>PSOs addressed</b>	<b>Cognitive levels</b>
<b>CO 1</b>	Learn the concepts of auditing, types of auditing and methods of auditing.	PSO1, PSO2	R, U
<b>CO 2</b>	Understand auditor's duties and liabilities.	PSO1, PSO2	R, U
<b>CO 3</b>	Explain the process of internal audit.	PSO1, PSO2	U, R, An, Ap
<b>CO 4</b>	Differentiate between manual and computerised accounting audit.	PSO1, PSO2, PSO3	U, An, Ap, E
<b>CO 5</b>	Prepare audit reports on accounting of business.	PSO1, PSO2, PSO3	U, An, Ap, E, C

**Semester:V****Course Title: Indian Economy****Course Code: E240**

<b>COS</b>	<b>On completing the course, the student will be able to</b>	<b>PSOs addressed</b>	<b>Cognitive levels</b>
<b>CO 1</b>	Understand Indian Economy, Economic development.	PSO1, PSO2	R, U,
<b>CO 2</b>	Describe the growth and structure of India's national income.	PSO1, PSO2	U, An
<b>CO 3</b>	Explain the problems of Indian agriculture, agriculture finance and green revolution.	PSO1, PSO2	R, U, An
<b>CO 4</b>	Analyse Indian Industry.	PSO1, PSO2, PSO3	R, U, An
<b>CO 5</b>	Analyse Indian Finance relating to tax, public debt and GST.	PSO1, PSO2, PSO3	R, U, An, Ap

**Semester:V****Course Title: Cost Accounting - I****Course Code: E260**

<b>COS</b>	<b>On completing the course, the student will be able to</b>	<b>PSOs addressed</b>	<b>Cognitive levels</b>
<b>CO 1</b>	Familiarise with the basic Cost concepts, Elements of cost and cost sheet.	PSO1, PSO2	R, U
<b>CO 2</b>	Understand materials, materials control and material cost.	PSO1, PSO2	R, U, An
<b>CO 3</b>	Develop Knowledge about remuneration and incentives.	PSO1, PSO2, PSO3	U, An, Ap, C
<b>CO 4</b>	Ascertain Labour Cost, overhead cost and various costing systems.	PSO1, PSO2, PSO3	U, An, AP, E
<b>CO 5</b>	Prepare reconciliation of cost and financial accounts.	PSO1, PSO2, PSO3	U, An, Ap, E, C

**Semester:V****Course Title: Income Tax - I****Course Code: E290**

<b>COS</b>	<b>On completing the course, the student will be able to</b>	<b>PSOs addressed</b>	<b>Cognitive levels</b>
<b>CO 1</b>	Define the various terms of Income Tax.	PSO1, PSO2	R, U
<b>CO 2</b>	Determine Residential status of a person and calculate total income.	PSO1, PSO2	R, U, An
<b>CO 3</b>	Compute the income from Salary.	PSO1, PSO2, PSO3	U, An, Ap, E, C
<b>CO 4</b>	Compute the income from House property	PSO1, PSO2, PSO3	U, An, Ap, E, C
<b>CO 5</b>	Compute income from business and profession	PSO1, PSO2, PSO3	U, An, Ap, E, C

**Semester:V****Course Title: Computer Application in Business – II (MS-OFFICE & E-COMMERCE)****Course Code: E250**

<b>COS</b>	<b>On completing the course, the student will be able to</b>	<b>PSOs addressed</b>	<b>Cognitive levels</b>
<b>CO1</b>	Identify how to use word processing software, main parts of the Microsoft Word window, Copy, Cut and Paste text, toolbar, Type, edit, pictures, save, save as, and print etc	PSO1, PSO2	U, R, Ap
<b>CO2</b>	Learn various concepts of MS Excel like functions, graphs, sort, filtering & grouping	PSO1, PSO2	U, R,Ap.An
<b>CO3</b>	Understand the basics of MS- Access.	PSO1	R, An
<b>CO4</b>	Students are enabled with the Knowledge in the practical applications of accounting.	PSO1, PSO2, PSO3	U, R, An
<b>CO5</b>	Gain the knowledge of E-Commerce and implement that in marketing	PSO1, PSO2, PSO3	U, R, An ,Ap

**Semester: VI****Course Title: Business Law****Course Code: F210**

<b>COS</b>	<b>On completing the course, the student will be able to</b>	<b>PSOs addressed</b>	<b>Cognitive levels</b>
<b>CO 1</b>	Understand various concepts of business law.	PSO1, PSO2, PSO3	R, U
<b>CO 2</b>	Develop knowledge on contracts and various types of contracts.	PSO1, PSO2, PSO3	R, U, AN, AP
<b>CO 3</b>	Describe the performance of contracts, discharge and breach of contracts.	PSO1, PSO2, PSO3	U, An, Ap, E
<b>CO 4</b>	Equip with contract of sale of goods.	PSO1, PSO2, PSO3	U, An, Ap,
<b>CO 5</b>	Analyse the various concepts of Cyber law and consumer protection act 1986.	PSO1, PSO2,	U, R, An

**Semester: VI****Course Title: Human Resource Management****Course Code: F220**

<b>COS</b>	<b>On completing the course, the student will be able to</b>	<b>PSOs addressed</b>	<b>Cognitive Levels</b>
<b>CO 1</b>	Define human resource management, objects, HR planning and HRD.	PSO1, PSO2	R, U
<b>CO 2</b>	Gain knowledge on human resources and implement techniques of job design and analysis	PSO1, PSO2	R, U, An
<b>CO 3</b>	Understand the process of recruitment, training and appraise the performance of employees.	PSO1, PSO2, PSO3	U, An, Ap
<b>CO 4</b>	Analyse the strategies for compensation and salary administration.	PSO1, PSO2, PSO3	U, R, An, Ap
<b>CO 5</b>	Evaluate the industrial relations, handle employee issues and evaluate the new trends in HRM	PSO1, PSO2, PSO3	R, U, An, Ap, E

**Semester: VI****Course Title: Principles of Management Accounting****Course Code: F230**

<b>COS</b>	<b>On completing the course, the student will be able to</b>	<b>PSOs addressed</b>	<b>Cognitive Levels</b>
<b>CO 1</b>	Recognize the importance of the application of management accounting concepts in various managerial decision-making process.	PSO1, PSO2	R, U
<b>CO 2</b>	Relate and classify various sources of raising funds along with plans to attain profit maximization.	PSO1, PSO2	R, U, An
<b>CO 3</b>	Use different tools of financial analysis and ratio analysis for decision making.	PSO1, PSO2, PSO3	R, U, An, Ap, E
<b>CO 4</b>	Analysis through leverages.	PSO1, PSO2	R, U, An, Ap
<b>CO 5</b>	Prepare funds flow and cash flow statements.	PSO1, PSO2, PSO3	R, U, An, Ap, E, C

**Semester: VI****Course Title: Industrial Economics****Course Code: F240**

<b>COS</b>	<b>On completing the course, the student will be able to</b>	<b>PSOs addressed</b>	<b>Cognitive Levels</b>
<b>CO 1</b>	Gain basic knowledge about industrialisation and Industrialisation in India.	PSO1, PSO2	R, U
<b>CO 2</b>	Understand the importance of planned location of industries.	PSO1, PSO2	U, An
<b>CO 3</b>	Analyse the significance and factors influencing industrial productivity.	PSO1, PSO2	R, U, An
<b>CO 4</b>	Examine industrial finance.	PSO1, PSO2, PSO3	R, U, An, Ap
<b>CO 5</b>	Evaluate problems and prospects of various industries.	PSO1, PSO2, PSO3	R, U, An, Ap, E, C

**Semester: VI****Course Title: Cost accounting II****Course Code: F260**

<b>COS</b>	<b>On completing the course, the student will be able to</b>	<b>PSOs addressed</b>	<b>Cognitive Levels</b>
<b>CO 1</b>	Define the process to compute total output cost of a product belong to various production process.	PSO1, PSO2	R, U
<b>CO 2</b>	Accumulate total cost of a contract assigned.	PSO1, PSO2	R, U, An
<b>CO 3</b>	Compute operating cost.	PSO1, PSO2, PSO3	R, U, An, Ap, E
<b>CO 4</b>	Explain about ascertainment of process cost.	PSO1, PSO2	R, U, An
<b>CO 5</b>	Evaluate marginal costing.	PSO1, PSO2, PSO3	R, U, An, Ap, E

**Semester: VI****Course Title: Income Tax II****Course Code: F290**

<b>COS</b>	<b>On completing the course, the student will be able to</b>	<b>PSOs addressed</b>	<b>Cognitive Levels</b>
<b>CO 1</b>	Gain Knowledge on incomes under capital gain and other sources.	PSO1, PSO2	R, U
<b>CO 2</b>	Describe and compute the deductions u/s 80C to 80U.	PSO1, PSO2, PSO3	R, U, An, Ap
<b>CO 3</b>	Examine the Assessment Procedure and filing income tax returns.	PSO1, PSO2, PSO3	U, An, Ap, E
<b>CO 4</b>	Analyse Set-off of losses and compute total income of an Individual and firm.	PSO1, PSO2	R, U, An
<b>CO 5</b>	Make assessment of Individual and Firm.	PSO1, PSO2, PSO3	R, U, An, Ap, E, C

**Semester: VI****Course Title: Computer Application in Business – III (COMPUTERISED ACCOUNTING)****Course Code: F250**

<b>COS</b>	<b>On completing the course, the student will be able to</b>	<b>PSOs addressed</b>	<b>Cognitive levels</b>
<b>CO1</b>	Understand the Basics of Accounting	PSO1	U, R, An
<b>CO2</b>	Illustrate about Gateway of Tally in ERP.9 software.	PSO1	U, R, Ap
<b>CO3</b>	Examine various inventory, cost centres & cost categories	PSO1, PSO2	U, R, An
<b>CO4</b>	Explain Payroll Administration & Generation of Reports for practicing	PSO1, PSO2, PSO3	U, R, An
<b>CO5</b>	Develop Accounting, Payroll, Billing, Sales and Profit Analysis, Auditing Banking Inventory, Taxation such as GST, VAT, TDS, TCS etc	PSO1, PSO2, PSO3	U, An, Ap, C

**DEPARTMENT OF COMMERCE & MANAGEMENT**

**Programme Specific Outcomes (PSO): B.B.M**

**PSO 1:** Recognize the need to adapt business practices to the opportunities and challenges of an evolving global environment and apply specialized knowledge of management, marketing, accountancy, taxation, law, research, entrepreneurship and communication.

**PSO 2:** Identify, evaluate, analyse, interpret and apply information, make reasoned decisions in a business context and interests of relevant stakeholders to address issues in a business context.

**PSO 3:** Demonstrate and adhere to professional ethics, technology enabled learning and ability to develop an entrepreneurial mind set amongst aspiring women, and research to address business problems.

## Course Outcomes (CO): B. B. M

### Semester I

**Course Title: Financial Accounting - I**

**Course Code: A130**

Sr. No	On completing the course, the student will be able to	PSOs addressed	Cognitive Levels
CO 1	Understand the practical and theoretical knowledge of financial accounting.	PSO1, PSO2	R, U
CO 2	Understand the applicability of accounting concepts, principles and conventions.	PSO1, PSO2	R, U, AP
CO 3	Apply the knowledge to prepare financial statements by understanding different capital and revenue items.	PSO1, PSO2	R, U, An, Ap
CO 4	Solve problems relating to final accounts of Sole Trading, departmental and Consignment.	PSO1, PSO2, PSO3	U, An, Ap, E
CO 5	To find out the technical expertise in maintaining the books of accounts.	PSO1, PSO2, PSO3	U, An, Ap, E, C

**Course Title: Principles and practices of Management**

**Course Code: A170**

Sr.No	On completing the course, the student will be able to	PSOs addressed	Cognitive Levels
CO 1	Understand the roles, skills, qualities and competencies required for a manager in a global context and integrate management principles into management practices	PSO1, PSO2	R, U
CO 2	Resolve managerial problems and propose solutions through systematic planning and organising	PSO1, PSO2	U, R, An, Ap
CO 3	Understand and analyse the various principles and techniques of direction and leadership.	PSO1, PSO2	U, R, An
CO 4	Assess managerial practices and choices relating to motivation and business organisation	PSO1, PSO2, PSO3	U, R, An, E
CO 5	Examine the importance of coordination and outline the various methods of control available to the manager	PSO1, PSO2, PSO3	U, R, An, E



**Course Title: Managerial Economics I****Course Code: A140**

Sr. No	On completing the course, the student will be able to	PSOs addressed	Cognitive Levels
CO 1	To acquaint the students with the basics of economics.	PSO1, PSO2	R, U
CO 2	Analyse the demand and supply conditions and assess the position of a company.	PSO1, PSO2	U, R, An
CO 3	Analyse real-world business problems with a systematic theoretical framework.	PSO1, PSO2	U, R, An
CO 4	Design competition strategies, including costing, pricing, profit, product differentiation, and market environment according to the natures of products and the structures of the markets.	PSO1, PSO2, PSO3	U, R, An, E, C
CO 5	To apply economic concepts in various managerial functions of business.	PSO1, PSO2, PSO3	U, R, An, Ap

**Course Title: Quantitative Technique I****Course Code: A120**

Sr. No	On completing the course, the student will be able to	PSOs addressed	Cognitive Levels
CO 1	To enable the students with the key terminology, concepts, tools and techniques used in business statistical analysis.	PSO1, PSO2	R, U
CO 2	Acquaint the students with the underlying assumptions of analysis tools.	PSO1, PSO2	U, R, An
CO 3	Understand the concepts of index numbers and times series.	PSO1, PSO2	U, R, An
CO 4	Conduct basic statistical analysis of data.	PSO1, PSO2, PSO3	U, R, An, E, C
CO 5	Solve a range of problems using the techniques like, central tendency, correlation and regression.	PSO1, PSO2, PSO3	U, R, An, Ap, C

## **Semester II**

**Course Title: Business Communication**

**Course Code: B210**

Sr. No	On completing the course, the student will be able to	PSOs addressed	Cognitive Levels
CO 1	Understand the concept of communication in the business environment.	PSO1, PSO2	R, U
CO 2	Develop knowledge and skills in business writing.	PSO1, PSO2	U, R, An, Ap
CO 3	Apply skills for effective interview techniques, public speaking and interpersonal correspondence.	PSO1, PSO2	U, An, Ap
CO 4	Explain effective tips and strategies for oral communication, various media of communication and communication devices.	PSO1, PSO2, PSO3	U, R, An
CO 5	To draft various types of business reports and meetings.	PSO1, PSO2, PSO3	U, R, An, AP, C

**Course Title: Financial Accounting - II:**

**Course Code: B220**

Sr. No	On completing the course, the student will be able to	PSOs addressed	Cognitive Levels
CO 1	Describe various terms of hire purchase, amalgamation and dissolution.	PSO1, PSO2	R, U
CO 2	Make necessary journal entries in the books of record under hire purchase, amalgamation and dissolution.	PSO1, PSO2	U, R, Ap
CO 3	Acquire conceptual knowledge of partnership, LLP and branch accounts.	PSO1, PSO2, PSO3	U, An, Ap, E
CO 4	Prepare final accounts of partnership and LLP.	PSO1, PSO2, PSO3	U, An, E, C
CO 5	Prepare branch accounts under various methods and compute the profit earned by dependent and independent branches.	PSO1, PSO2, PSO3	U, R, An, AP, E, C

**Course Title: Quantitative Techniques – II****Course Code: B230**

Sr. No	On completing the course, the student will be able to	PSOs addressed	Cognitive Levels
CO 1	Understand the uses and components of probability.	PSO1, PSO2	R, U
CO 2	Describe the concept probability and find the probability of various experiments.	PSO1, PSO2, PSO3	U, R, Ap, E
CO 3	Evaluate sampling and significance of sampling.	PSO1, PSO2, PSO3	U, An, Ap, E
CO 4	Apply statistical tools of testing small and large samples in business applications.	PSO1, PSO2, PSO3	U, An, Ap
CO 5	Graphical representation of various techniques	PSO1, PSO2, PSO3	U, R, An, AP, E, C

**Course Title: Principle of Marketing****Course Code: B240**

Sr. No	On completing the course, the student will be able to	PSOs addressed	Cognitive Levels
CO 1	Understand the concept of marketing and core concepts of marketing.	PSO1, PSO2	R, U
CO 2	Study and analyse the market segmentation and consumer behaviour	PSO1, PSO2	U, R, An
CO 3	Identify the needs and opportunities in market place by marketing managers and top management.	PSO1, PSO2	U, An, Ap
CO 4	Formulate the product and service mix based on the business situation.	PSO1, PSO2, PSO3	U, An, Ap, E
CO 5	Outline the innovative and digital tools to develop marketing strategies for the new age consumer.	PSO1, PSO2, PSO3	U, R, An, AP, E, C

### **Semester III**

**Course Title: Human Resource Management**

**Course Code: C250**

Sr. No	On completing the course, the student will be able to	PSOs addressed	Cognitive Levels
CO 1	Define human resource management, objects, HR planning and HRD.	PSO1, PSO2	R, U
CO 2	Plan human resources and implement techniques of job design and analysis.	PSO1, PSO2	U, R, An
CO 3	Examine the process of recruitment, training and appraise the performance of employees.	PSO1, PSO2, PSO3	U, An, Ap, E
CO 4	Analyse the strategies for compensation and salary administration.	PSO1, PSO2	U, An
CO 5	Evaluate the industrial relations, handle employee issues and evaluate the new trends in HRM	PSO1, PSO2, PSO3	U, R, An, AP, E

**Course Title: Corporate Accounting – I**

**Course Code: 210**

Sr. No	On completing the course, the student will be able to	PSOs addressed	Cognitive Levels
CO 1	Acquaint the students with fundamental aspects of Finance in Business	PSO1, PSO2	R, U
CO 2	Prepare and account for various entries to be passed in case of shares and debentures.	PSO1, PSO2	U, R, An, Ap
CO 3	Prepare and account for various entries to be passed in case of shares and debentures.	PSO1, PSO2	U, An, Ap, C
CO 4	Summarise the concept of Human Resource Accounting.	PSO1, PSO2, PSO3	U, An, Ap, E
CO 5	Preparation of final accounts in case of joint stock companies.	PSO1, PSO2, PSO3	U, R, AP, E, C

**Course Title: Managerial Economics - II:****Course Code:**

Sr. No	On completing the course, the student will be able to	PSOs addressed	Cognitive Levels
CO 1	Acquaint the students with the basics of Firm and their objects.	PSO1, PSO2	R, U
CO 2	Identify various market structures and discuss their implications for resource allocation	PSO1, PSO2	U, R, An
CO 3	Enable the students in price determination in various various market structures.	PSO1, PSO2, PSO3	U, An, Ap, E
CO 4	Understand and apply the concepts of break-even analysis.	PSO1, PSO2, PSO3	U, An, Ap
CO 5	Evaluate the various theories of profit analysis.	PSO1, PSO2, PSO3	U, R, AP, E

**Course Title: Women Entrepreneurship****Course Code: C220**

Sr no	On completing the course, the student will be able to	PSOs addressed	Cognitive Levels
CO 1	Acquaint with the concepts of women entrepreneurship and familiarize with the entrepreneurial development process.	PSO1, PSO2	U, R
CO 2	Identify the business opportunities and traits.	PSO1, PSO2	R, U, AN
CO 3	Understand the role of financial institution, Government Schemes and	PSO1, PSO2	R, U, AN
CO 4	Understand Institutional support for entrepreneurial activities.	PSO1, PSO2	R, U, AN
CO 5	Identify, formulate and prepare a project report.	PSO1, PSO2, PSO3	R, U, AN AP

**Course Title: Organisational Behaviour****Course Code: C230**

Sr no	On completing the course, the student will be able to	PSOs addressed	Cognitive Levels
CO 1	Acquaint the students with the dynamics of different aspects of organisational behaviour	PSO1, PSO2	U, R
CO 2	Apply the concept of organizational behaviour to understand the behaviour of people in the organization.	PSO1, PSO2	R, U, An, Ap
CO 3	Analysing the complexities associated with management of individual behaviour in the organization	PSO1, PSO2	R, U, An
CO 4	Evaluate the various models involved in group development in the organization.	PSO1, PSO2, PSO3	R, U, An, Ap, E
CO 5	Create various leadership roles in organisation using leadership theories.	PSO1, PSO2, PSO3	U, An, Ap, E, C

**Course Title: Modern Banking****Course Code: C240**

Sr no	On completing the course, the student will be able to	PSOs addressed	Cognitive Levels
CO 1	Familiarised with the fundamentals of banking and banking operations.	PSO1, PSO2	R, U
CO 2	Understand the banking concepts and Banker customer relationship.	PSO1, PSO2	U, An
CO 3	Analyse the employment of bank funds.	PSO1, PSO2	U, R, An,
CO 4	Apply the banking operations.	PSO1, PSO2, PSO3	U, An, Ap, E
CO 5	Adapt the new concepts introduced in the banking system, Electronic and Mobile Banking.	PSO1, PSO2, PSO3	U, An, Ap, E

### **Semester IV**

**Course Title: Elements of costing**

**Course Code: D220**

Sr no	On completing the course, the student will be able to	PSOs addressed	Cognitive Levels
CO 1	Understand Basic Cost concepts, Elements of cost and cost sheet.	PSO1, PSO2	R, U
CO 2	Understand materials, materials control and material cost.	PSO1, PSO2	U, An
CO 3	Develop the knowledge about remuneration and incentives.	PSO1, PSO2	U, An, Ap
CO 4	Ascertain Labour Cost, overhead cost and various costing systems.	PSO1, PSO2, PSO3	U, An, Ap, E
CO 5	Application of marginal costing for decision making.	PSO1, PSO2, PSO3	U, An, Ap, E

**Course Title: Management Accounting**

**Course Code: D230**

Sr no	On completing the course, the student will be able to	PSOs addressed	Cognitive Levels
CO 1	Recognize the importance of the application of management accounting concepts in various managerial decision-making process.	PSO1, PSO2	R, U, An
CO 2	Relate and classify various sources of raising funds along with plans to attain profit maximization	PSO1, PSO2	U, An, E
CO 3	Use different tools of financial analysis and ratio analysis for decision making.	PSO1, PSO2	U, An, Ap
CO 4	Analysis of different types of Budgets.	PSO1, PSO2, PSO3	U, An, Ap
CO 5	Prepare funds flow and cash flow statements.	PSO1, PSO2, PSO3	U, An, Ap, E

**Course Title: Corporate Accounting II****Course Code: D210**

Sr no	On completing the course, the student will be able to	PSOs addressed	Cognitive Levels
CO 1	Learn skills about accounting standards	PSO1, PSO2	R, U
CO 2	Impart knowledge about accounts of banking.	PSO1, PSO2	U, R
CO 3	Ascertain profit prior incorporation and post incorporation.	PSO1, PSO2	U, An, Ap
CO 4	Analyse the valuation of goodwill.	PSO1, PSO2, PSO3	U, An, Ap, E
CO 5	Evaluate the need and methods of valuation of shares.	PSO1, PSO2, PSO3	U, An, Ap, E

**Course Title: Corporate Environment****Course Code: D240**

Sr no	On completing the course, the student will be able to	PSOs addressed	Cognitive Levels
CO 1	Acquaint the students with the basis of company and to apply them in various functions of company secretary.	PSO1, PSO2	R, U
CO 2	Understand various important documents in formation of company like Memorandum, Articles and Prospectus of a company	PSO1, PSO2	U, R
CO 3	Analyse the liquidation process.	PSO1, PSO2	U, R, An
CO 4	Formulate the capital structure of a company.	PSO1, PSO2, PSO3	U, An, Ap, E
CO 5	Evaluate the Statutory-annual and extra-ordinary-Board meetings and Draft different types of resolutions.	PSO1, PSO2, PSO3	U, An, Ap, E, C



**Course Title: Business Research Methods****Course Code: D240**

Sr no	On completing the course, the student will be able to	PSOs addressed	Cognitive Levels
CO 1	Understand the basic concepts of research methods.	PSO1, PSO2	R, U
CO 2	Identify the research design and its types and form a framework of research design.	PSO1, PSO2	U, R
CO 3	Explain data collection methods and sampling design	PSO1, PSO2	U, R, An, Ap
CO 4	Apply various tests involved in testing of sampling	PSO1, PSO2, PSO3	U, An, Ap
CO 5	Formulate research report	PSO1, PSO2, PSO3	U, An, Ap, E, C

**Course Title: Insurance – Principles and Practices****Course Code: D260**

Sr no	On completing the course, the student will be able to	PSOs addressed	Cognitive Levels
CO 1	Identify what insurance is, why insurance works and how to determine insurance needs.	PSO1, PSO2	R, U
CO 2	Understand types of insurance and various life insurance contracts	PSO1, PSO2	U, R, An
CO 3	Familiarised themselves with fire insurance and settlement of fire claims.	PSO1, PSO2	U, R, An, Ap
CO 4	Evaluate marine insurance, its type and settlement.	PSO1, PSO2, PSO3	U, An, Ap, E
CO 5	Compare various other miscellaneous insurance.	PSO1, PSO2, PSO3	U, An, Ap, E, C

## Semester :V

**Course Title: Business Taxation - I**

**Course Code: E230**

Sr no	On completing the course, the student will be able to	PSOs addressed	Cognitive Levels
CO 1	Define the various terms of Income Tax, Residential status of a person and calculate total income	PSO1, PSO2	R, U
CO 2	Compute the income from Salary.	PSO1, PSO2, PSO3	U, R, An, E
CO 3	Evaluate income from house property.	PSO1, PSO2, PSO3	U, R, An, Ap, E
CO 4	Compute income from business and profession.	PSO1, PSO2, PSO3	U, An, Ap, E, C
CO 5	Describe and compute the deductions u/s 80C to 80U.	PSO1, PSO2, PSO3	U, An, Ap, E, C

**Course Title: Business Law**

**Course Code: E210**

Sr no	On completing the course, the student will be able to	PSOs addressed	Cognitive Levels
CO 1	Understand various concepts of business law.	PSO1, PSO2	R, U
CO 2	Develop knowledge on contracts and various types of contracts.	PSO1, PSO2	U, R, Ap
CO 3	Describe the performance of contracts, discharge and breach of contracts.	PSO1, PSO2	U, R, An, Ap
CO 4	Equip with contract of sale of goods	PSO1, PSO2, PSO3	U, An, Ap, E
CO 5	Analyse the various concepts of negotiable instrument Act and partnership Act of 1932.	PSO1, PSO2, PSO3	U, An, Ap

**Course Title: Production & Operations Management**  
**Course Code: E220**

Sr no	On completing the course, the student will be able to	PSOs addressed	Cognitive Levels
CO 1	Acquire knowledge on concepts & principles of Production & Operations Management.	PSO1, PSO2	R, U
CO 2	Gain knowledge on plant layout and plant location	PSO1, PSO2	U, R, An, Ap
CO 3	Examine the working conditions	PSO1, PSO2	U, R, An, Ap
CO 4	Analyse production planning & control	PSO1, PSO2, PSO3	U, An, Ap, E
CO 5	Draw charts on quality control.	PSO1, PSO2, PSO3	U, An, Ap, E, C

**Course Title: Strategic Business Management**  
**Course Code: E240**

Sr no	On completing the course, the student will be able to	PSOs addressed	Cognitive Levels
CO 1	Understand the overview of Strategic management	PSO1, PSO2	R, U
CO 2	Identify the role of external and internal scanning in forecasting of strategic management	PSO1, PSO2	U, R
CO 3	Apply strategy formation for corporate strategy	PSO1, PSO2	U, R, An, Ap
CO 4	Analyse strategic implementation and control.	PSO1, PSO2	U, R, An
CO 5	Evaluate the strategic alliances, mergers and acquisitions.	PSO1, PSO2, PSO3	U, An, Ap, E, C

## **Semester: VI**

**Course Title: Global Marketing**

**Course Code: F210**

Sr no	On completing the course, the student will be able to	PSOs addressed	Cognitive Levels
CO 1	Understand the concept of global marketing	PSO1, PSO2	R, U
CO 2	Understand the facts of balance of payments	PSO1, PSO2	U, R, An
CO 3	Identify the various modes of international trade.	PSO1, PSO2	U, R, An, Ap
CO 4	Apply economic reasoning to foreign exchange market	PSO1, PSO2, PSO3	U, R, An Ap,
CO 5	Evaluate the policies and procedures of Financial institutions and WTO.	PSO1, PSO2, PSO3	U, An, Ap, E

**Course Title: E-Business**

**Course Code: F220**

Sr no	On completing the course, the student will be able to	PSOs addressed	Cognitive Levels
CO 1	Define the conceptual frame work and applications of E-Business and Ecommerce.	PSO1, PSO2	R, U
CO 2	Build and understanding of various concepts related to E-Payment Systems and Internet Banking	PSO1, PSO2	U, R, An
CO 3	Explain the concepts of online marketing.	PSO1, PSO2	U, R, An
CO 4	Analyse the online shopping process.	PSO1, PSO2, PSO3	U, R, An
CO 5	Demonstrate the awareness about security risks pertaining to E-Commerce and digital tools that can help prevent and/or overcome these threats.	PSO1, PSO2, PSO3	U, An, Ap, C

**Course Title: Business Taxation - II**  
**Course Code: F230**

Sr no	On completing the course, the student will be able to	PSOs addressed	Cognitive Levels
CO 1	Understand the Assessment Procedure and filing income tax returns.	PSO1, PSO2	R, U
CO 2	Understand the concepts of GST.	PSO1, PSO2	U, R, An
CO 3	Set-off of losses and compute total income of an Individual and firm.	PSO1, PSO2, PSO3	U, R, An, Ap, E
CO 4	Make assessment of Individual and Firm.	PSO1, PSO2, PSO3	U, R, An, Ap, E
CO 5	Compute incomes under capital gain and other sources.	PSO1, PSO2, PSO3	U, An, Ap, E, C

**Course Title: Project Report**  
**Course Code: F320**

Sr no	On completing the course, the student will be able to	PSOs addressed	Cognitive Levels
CO 1	Recognise the requirement of research in a selected topic and the sources available.	PSO1, PSO2	R, U, An
CO 2	Undertake problem identification, formulation and solution.	PSO2, PSO3	U, R, An
CO 3	Prepare a framework using their technical and theoretical knowledge for their respective project and evaluate various research methodology.	PSO2, PSO3	U, An, Ap, E
CO 4	Complete a Research project on a topic with respect to the field of human resource management/ marketing / finance/ investment management.	PSO2, PSO3	U, An, Ap, E
CO 5	Demonstrate their Research project.	PSO 2, PSO3	U, An, Ap, E, C



Hyderabad Karnataka Education Society's

**Smt. Veeramma Gangasiri College for Women**  
(Affiliated to Akka Mahadevi Women's University, Vijayapura & Reaccredited with "A" Grade by NAAC)  
KALABURAGI-585102



## ***DEPARTMENT OF PHYSICS***

## **PROGRAMME: M.Sc PHYSICS**

### **Course Outcomes**

### **Programme Outcomes**

### **Programme Specific Outcomes**

### **Course Outcomes**

Core Course – Semester I			
Course Title : Classical Mechanics			
Code: PHT 1.1			
CO No.	Course Outcomes	POs Addressed	Cognitive Level
CO-1	Illustrate the Lagrangian and Hamiltonian dynamics and apply these formulations to any given physical system including relativistic mechanics.	PO1, PO4	Ap
CO-2	Explain Canonical transformations and Hamilton-Jacobi theory	PO1, PO2, PO3, PO4,	An
CO-3	Analyze the theory of Euler's angle and equation of motion symmetric and heavy symmetric top	PO1, PO2, PO4	An
CO-4	Summarize the dynamics of a rigid body and discuss the central force problem	PO1,PO2, PO3,PO4,	U
CO-5	Relate the Kepler's laws of motion to the equation of motion for the orbits	PO1, PO2, PO3, PO4,	Ap

Core Course – Semester I			
Course Title : Mathematical and Computational Physics I			
Code: PHT 1.2			
CO No	Course outcomes	Pos Addressed	Cognitive level
CO-1	Measure the linear dependence and linear combination of vectors as quantities in physics.	PO1	U
CO-2	Summarize the Different types of special functions	PO1, PO2, PO3, PO4,	U
CO-3	Examine the differentiation and integration of vector fields through vector calculus and apply them to solve problems in Physics	PO1, PO2, PO4,	Ap
CO-4	Discuss about special types of matrices and their applications in Physics including solution of equations.	PO1, PO2, PO3, PO4,	Ap
CO-5	Represent the introductory concepts in tensors	PO1, PO3, PO4,	U

<b>Core Course – Semester I</b>			
<b>Course Title : Atomic, Molecular and optical Physics (General)</b>			
<b>Code: PHT 1.3</b>			
<b>CO No</b>	<b>Course outcomes</b>	<b>Pos Addressed</b>	<b>Cognitive level</b>
CO-1	Understand vector atom model to explain spectroscopic behavior of atoms in electric and magnetic field	PO1, PO3, PO4,	U
CO-2	Summarize Normal and Anomalous Zeeman effect.	PO1, PO4,	U
CO-3	Explain the rotational spectrum of rigid and non-rigid diatomic rotator	PO1, PO2, PO3,	A p
CO-4	Illustrate the effects of rotation on vibrational spectra of polyatomic molecules	PO1,	A p
CO-5	Explain theory and experimental techniques of different spectrometers like IR , UV and Visible	PO1, PO2, PO3,	An

<b>Core Course – Semester I</b>			
<b>Course Title : Basic Electronics</b>			
<b>Code: PHT 1.4</b>			
<b>CO No</b>	<b>Course outcomes</b>	<b>Pos Addressed</b>	<b>Cognitive level</b>
CO-1	Illustrate the working of an instrumentation amplifier and its applications.	PO1, PO2, PO3, PO4,	U
CO-2	Summarize various active filters, integrator and differentiator.	PO1, PO2, PO3, PO4,	U
CO-3	Relate the knowledge of op amp circuits to construct and analyze various practical op amp circuits.	PO1,	Ap
CO-4	Distinguish between the types of logic gates	PO1, PO2, PO4,	An
CO-5	Estimate the output for different flip-flops	PO1, PO3,	An



Core Course – Semester I			
Course Title : Instrumentation			
Code: PST 1.5			
CO No	Course outcomes	Pos Addressed	Cognitive level
CO-1	Interpret the working of high temperature furnaces and its applications.	PO1, PO2, PO3, PO4,	U
CO-2	Identify various types of detectors and spectroscopic applications.	PO1, PO2, PO3, PO4,	U
CO-3	Apply the knowledge of order of instruments for various practical purposes.	PO1,	Ap
CO-4	Distinguish the principle and operation of various pumps like rotary , diffusion , sorption	PO1, PO2, PO4,	An
CO-5	Illustrate working principle of gauges and vacuum systems	PO1, PO3,	An

Core Course – Semester I			
Course Title : General Physics lab and Basic Electronics Lab			
Code: PHP 1.6			
CO No	Course outcomes	Pos Addressed	Cognitive level
CO-1	Learn to carry out experiments in areas of physics such as electronics and Instrumentation.	PO1, PO4,	A p
CO-2	Capability for planning, executing the experiment and to Interpret findings using the correct physical scientific framework and tools.	PO2, PO3,	A p
CO-3	Ability to present the results of a theoretical or experimental investigation in a systematic way.	PO1, PO2, PO4	A p
CO-4	Evaluate possible causes of error in experimental observations and results	PO1, PO4,	A p
CO-5	To demonstrate proficiency in communicating competently in groups.	PO3	A p

<b>Core Course – Semester I</b>			
<b>Course Title :Feminist Jurisprudence</b>			
<b>Code: OE 1.7</b>			
<b>CO No</b>	<b>Course outcomes</b>	<b>Pos Addressed</b>	<b>Cognitive level</b>
CO-1	Understand the provisions under the Indian Constitution relating to women.	PO1	U
CO-2	Apply the labour and employment laws related to women in un-organized sector.	PO2, PO3, PO4,	Ap
CO-3	Distinguish about the different types of Acts like Child marriage restraint, prevention of sati, sexual harassment and domestic violence act.	PO1, PO2,	An
CO-4	Explain the different religious laws for women and various rights.	PO1, PO2, PO4,	An
CO-5	Focus Discuss the provisions under justice Verma committee.	PO1, PO4	An

<b>Core Course – Semester II</b>			
<b>Course Title :Quantum Mechanics I</b>			
<b>Code: PHT 2.1</b>			
<b>CO No</b>	<b>Course outcomes</b>	<b>Pos Addressed</b>	<b>Cognitive level</b>
CO-1	Identify Dirac notations; use them to analyze eigen states.	PO1, PO3,	U
CO-2	Illustrate time evolution operator, Heisenberg and Schrodinger picture	PO1, PO2, PO4	U
CO-3	Relate the fundamental commutation relations, eigen values and eigen states of angular momentum operator.	PO1, PO2, PO4	Ap
CO-4	Explain the Hydrogen atom using the quantum theory.	PO1, PO2,	Ap
CO-5	Distinguish between Hermitian , Unitary and Projection Operators.	PO1, PO3, PO4,	An

Core Course – Semester II			
Course Title : Mathematical and Computational Methods of Physics II			
Code: PHT 2.2			
CO No	Course outcomes	Pos Addressed	Cognitive level
CO-1	Identify the different types of groups present in group theory	PO1	U
CO-2	Discuss the applications of the residues Theorem	PO1, PO2, PO4,	U
CO-3	Develop the knowledge of algebraic and transcendental equations using different methods	PO1, PO2, PO4,	Ap
CO-4	Apply the trapezoidal , sympons rule for solving problems in Physics	PO2, PO3, PO4,	Ap
CO-5	Distinguish between different types of operators using C programming	PO1, PO3, PO4,	An

Core Course – Semester II			
Course Title : Nuclear Physics (General)			
Code: PHT 2.3			
CO No	Course outcomes	Pos Addressed	Cognitive level
CO-1	State the basic properties of nucleus and nuclear forces	PO1, PO4,	R
CO-2	Identify the reaction probability and cross section of nuclear reactions	PO1,	U
CO-3	Practice problems in Nuclear Physics using G M Counter and Scintillations detector	PO2, PO3, PO4,	Ap
CO-4	Compare the different nuclear decay processes, interactions, their characteristics	PO1, PO2,	An
CO-5	Classify the elementary particles, nuclear interactions, symmetries and their conservation law	PO1, PO2, PO4	An

<b>Core Course – Semester II</b>			
<b>Course Title : Condensed Matter Physics (General)</b>			
<b>Code: PHT 2.4</b>			
<b>CO No</b>	<b>Course outcomes</b>	<b>Pos Addressed</b>	<b>Cognitive level</b>
CO-1	Tabulate the crystal structure and its classes	PO1 PO4	R
CO-2	Observe the different methods in X ray diffraction	PO2, PO3	U
CO-3	Determine the results of a theoretical or experimental investigation in a systematic way.	PO1, PO2, PO4,	Ap
CO-4	Relate the possible causes of error in experimental observations and results	PO1, PO4	Ap
CO-5	Explain the proficiency in communicating competently in groups.	PO3,	An

<b>Core Course – Semester II</b>			
<b>Course Title :Physics of Laser and Laser Applications</b>			
<b>Code: PST 2.5</b>			
<b>CO No</b>	<b>Course outcomes</b>	<b>Pos Addressed</b>	<b>Cognitive level</b>
CO-1	Define the fundamentals of lasers and their characteristics	PO1, PO2, PO4,	R
CO-2	Classify the pulse shortening and line broadening mechanism	PO1,	U
CO-3	Apply the working principle and energy level diagram for different types of lasers system	PO1,	Ap
CO-4	Analyze the applications of lasers in different field.	PO1, PO2, PO3, PO4,	An
CO-5	Determine the wavelengths for different types of laser	PO1, PO2, PO3, PO4,	E

<b>Core Course – Semester II</b>			
<b>Course Title :Practical II –Method Using C Programming Lab</b>			
<b>Code: PHP 2.6</b>			
<b>CO No</b>	<b>Course outcomes</b>	<b>Pos Addressed</b>	<b>Cognitive level</b>
CO-1	Explain the methods for curve –fitting and ordinary differential equations	PO1, PO2, PO4,	U
CO-2	Discuss the various methods to solve algebraic, transcendental equations and linear equations using C Programme	PO1, PO2, PO3, PO4	U
CO-3	Solve numerical problems of curve fitting and ordinary differential equations	PO2, PO4,	Ap
CO-4	Explain algebraic and transcendental equations using these equations	PO1, PO2, PO4,	Ap
CO-5	Select the different methods to find numerical solution of ordinary, partial differential equations and system of equations.	PO2, PO3, PO4,	E

<b>Core Course – Semester II</b>			
<b>Course Title : Women Health</b>			
<b>Code: OE C 2.5</b>			
<b>CO No</b>	<b>Course outcomes</b>	<b>Pos Addressed</b>	<b>Cognitive level</b>
CO-1	Understand the socio cultural and economic determinates of women health and sexuality.	PO1,	U
CO-2	Describe the various issues related to women health	PO1, PO2	U
CO-3	Apply the knowledge of beauty industry and women’s health in society	PO2, PO3, PO4,	Ap
CO-4	Focus the problems of surrogate motherhood and Burdon of reproduction on women	PO1, PO2, PO4,	An
CO-5	Analyze the different policy interventions and Government initiatives for women’s health like WHO, NHFS and MCH.	PO1, PO4	An

Core Course – Semester III			
Course Title : Quantum Mechanics II			
PHT 3.1			
CO No	Course outcomes	Pos Addressed	Cognitive level
CO-1	Describe the time dependent perturbation theory and apply it to selected examples of quantum systems.	PO1, PO3, PO4,	U
CO-2	Explain the relativistic quantum mechanics: Klein- Gordan and Dirac equations.	PO1, PO3, PO4,	U
CO-3	Apply fundamental time independent approximation methods for various problems in quantum mechanics.	PO1, PO3, PO4	Ap
CO-6	Examine the variation method and WKB approximation to solve problems in quantum mechanics.	PO1, PO2	Ap
CO-7	Estimate the basic concepts of scattering and solve scattering problems	PO1, PO2,	An

Core Course – Semester III			
Course Title : Statistical Mechanics			
PHT 3.2			
CO No	Course outcomes	Pos Addressed	Cognitive level
CO-1	Summarize the concept of ensembles and apply the ensemble theory to solve different physical systems.	PO1, PO3, PO4	U
CO-2	Classify the different types of ensembles	PO1, PO3,	U
CO-3	Apply probability theory for various thermodynamic quantities for a given system.	PO1, PO2	A p
CO-5	Illustrate the principles of classical and quantum statistical physics. Apply them to analyze the real-world problems.	PO1, PO2, PO3, PO4	A p
CO-4	Develop analytical ability to solve problems relevant to statistical mechanics.	PO2, PO3, PO4,	A n

<b>Core Course – Semester III</b>			
<b>Course Title : Electrodynamics</b>			
<b>PHT 3.3</b>			
<b>CO No</b>	<b>Course outcomes</b>	<b>Pos Addressed</b>	<b>Cognitive level</b>
CO-1	Explain the basic theories of electrostatics and magneto-statics and solve the problems related to these numerically.	PO1	U
CO-2	Discuss the relativistic aspects of electrodynamics	PO1, PO2, PO4,	U
CO-3	Examine propagation of electromagnetic waves through different medium and categorize the conservation laws.	PO1, PO2, PO3, PO4	Ap
CO-4	Analyze the applications of electromagnetic potential and Lorentz gauge	PO1, PO2, PO3, PO4,	An
CO-5	Compare waves in non conducting media and polarization	PO1, PO2, PO3,	E

<b>Core Course – Semester III</b>			
<b>Course Title : Nuclear Physics I (Special)</b>			
<b>PST 3.4</b>			
<b>CO No</b>	<b>Course outcomes</b>	<b>Pos Addressed</b>	<b>Cognitive level</b>
CO-1	Recall various properties of nuclear forces	PO1,	R
CO-2	Identify the various nucleon interaction and Deuterons	PO1,	U
CO-3	Classify the different types of electronics instruments	PO2, PO3, PO4,	A p
CO-4	Explain the spin dependence of nuclear forces and characteristics of neutron –proton scattering	PO1, PO2,	A n
CO-5	Differentiate between different types of converter in nuclear electronics	PO1, PO2, PO4,	A n

Core Course – Semester III			
Course Title : Nuclear Physics Lab (Special)			
PSP 3.5			
CO No	Course outcomes	Pos Addressed	Cognitive level
CO-1	Apply the knowledge to carry out experiments in basic as well as certain advanced areas of physics such as Nuclear physics	PO1 PO4,	Ap
CO-2	Capability for planning, executing the experiment and to Interpret findings using the correct physical scientific framework and tools.	PO2, PO3,	Ap
CO-3	Practice the results of theoretical or experimental investigation of nuclear unit radius	PO1, PO2, PO4,	Ap
CO-4	Calculate possible causes of error in experimental observations and results	PO1, PO4,	Ap
CO-5	Examine proficiency in communicating competently in groups.	PO3,	Ap

Core Course – Semester III			
Course Title : Computer Concepts and Office Automation			
POE 3.6			
CO No	Course outcomes	Pos Addressed	Cognitive level
CO-1	Describe the fundamentals of computers.	PO1,	U
CO-2	Explain the different types of internet connections	PO1, PO2, PO4,	U
CO-3	Choose operating system and types of operating system, Computer network.	PO1, PO2, PO3, PO4,	Ap
CO-4	Analyze the applications of computers in new presentations	PO1, PO2, PO3, PO4,	An
CO-5	Summarize the different applications of computers.	PO1, PO2, PO3,	E



Core Course – Semester IV			
Course Title :Nuclear Physics II (Special)			
PHT 4.1			
CO No	Course outcomes	Pos Addressed	Cognitive level
CO-1	Describe the various types of nuclear fission and fission fragments	PO1	R
CO-2	Discuss about the different nuclear decay processes, interactions, their characteristics and analyses beta decay in detail.	PO1, PO2,	U
CO-3	Solve problems in Nuclear Physics	PO2, PO3, PO4,	Ap
CO-4	Distinguish the elementary particles, nuclear interactions, symmetries and their conservation law	PO1, PO2, PO4	An
CO-5	Explain the basic ideas of Z boson and Evaluation of neutron kaon beam with a time regeneration experiments	PO1, PO4,	An

Core Course – Semester IV			
Course Title : Nuclear Physics III (Special)			
PHT 4.2			
CO No	Course outcomes	Pos Addressed	Cognitive level
CO-1	Explain the characteristics of heavy ion reaction	PO1, PO3	U
CO-2	Describe the plane wave born approximation	PO1, PO3,	U
CO-3	Examine the basics of different types of independent nuclear models	PO1, PO2, PO4,	An
CO-4	Illustrate the concepts of shell model and vibration model	PO1, PO4,	An
CO-5	Distinguish the types of rotational model and Nilsson- Hamiltonian models calculations of energy levels prediction of ground state spin	PO1, PO2, PO3,	Ap

<b>Core Course – Semester IV</b>			
<b>Course Title : Material Science</b>			
<b>PST 4.3</b>			
<b>CO No</b>	<b>Course outcomes</b>	<b>Pos Addressed</b>	<b>Cognitive level</b>
CO-1	List the classification levels of structure of solid	PO1, PO2, PO3, PO4	U
CO-2	Identify the types of crystal imperfections	PO1, PO2, PO3,	Ap
CO-3	Apply the solid phases knowledge to explain the phase diagrams	PO2, PO4,	Ap
CO-4	Explain difference between crystalline and non crystalline states	PO1, PO2, PO4,	Ap
CO-5	Correlate diffusion in solids and their applications.	PO1, PO2, PO3,	An

<b>Core Course – Semester IV</b>			
<b>Course Title : Project Work</b>			
<b>PHP 4.4</b>			
<b>CO No</b>	<b>Course outcomes</b>	<b>Pos Addressed</b>	<b>Cognitive level</b>
CO-1	Demonstrate a sound scientific knowledge of their selected research topic	PO1, PO2, PO3	U
CO-2	Understand the research methodology and will help them in their future research career.	PO1, PO2, PO4	U
CO-3	Establish the knowledge, skills and attitudes of a professional researcher	PO1, PO2, PO3	Ap
CO-4	Undertake problem identification formulation and solution	PO1, PO2, PO4,	An
CO-5	Develop ability of doing scientific research	PO1, PO3,	C

Core Course – Semester IV			
Course Title : Information Technology			
POE 4.5			
CO No	Course outcomes	Pos Addressed	Cognitive level
CO-1	Describe the popular web browsing software and search engines	PO1, PO3,	U
CO-2	Discuss the concepts spreadsheets and conditional formatting	PO1, PO4,	U
CO-3	Illustrate data base concepts and data storage	PO1, PO2, PO3,	Ap
CO-4	Express the basics of web design and HTML	PO1, PO3	C
CO-5	Classify the characteristic fundamental of networking.	PO1, PO2, PO4,	An

### Programme outcomes

PO No	Within a few years of earning a M.Sc degree in Physics , graduates are expected to achieve one or more of the following programme educational outcome
PO-1	<b>Deep Knowledge in the Discipline:</b> Acquire in-depth knowledge and understanding of physics with higher order critical, analytical, and mathematical and research skills.
PO-2	<b>Critical Thinking:</b> To develop an informed and analytical approach to learning and demonstrate an in-depth knowledge of the subject and to give his/her opinion supported by logical reasoning and problem-solving skills.
PO-3	<b>Effective Communication:</b> To demonstrate proficiency in communicating competently in groups and organizations, competence in interpersonal communication and to possess skills to effectively deliver formal and Informal presentations to a variety of audiences in multiple contexts.
PO-4	<b>Lifelong Learning:</b> To develop a passion to be an independent lifelong learner by imbibing real-time changes in the socio-technological context, promoting continuous development and improvement of the knowledge and skills needed for employment and personal fulfillment.
PO-5	<b>Pursue research:</b> In a particular subject-area students become very expert during exploring their project related to basic research. The analytical, mathematical and experimental concept of the students in the corresponding topic gets very strong and leads them to choose research or higher education as their career.

## Program Specific Outcomes:

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

PSO No	Within a few years of earning a M.Sc degree in Physics , graduates are expected to achieve one or more of the following programme educational outcome
PSO-1	<b>Deep Knowledge in the Discipline:</b> Acquire in-depth knowledge and understanding of physics with higher order critical, analytical, and mathematical and research skills.
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