

BACHELOR OF SCIENCE

Program Outcomes (POs) for Bachelor of Science

PO 1: Domain Knowledge - Acquire and apply knowledge of science in relevant areas.

PO 2: Problem Analysis - Recognize real-world problems and user's requirements to propose solutions for the same using basic principles of science.

PO 3: Design and Development of Solutions -Developing solutions and inferences for complex problems using critical and analytical thinking.

PO 4: Investigation & Research - Ability to formulate hypothesis, augment research questions and identify & refer relevant sources for examining or inspecting technical issues as per their level of understanding and knowledge.

PO5: Use of Modern Techniques/Tools – Use digital resources, various software/platforms and appropriate techniques to interpret concepts of science.

PO6: Impact of Science on Society – To prepare competent human resource and to develop scientific attitude at local and global levels for social benefit.

PO7: Environment and Sustainability – Apply the knowledge gained for conserving environment and to handle environmental issues with sustainable solutions.

PO8: Moral and Ethical Values – Imbibe moral values and professional ethics to maintain the integrality in a professional scenario while being aware of the cultural diversities.

PO9: Individual and Team Work with Time Management – Work productively in a team or as an individual while exhibiting time management skills.

PO 10: Communication – Develop the caliber to convey various concepts of science effectively.

PO 11: Project Management and Finance – Set up enterprises/companies and build entrepreneurship, project management and finance planning skills.

PO 12: Life-long Learning – Engage in the art of self-directed learning.

DEPARTMENT OF BIOCHEMISTRY

DSC (1) Syllabus for B.Sc. Biochemistry (Basics and Honors)

Semester-I

Course Code : 212169		
	Theory	Practical
Course Title:	DSC(1)-Chemical Foundations of Biochemistry-1	Volumetric analysis
Total Course credits (L:T:P)(4:0:2)	04	02
Total contact hours	56	56
Hours of teaching /week	04	04
Formative assessment marks	40	25
Semester End Assessment marks	60	25
Exam duration	2½Hrs	3Hrs

COURSE OUTCOMES (COs):

CO1: Illustrate the structure and functions of organelles, classify and quote chemical composition of living organism. Gain knowledge on metric system and identify formulae and apply to solve problems using analytical skills.

CO2: Interpret the concept of atom and depict the electronic configuration of elements. Illustrate the nature and significance of various Chemical bonds and theories of chemical bonding.

CO3: Acquire the knowledge of concept of acids, bases, buffer & its preparation and colligative properties of solutions.

CO4: Elucidate the construction and uses of various electrochemical cells, half-cell reactions. Calculate electrode potential using various methods. Apply laws of thermodynamics in system and epitomize redox reactions and its role as biologically active form in a system.

COURSE ARTICULATION MATRIX: DSC (1) -212169

PO \ CO	Program Outcomes											
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	2	3	1	2	1	1	1	1	2	1	-	1
CO2	3	2	1	-	1	1	1	1	1	1	-	-
CO3	2	2	1	1	1	1	1	1	1	1	1	1
CO4	2	2	1	-	1	1	1	1	1	1	1	1
Weighted average	2.25	2.25	1	1.5	1	1	1	1	1.25	1	1	1

OE (1) Biochemistry Syllabus for All Programs (Except Science)

Semester-I

Course Code : 21OEBIC101	
Course Title:	Biochemistry in Health and Disease
Total Course credits (L:T:P) (3:0:0)	03
Total contact hours	42
Hours of teaching /week	03
Formative assessment marks	40
Semester End Assessment marks	60
Exam duration	2 ½ Hrs

COURSE OUTCOMES (COs):

CO1: Gain knowledge about health, dimensions of health and various terminologies used in health and disease conditions. Classify diseases and suggest measures for general health care.

CO2: Illustrate symptoms, diagnosis, treatment and preventive measures associated with different types of diseases and disorders

CO3: Identify, assess, and implement personal wellness behaviors and individual health promotion strategies and illustrate the nature of infection and their defensive mechanisms.

COURSE ARTICULATION MATRIX: OE(1)- 21OEBIC101

CO \ PO	Program Outcomes											
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	2	2	3	1	1	1	1	1	1	2	-	2
CO2	2	2	3	1	1	1	1	1	1	2	1	2
CO3	2	2	3	1	1	1	1	1	1	2	1	2
Weighted Average	2	2	3	1	1	1	1	1	1	2	1	2

DSC (2) Syllabus for B.Sc. Biochemistry (Basics and Honors)

Semester-II

Course Code : 212269

	Theory	Practical
Course Title:	DSC(2)-Chemical Foundations of Biochemistry-2	Qualitative & Quantitative analysis-2
Total Course credits:(L:T:P) (4:0:2)	04	02
Total contact hours	56	56
Hours of teaching/week	04	04
Formative assessment marks	40	25
Semester End Assessment marks	60	25
Exam duration	2 ½ Hrs	3Hrs

COURSE OUTCOMES (COs):

CO1: Illustrate the properties, characteristics and applications of different types of catalysts and colloids in daily life and elucidate the stability and purification of colloids using different methods.

CO2: Categorize organic compounds and nomenclature it using IUPAC rules. Implement the different types of stereoisomer and their configuration using CIP rules and illuminate the role of stereochemistry in biological systems.

CO3: Classify organometallic compounds, minerals and ores and acquire knowledge about preparations, applications of organometallic compounds and extraction, purification and importance of minerals and ores. Illustrate the structure, occurrence and role of metalloporphyrins in biological systems.

CO4: Categorize the inorganic molecules and nomenclature it by implementing rules. Depict coordination complexes, its stereochemistry and application in various fields. Illustrate the sources, types, poisoning, signs and symptoms of heavy metals. Gain competence in free radicals-generation and its role in biological system.

COURSE ARTICULATION MATRIX: DSC (2)-212269

PO \ CO	Program Outcomes											
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	3	2	2	1	1	1	1	1	1	1	-	1
CO2	3	2	2	1	1	-	1	1	1	-	-	-
CO3	2	1	1	1	1	1	1	1	1	-	1	1
CO4	2	1	1	1	1	2	1	1	1	1	-	1
Weighted average	2.5	1.5	1.5	1	1	1.33	1	1	1	1	1	1

OE (2) Biochemistry Syllabus for All Programs (Except Science)

Semester-II

Course Code : 21OEBIC201	
Course Title:	Nutrition and Dietetics
Total Course credits (L:T:P) (3:0:0)	03
Total contact hours	42
Hours of teaching/week	03
Formative assessment marks	40
Semester End Assessment marks	60
Exam duration	2 ½ Hrs

COURSE OUTCOMES (COs):

CO1: Acquire the knowledge on the basic principles of balance diet in providing energy requirements, Recommended Dietary Allowances and factors influencing BMR.

CO2: Gain competence in connecting the role of various nutrients in maintaining health and ability to describe the functions and role of macronutrients and micronutrients, their requirements and the effect of deficiency and excess.

CO3: Apply basic nutrition knowledge in diet planning and diet considerations in disease conditions and the impact of various functional foods on our health.

COURSE ARTICULATION MATRIX: OE (2) - 21OEBIC201

CO \ PO	Program Outcomes											
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	3	2	2	1	1	1	1	1	1	2	-	2
CO2	3	2	2	1	1	1	1	1	1	2	1	2
CO3	3	2	2	1	1	1	1	1	1	2	1	2
Weighted average	3	2	2	1	1	1	1	1	1	2	1	2

DSC (3) Syllabus for B.Sc. Biochemistry (Basics and Honors)

Semester-III

Course Code :	222369	
Course Title:	DSC(3)- Bio-organic Chemistry	
	Theory	Practical
Total Course credits (L:T:P) (4:0:2)	04	02
Total contact hours	56	56
Hours of teaching/week	04	04
Formative assessment marks	40	25
Semester End Assessment marks	60	25
Exam duration	2 ½ Hrs	3Hrs

COURSE OUTCOMES (COs):

CO1: Classify the organic reactions and illustrate the concept of reactive intermediates of organic compounds and the fundamental aspects of reaction mechanism.

CO2: Elucidate the mechanism, stereochemistry and energy profile diagrams of substitution and elimination reactions and addition reactions of with examples.

CO3: Develop competence in relating the chemistry and role of co-enzymes and interpret the mechanism of electrophilic aromatic substitution reaction.

CO4: Acquire the knowledge the Isolation, classification, structure, properties and biological importance of various bio-organic compounds.

COURSE ARTICULATION MATRIX: DSC (3)- 222369

PO \ CO	Program Outcomes											
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO10	PO 11	PO 12
CO1	3	1	1	2	1	1	1	1	1	1	-	1
CO2	3	1	1	2	1	-	1	1	1	1	-	1
CO3	3	1	1	2	1	-	1	1	1	1	-	2
CO4	3	1	1	2	1	1	2	1	1	1	1	2
Weighted average	3	1	1	2	1	1	1.25	1	1	1	1	1.5

OE (3) Biochemistry Syllabus for All Programs (Except Science)

Semester-III

Course Code :		22OEBIC301
Course Title:		Biochemical Techniques
Total Course credits (L:T:P) (3:0:0)		03
Total contact hours		42
Hours of teaching/week		03
Formative assessment marks		40
Semester End Assessment marks		60
Exam duration		2 ½ Hrs

COURSE OUTCOMES (COs):

CO1: Explicate the different types of microscope and their characteristics. Implement the knowledge of basic principles of centrifugation, their types and applications.

CO2: Develop competence in handling various chromatographic, electrophoretic techniques and apply them in isolating and characterizing different biological molecules

CO3: Acquire the knowledge of basic principle, methodology and applications of radio isotopic methods and spectroscopic methods in bio-analysis.

COURSE ARTICULATION MATRIX: OE (3): 22OEBIC301

PO \ CO	Program Outcomes											
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	2	1	2	2	1	1	1	1	1	1	-	2
CO2	2	1	2	2	2	2	1	1	1	1	2	2
CO3	2	1	2	2	1	3	1	2	1	1	1	2
Weighted average	2	1	2	2	1.33	2	1	1.33	1	1	1.5	2

OE (3) Biochemistry Syllabus for All Programs (Except Science)

Semester-III

Course Code :	22OEBIC302
Course Title:	Hormones- Biochemistry and function
Total Course credits (L:T:P) (3:0:0)	03
Total contact hours	42
Hours of teaching/week	03
Formative assessment marks	40
Semester End Assessment marks	60
Exam duration	2 ½ Hrs

COURSE OUTCOMES (COs):

CO1: Classify hormones and demystify functions of various hormones.

CO2: Interpret the hormonal systems act in an integrated manner to regulate overall body functions.

CO3: Analyze the failure of the normal physiologic functions and integrations associated with some endocrine disorders.

COURSE ARTICULATION MATRIX: OE (3)- 22OEBIC302

PO CO	Program Outcomes											
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	2	1	2	2	1	1	2	1	1	1	-	1
CO2	2	1	2	2	1	2	2	1	1	1	-	1
CO3	2	1	2	2	1	3	2	1	1	1	-	1
Weighted average	2	1	2	2	1	2	2	1	1	1	-	1

DSC (4) Syllabus for B.Sc. Biochemistry (Basics and Honors)

Semester- IV

Course Code :	222469	
Course Title:	DSC(4)- Analytical Biochemistry	
	Theory	Practical
Total Course credits (L:T:P) (4:0:2)	04	02
Total contact hours	56	56
Hours of teaching/week	04	04
Formative assessment marks	40	25
Semester End Assessment marks	60	25
Exam duration	2 ½ Hrs	3Hrs

COURSE OUTCOMES (COs):

CO1: Illustrate different methods of extraction and biological sample preparation. Get acquainted with care and maintenance of equipment and chemicals. Acquire the knowledge of basic principles of centrifugation, their types and applications.

CO2: Develop competence in handling various chromatographic techniques and apply the principle of chromatography in isolating and characterizing different biological molecules i.e., proteins, electrolytes, hormones etc.

CO3: Implement the knowledge of basic principle, methodology, applications of various electrophoretic techniques and radio isotopic methods in various fields

CO4: Elucidate the principle, methodology and applications of different types of spectroscopic methods of bio-analysis.

COURSE ARTICULATION MATRIX: DSC (4) - 222469

PO \ CO	Program Outcomes											
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO10	PO 11	PO 12
CO1	3	2	2	2	1	1	1	1	1	1	2	1
CO2	3	2	2	2	1	-	2	1	2	1	2	1
CO3	3	2	2	2	1	-	2	2	1	1	2	1
CO4	3	2	2	2	1	1	2	1	1	1	2	1
Weighted average	3	2	2	2	1	1	1.75	1.25	1.25	1	2	1

OE (4) Biochemistry Syllabus for All Programs (Except Science)

Semester-IV

Course Code :		22OEBIC401
Course Title:		Biochemical Toxicology
Total Course credits (L:T:P) (3:0:0)		03
Total contact hours		42
Hours of teaching/week		03
Formative assessment marks		40
Semester End Assessment marks		60
Exam duration		2 ½ Hrs

COURSE OUTCOMES (COs):

CO1: Gain basic idea about biochemical basis various toxins, route of administration, their site of action, dose response, effects and its risk assessments.

CO2: Categorize the classes of toxicants with specific examples and explain the factors effecting toxic responses, absorption, metabolism and elimination of toxins.

CO3: Illustrate the methods of identifying the damages to the targets or organs and biochemical mechanism of toxicity.

COURSE ARTICULATION MATRIX: OE (4)- 22OEBIC401

PO CO	Program Outcomes											
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	2	1	1	1	1	2	2	1	1	1	1	1
CO2	2	1	1	1	1	2	2	1	1	1	1	1
CO3	2	1	1	1	1	2	2	1	1	1	1	1
Weighted average	2	1	1	1	1	2	2	1	1	1	1	1

OE (4) Biochemistry Syllabus for All Programs (Except Science)

Course Code :	22OEBIC402
Course Title:	Plant Biochemistry
Total Course credits (L:T:P) (3:0:0)	03
Total contact hours	42
Hours of teaching/week	03
Formative assessment marks	40
Semester End Assessment marks	60
Exam duration	2 ½ Hrs

COURSE OUTCOMES (COs):

CO1: Gain the knowledge of plant cell, Photosynthesis, transporters and important primary metabolites of plants.

CO2: Illustrate plant growth regulators, plant's responses to various biotic and abiotic stresses.

CO3: Ability to explain secondary metabolites of plants and their functional importance

COURSE ARTICULATION MATRIX: OE (4)- 22OEBIC402

PO CO	Program Outcomes											
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	2	1	1	1	1	2	2	1	1	1	-	1
CO2	2	1	1	1	1	2	2	1	1	1	-	1
CO3	2	1	1	1	1	2	2	1	1	1	2	1
Weighted average	2	1	1	1	1	2	2	1	1	1	2	1

DSC (5) Syllabus for B.Sc. Biochemistry (Basics and Honors)

Semester-V

Course Code :	232569	
Course Title:	DSC(5) Theory	DSC (5) Lab
	Biochemistry of Biomolecules And Nutrition	Qualitative analysis of Biomolecules and their nutritional aspects
Total Course credits (L:T:P) (4:0:2)	04	02
Total contact hours	60	60
Hours of teaching/week	04	04
Formative assessment marks	40	25
Semester End Assessment marks	60	25
Exam duration	2 ½ Hrs	3 Hrs

COURSE OUTCOMES (COs):

- **CO 1:** Develop the ability to classify, depict the structure and describe the chemical properties and functions of carbohydrates. Get acquainted with the basics of nutrition of carbohydrates.
- **CO 2:** Ability to classify amino acids and proteins based on various categories. Depict the structure of amino acids and describe the chemical properties of amino acids, peptides, proteins and sequencing methods of amino acids. Gain the knowledge of nutritional aspects of proteins.
- **CO 3 :** Explicate the different types of lipids and their biological role. Acquire the knowledge on composition, types and chemical properties of nucleic acids.
- **CO 4:** Interpret and apply the basic concepts of nutrition and describe the physiological functions of various macro and micronutrients. Acquire the knowledge on nutritional disorders, adulterants and their implications.

COURSE ARTICULATION MATRIX: 232569

PO CO	Program Outcomes											
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	3	1	2	2	1	1	1	1	1	1	1	1
CO2	3	2	2	2	2	1	1	1	1	1	1	1
CO3	3	2	2	2	2	1	1	1	1	1	1	2
CO4	3	2	2	2	1	1	1	1	1	1	2	3
Weighted average	3	1.75	2	2	1.5	1	1	1	1	1	2.5	1.75

DSC (6) Syllabus for B.Sc. Biochemistry (Basics and Honors)

Course Code :	232570	
Course Title:	DSC (6): Human Physiology and Enzymology	
	Theory	Practical
Total Course credits (L:T:P) (4:0:2)	04	02
Total contact hours	60	60
Hours of teaching/week	04	04
Formative assessment marks	40	25
Semester End Assessment marks	60	25
Exam duration	2 ½ Hrs	3 Hrs

COURSE OUTCOMES (COs):

- **CO 1:** Get acquainted with the anatomy, structure and physiological functions of nervous system, respiratory system, circulatory system, muscle tissue and their mechanisms.
- **CO 2:** Ability to describe the structure and physiological functions of bone, cartilage, excretory and hepatic system. Elucidate the role of digestive enzymes functions of various endocrine hormones, their mechanism and regulation in the body.
- **CO3:** Illustrate the general characteristics, nature of different types of enzymes and their mechanism of action. Develop competence in isolating various enzymes and calculate its activity and specific activity.
- **CO 4 :** Analyze the various parameters of enzyme kinetics, factors effecting its activity and get acquainted with the concept of enzyme inhibition. Develop skills to calculate the kinetic parameters of enzyme and represent it graphically.

COURSE ARTICULATION MATRIX: 232570

PO CO	Program Outcomes											
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO10	PO 11	PO 12
CO1	3	2	1	2	1	2	1	1	1	1	1	2
CO2	3	2	1	2	1	2	1	1	1	1	1	2
CO3	3	3	2	2	2	1	1	1	2	1	2	1
CO4	3	3	2	2	2	1	1	1	2	1	2	2
Weighted average	3	2.5	1.5	2	1.5	1.5	1	1	1.5	1	1.5	1.75

DSC (7) Syllabus for B.Sc. Biochemistry (Basics and Honors)

Semester-VI

Course Code :	232669	
Course Title:	DSC (7) Metabolism with Clinical Correlations	
	Theory	Practical
Total Course credits (L:T:P) (4:0:2)	04	02
Total contact hours	60	60
Hours of teaching/week	04	04
Formative assessment marks	40	25
Semester End Assessment marks	60	25
Exam duration	2 ½ Hrs	3Hrs

COURSE OUTCOMES (COs):

- **CO 1:** Get acquainted with the principle of thermodynamics. Depict the structure of mitochondria and comprehend the role of ETC complexes in respiratory chain. Able to describe chemiosmosis hypothesis of ATP synthesis.
- **CO 2:** Acquire the knowledge on compartmentalization of metabolic pathways. Elucidate various metabolic pathways of carbohydrate and harvest its energetics and regulatory steps. Interpret the disorders associated with errors in carbohydrate metabolism.
- **CO 3:** Schemate biosynthetic and oxidation pathways of lipid metabolism and calculate its energetics. Describe the action of nucleases and elucidate the catabolic and anabolic pathways of nucleic acids. Interpret the disorders associated with errors in lipids and nucleic acid metabolism.
- **CO 4:** Comprehend the general reactions of aminoacids and their significances. Schemate urea cycle, catabolic and anabolic pathways of aminoacids. Illustrate the inherited disorders associated with the error in the amino acid metabolism.

COURSE ARTICULATION MATRIX: 232669

PO CO	Program Outcomes											
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO10	PO 11	PO 12
CO1	3	2	1	2	1	2	1	1	2	1	1	2
CO2	3	2	1	2	1	1	1	1	2	1	1	2
CO3	3	2	1	2	1	1	1	1	2	1	1	2
CO4	3	2	1	2	1	1	1	1	2	1	1	2
Weighted average	3	2	1	2	1	1.25	1	1	2	1	1	2

DSC (8) Syllabus for B.Sc. Biochemistry (Basics and Honors)

Course Code :	232670	
Course Title:	DSC (8) Molecular Biology and Immunology	
	Theory	Practical
Total Course credits (L:T:P) (4:0:2)	04	02
Total contact hours	60	60
Hours of teaching/week	04	04
Formative assessment marks	40	25
Semester End Assessment marks	60	25
Exam duration	2 ½ Hrs	3 Hrs

COURSE OUTCOMES (COs):

- **CO1:** Able to justify the nucleic acids as genetic carriers and describe the central dogma of molecular biology. Explicate the mechanism of DNA replication, different types of mutations and illustrate the mutagenic effect of various mutagens.
- **CO2:** Illustrate the mechanisms spanning from transcription to translation. Apply the knowledge in analysing problems at their molecular level. Employ the molecular biology techniques to analyze the changes at gene level for the development of new therapies for problem solving.
- **CO3:** Acquire the knowledge on scope and various techniques of genetic engineering & apply the principle of various blotting techniques in separation of nucleic acids. Employ the techniques of genetic engineering in the production level benefiting various fields.
- **CO4:** Develops ability to describe the types of immunity with examples, characteristics, types of antigens and antibodies. Illustrate the role of immunologically important organs and cells, Acquire knowledge on concept of immunization and preparation of vaccines and develop competence in handling various immunological techniques. Gain ability to describe various immunological disorders.

COURSE ARTICULATION MATRIX: 232670

PO CO	Program Outcomes											
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO10	PO 11	PO 12
CO1	3	2	1	2	1	1	1	1	2	1	1	2
CO2	3	2	1	2	2	1	1	1	2	1	1	2
CO3	3	2	1	2	1	1	1	1	2	1	1	2
CO4	3	2	1	2	2	2	1	1	2	1	1	2
Weighted average	3	2	1	2	1.5	1.25	1	1	2	1	1	2

DEPARTMENT OF BIOTECHNOLOGY

DSC (1) Syllabus for B.Sc. Biotechnology (Basic and Honors)

Semester I

Course Code: 212159	Course Title: Cell Biology and Genetics (Theory) Cell Biology and Genetics (Practical)
Course Credits: 06 (4:0:2)	Hours of Teaching/Week: 8 hrs 04 (Theory) + 04 (Practical)
Total Contact Hours: 56 Hours (Theory) 56 Hours (Practical)	Formative Assessment Marks: 40 (Theory) 25 (Practical)
Exam Duration: 2.5 Hours (Theory) 3 Hours (Practical)	Semester End Examination Marks: 60 (Theory) 25 (Practical)

Course Outcomes:

CO1: Appreciate the concepts of Biotechnology and demonstrate knowledge acquired in Interdisciplinary skills in cell biology, genetics, biochemistry, microbiology, and molecularbiology.

CO2: Describe the ultra structure of cells, structure and function of organelles, cytosol and Cytoskeleton, phases of cell cycle, cell division, reductional division in gametes, molecular mechanisms that regulate life and death of a cell including programmed cell death or apoptosis and differentiation in plants.

CO3: Comprehend organization and structure of chromosomes, banding techniques and Mendelian laws of inheritance, deviations and exceptions to these laws, types of mutations, genetic or hereditary disorders and concepts in population genetics.

Course Articulation Matrix: 212159

Course Outcomes (COs) /Program Outcomes (POs)	Program Outcomes (POs)											
	1	2	3	4	5	6	7	8	9	10	11	12
CO1	3	-	-	1	3	2	-	-	-	2	-	2
CO2	3	-	1	1	3	2	-	2	-	2	-	2
CO3	3	2	1	3	3	2	2	2	-	2	-	2
Weighted Average	3	2	1	1.66	3	2	2	2	-	-	-	2

**OE (1) Biotechnology syllabus for All Programs (Except Science)
Semester 1**

Course code: 21OEBIT101	Course Title: Biotechnology for human welfare
Course Credits: 03 (3:0:0)	Hours of Teaching/Week: 3 hrs (Theory)
Total Contact Hours: 42 Hours (Theory)	Formative Assessment Marks: 40 (Theory)
Exam Duration: 2.5 Hours (Theory)	Semester End Examination Marks: 60 (Theory)

Course Outcomes:

After successful completion of this Course, students will be able to:

CO1: Comprehend the biotechnological applications in the industry, environmental management and forensic science.

CO2: Appreciate contributions of biotechnology to biomedical fields, such as diagnostics, genomics and therapeutics.

CO3: Describe the applications of Biotechnology in solving major environmental issues related to non- biodegradable materials and production of eco-friendly products as an alternative solution.

Course Articulation Matrix Course Code: 21OEBIT101

Course Outcomes (COs) /Program Outcomes (POs)	Program Outcomes (POs)											
	1	2	3	4	5	6	7	8	9	10	11	12
CO1	3	-	1	-	3	2	-	3	-	2	-	2
CO2	3	2	1	-	3	2	-	3	-	2	-	2
CO3	3	2	-	-	3	2	3	3	-	2	-	2
Weighted Average	3	2	1	-	3	2	3	3	-	2	-	2

DSC (2) Syllabus for B.Sc. Biotechnology (Basic and Honors)

Semester II

Course Code: 212259	Course Title: Microbiological Methods (Theory) Microbiological Methods (Practical)
Course Credits: 06 (4:0:2)	Hours of Teaching/Week: 8 hrs 04 (Theory) + 04 (Practical)
Total Contact Hours: 56 Hours (Theory) 56 Hours (Practical)	Formative Assessment Marks: 40 (Theory) 25 (Practical)
Exam Duration: 2.5 Hours (Theory) 3 Hours (Practical)	Semester End Examination Marks: 60 (Theory) 25 (Practical)

Course Outcomes:

Apply the principles of microscopy to study microorganisms

CO1: Comprehend the importance and different methods of sterilization to carry our aseptic work in microbiology.

CO2: Analyze the different types of media, culture methods and staining techniques for isolation, characterization of microbes.

CO3: Classify the types and applications of antimicrobial agents and how to perform anti-microbial assays.

Course Articulation Matrix: 212259

Course Outcomes (COs) / Program Outcomes (POs)	Program Outcomes (POs)											
	1	2	3	4	5	6	7	8	9	10	11	12
CO1	3	-	-	1	2	-	-	-	-	2	-	1
CO2	3	1	1	1	2	2	-	2	-	2	-	1
CO3	3	1	-	1	2	2	-	1	-	2	-	2
CO4	3	1	2	1	2	2	-	3	-	2	-	2
Weighted Average	3	1	1.5	1	2	3	-	2	-	2	-	1.5

OE (2) Biotechnology Syllabus for All Programs (Except Science)

Semester II

Course code: 21OEBIT201	Course Title: Applications of biotechnology in Agriculture
Course Credits: 03 (3:0:0)	Hours of Teaching/Week: 3 hrs 03 (Theory)
Total Contact Hours: 42 Hours (Theory)	Formative Assessment Marks: 40 (Theory)
Exam Duration: 2.5 Hours (Theory)	Semester End Examination Marks: 60 (Theory)

Course Outcomes:

After successful completion of this Course, students will be able to:

CO1: Appreciate the concepts and scope of plant tissue culture in entrepreneurship and setting up small scale bioenterprises.

CO2: Interpret the importance, safety and ethical issues associated with GM crops and applications and advantages of Biopesticides

CO3: Comprehend production of edible vaccines, Nutraceuticals, antisense technology and bio-ethical issues.

Course Articulation Matrix: 212260 Course code: 21OEBIT201

Course Outcomes (COs) / Program Outcomes (POs)	Program Outcomes (POs)											
	1	2	3	4	5	6	7	8	9	10	11	12
CO1	3	1	-	1	2	2	2	1	-	2	3	2
CO2	3	1	-	1	2	2	3	3	-	2	1	2
CO3	3	1	-	1	2	2	3	3	-	2	1	2
Weighted Average	3	1	-	1	2	2	3	2.6	-	2	1.6	2

DSC (3) Syllabus for B.Sc. Biotechnology (Basic and Honors)

Semester III

Course Code: 222359	Course Title: Biomolecules (Theory) Biomolecules (Practical)
Course Credits: 06 (4:0:2)	Hours of Teaching/Week: 8 hrs 04 (Theory) + 04 (Practical)
Total Contact Hours: 56 Hours (Theory) 56 Hours (Practical)	Formative Assessment Marks: 40 (Theory) 25 (Practical)
Exam Duration: 2.5 Hours (Theory) 3 Hours (Practical)	Semester End Examination Marks: 60 (Theory) 25 (Practical)

Course Outcomes:

CO1: Acquire knowledge about types of biomolecules, structure, and their functions.

CO2: Demonstrate the skills to perform bioanalytical techniques.

CO3: Apply comprehensive innovations and skills of biomolecules to biotechnology field.

Course Articulation Matrix: 222359

Course Outcomes (COs) / Program Outcomes (POs)	Program Outcomes (POs)											
	1	2	3	4	5	6	7	8	9	10	11	12
CO1	3	-	-	2	2	1	-	-	-	2	-	-
CO2	2	-	2	2	2	1	-	1	3	1	-	-
CO3	2	2	2	1	2	2	-	2	3	1	1	2
Weighted Average	2.3	2	2	1.6	2	1.3	-	1.5	3	1.3	1	2

OE (3) Biotechnology Syllabus for All Programs (Except Science)

Semester III

Course code: 22OEBIT301	Course Title: Nutrition and Health (Theory)
Course Credits: 03 (3:0:0)	Hours of Teaching/Week: 03 (Theory)
Total Contact Hours: 42 Hours (Theory)	Formative Assessment Marks: 40 (Theory)
Exam Duration: 2.5 Hours (Theory)	Semester End Examination Marks: 60 (Theory)

Course Outcomes:

At the end of the course the student should be able to:

CO1: Study the concepts of food, nutrition, diet and health.

CO2: To apply the best practices of food intake and dietary requirements.

CO3: Acquire knowledge about various sources of nutrients and good cooking practices.

Course Articulation Matrix Course Code: 22OEBIT301

Course Outcomes (COs) / Program Outcomes (POs)	Program Outcomes (POs)											
	1	2	3	4	5	6	7	8	9	10	11	12
CO1	3	2	-	-	2	2	-	-	-	-	-	1
CO2	-	2	2	-	-	2	-	-	-	-	2	2
CO3	3	-	-	-	2	2	-	-	-	2	2	2
Weighted Average	3	2	2	-	2	2	-	-	-	2	2	1.6

DSC (4) Syllabus for B.Sc. Biotechnology (Basic and Honors)

Semester IV

Course Code: 222459	Course Title: Molecular Biology (Theory) Molecular Biology (Practical)
Course Credits: 06 (4:0:2)	Hours of Teaching/Week: 8 hrs 04 (Theory) + 04 (Practical)
Total Contact Hours: 56 Hours (Theory) 56 Hours (Practical)	Formative Assessment Marks: 40 (Theory) 25 (Practical)
Exam Duration: 2.5 Hours (Theory) 3 Hours (Practical)	Semester End Examination Marks: 60 (Theory) 25 (Practical)

Course Outcomes:

At the end of the course the student should be able to:

CO1: Appreciate the advancements in molecular biology with latest trends.

CO2: Comprehend the structure, functional relationship of proteins and nucleic acids.

CO3: Describe the basic cellular processes such as transcription, translation, DNA replication and repair mechanisms.

Course Articulation Matrix: 222459

Course Outcomes (COs) / Program Outcomes (POs)	Program Outcomes (POs)											
	1	2	3	4	5	6	7	8	9	10	11	12
CO1	3	-	-	-	3	1	-	-	-	2	-	3
CO2	3	1	-	-	3	2	-	-	-	2	-	1
CO3	3	1	1	2	3	2	-	1	-	2	-	1
Weighted Average	3	2	1	2	3	1.6	-	1	-	2	-	1.6

OE (4) Biotechnology syllabus for All Programs (Except Science)

Semester IV

Course Code: 22OEBIT401	Course Title: Intellectual Property Rights
Course Credits: 03 (3:0:0)	Hours of Teaching/Week: 03 (Theory)
Total Contact Hours: 42 Hours (Theory)	Formative Assessment Marks: 40 (Theory)
Exam Duration: 2.5 Hours (Theory)	Semester End Examination Marks: 60 (Theory)

Course Outcomes:

At the end of the course the student should be able to:

CO1: Appreciate the need and scope of Intellectual property rights.

CO2: Acquire knowledge about filing patents, process, and infringement.

CO3: Describe about trademarks, industrial designs, and copyright.

Course Articulation Matrix Course Code: 22OEBIT401

Course Outcomes (COs) / Program Outcomes (POs)	Program Outcomes (POs)											
	1	2	3	4	5	6	7	8	9	10	11	12
CO1	3	-	-	2	2	3	1	3	-	2	1	1
CO2	3	1	1	2	2	3	2	3	-	2	1	1
CO3	3	1	-	2	2	3	-	3	-	2	2	1
Weighted Average	3	1	1	2	2	3	1.5	3	-	2	1.3	1

DSC (5) Syllabus for B.Sc. Biotechnology (Basic and Honors)

Semester V

Course Code: 232559	Course Title: Genetic Engineering (Theory) Genetic Engineering Lab (Practical)
Course Credits (L:T:P) : 06 (4:0:2)	Hours of Teaching/Week: 04 (Theory) - 04 (Practical)
Total Contact Hours: 60 Hours(Theory) 60 Hours (Practical)	Formative Assessment Marks: 40 (Theory) 25 (Practical)
Exam Duration: 2½ Hours(Theory) 3 Hours (Practical)	Semester End Examination Marks: 60 (Theory) 25 (Practical)

Course Outcomes (COs):

- CO 1:** Interpret and apply the basic concepts of nucleic acid isolation, quantification and gene expression analysis. Acquire the information about the process of cloning and different types of cloning vectors.
- CO 2:** Analyze the basic principles of genome editing and manipulation techniques of both prokaryotic and eukaryotic organisms. Get acquainted with the basic techniques of Genetic engineering.
- CO 3:** Describes the basic principles and applications of genetic engineering in various field.
- CO 4:** Interpret the concepts of industrial scale up and advances in genetic engineering. Debate on ethical implications associated with genetic engineering

Course Articulation Matrix – 232559

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	2	1	1	2	2	2	2	2	1	3	2	2
CO 2	2	1	2	2	2	2	2	1	1	3	1	2
CO 3	2	1	2	3	2	2	2	2	1	3	2	2
CO 4	2	-	2	2	-	2	2	3	-	2	1	2
Weighted Average	2	1	1.75	2.25	2	2	2	2	1	2.75	1.5	2

DSC (6) Syllabus for B.Sc. Biotechnology (Basic and Honors)

Course Code: 232560	Course Title: Plant and Animal Biotechnology (Theory) Plant and Animal Biotechnology (Practical)
Course Credits (L:T:P): 06 (4:0:2)	Hours of Teaching/Week: 04 (Theory) + 04(Practical)
Total Contact Hours: 60 Hours(Theory) 60 Hours(Practical)	Formative Assessment Marks: 40 (Theory) 25(Practical)
Exam Duration: 2½ Hours (Theory) 3 Hours (Practical)	Semester End Examination Marks: 60 (Theory) 25 (Practical)

Course Outcomes (COs):

- CO 1:** Exposure to the plant tissue culture skills and applications in Plant Biotechnology and research
- CO 2:** Acquire information about the concepts of cloning and transgenesis of both plants and animals with respect to the advancement in medical, agricultural and pharmaceutical industry.
- CO 3:** Develop the ability about animal cell potency, mass production of cell lines and basic characterization of mammalian cell culture.
- CO 4:** Elucidate and specify different types of gene transfer techniques, gene editing and basic concept about ethical issues.

Course Articulation Matrix – 232560

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	3	2	1	1	2	1	2	2	1	3	2	2
CO 2	2	2	2	1	3	2	3	1	2	3	1	2
CO 3	2	1	2	2	2	1	2	2	1	1	2	3
CO 4	2	2	2	2	3	1	1	3	2	2	2	2
Weighted Average	2.25	1.75	1.75	1.5	2.5	1.25	2	2	1.5	2.25	1.75	2.25

**Biotechnology Skills and Analytical Techniques
Semester V**

Course Code: 23EMPBIT01	Course Title: Biotechnology and Analytical techniques (Theory) Quality control methods in biology (Practical)
Course Credits (L:T:P): 03 (2:0:1)	Hours of Teaching/Week: 02 (Theory) 02(Practical)
Total Contact Hours: 30 Hours(Theory) 30 Hours(Practical)	Formative Assessment Marks: 20 (Theory) 25(Practical)
Exam Duration: 1½ Hours (Theory) 3 Hours (Practical)	Semester End Examination Marks: 30 (Theory) 25(Practical)

Course Outcomes (COs):

CO 1: To introduce the concept of executive industrial skills and Digital skills

CO 2: Familiarize the working principle of several bioanalytical techniques like microscopy, centrifugation, spectroscopy and electrophoretic and other technique.

Course Articulation Matrix -23EMPBIT01

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	2	1	1	2	3	-	2	1	2	3	2	3
CO 2	3	2	2	2	3	1	2	-	2	3	2	2
Weighted Average	2.5	1.5	1.5	2	3	1	2	1	2	3	2	2.5

DSC (7) Syllabus for B.Sc. Biotechnology (Basic and Honors)

VI SEMSTER

Course Code: 232659	Course Title: Immunology (Theory) Immunology (Practical)
Course Credits (L:T:P) :06 (4:0:2)	Hours of Teaching/Week: 04 (Theory) + 04 (Practical)
Total Contact Hours: 60 Hours (Theory) 60 Hours (Practical)	Formative Assessment Marks: 40 (Theory) 25 (Practical)
Exam Duration: 2½ Hours (Theory) 3 Hours (Practical)	Semester End Examination Marks: 60 (Theory) 25 (Practical)

Course Outcomes (COs):

CO 1: Overview of various aspects about cells and organs of immune system.

CO 2: Strengthen the concept of antigen-antibody interaction, MHC, Hypersensitivity and complementation pathways.

CO 3: Technical skills with respect to immunology and vaccine development

CO 4: Application and interpretation of immunological techniques for treating autoimmune diseases, immuno-deficiencies and cancer immunotherapy

Course Articulation Matrix – 232659

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	2	1	1	2	3	2	1	1	1	3	1	3
CO 2	2	-	2	2	2	2	1	1	2	2	1	2
CO 3	2	2	1	2	3	2	2	1	1	3	2	1
CO 4	2	1	3	3	2	2	-	2	1	3	1	3
Weighted Average	2	1.3	1.75	2.2	2.5	2	1.3	1.2	1.2	2.7	1.2	2.2
				5				5	5	5	5	5

DSC (8) Syllabus for B.Sc. Biotechnology (Basic and Honors)

Course Code: 232660	Course Title: Bioprocess and Environmental Biotechnology (Theory) Bioprocess and Environmental Biotechnology (Practical)
Course Credits (L:T:P) : 06 (4:0:2)	Hours of Teaching/Week: 04 (Theory) + 04 (Practical)
Total Contact Hours: 60 Hours (Theory) 60 Hours (Practical)	Formative Assessment Marks: 40 (Theory) 25 (Practical)
Exam Duration: 2½ Hours (Theory) 3 Hours (Practical)	Semester End Examination Marks: 60 (Theory) 25 (Practical)

Course Outcomes (COs):

CO1: The skills of exploitation of microorganisms for bioprocess technology, principle of upstream processing and concept of fermentation techniques.

CO2: The basic concept introduces significance of bioreactors, certain analytical techniques in downstream processing and its biological applications.

CO3: The concept introduces evaluations of environmental biotechnology in regards with major issues in environmental pollution, detection and abandonment.

CO4: Illustration and importance of bioremediation and various biological approach for waste water management.

Course Articulation Matrix – 232660

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	2	1	1	3	2	2	3	1	1	2	1	3
CO 2	2	2	1	3	2	1	3	1	1	2	1	2
CO 3	2	2	2	2	2	2	3	2	1	2	1	2
CO 4	1	3	1	2	3	2	3	1	1	2	2	2
Weighted Average	1.75	2	1.25	2.5	2.25	1.75	3	1.25	1	2	1.25	2.25

DEPARTMENT OF COMPUTER SCIENCE

DSC(1) Syllabus for B.Sc. Computer Science (Basic and Honors)

Course Code: 212149

Course Title:

DSC(1) - Computer Fundamentals and Programming in C
(Theory)

DSC(1) Lab - C Programming Lab (Practical)

Course Credits (L:T:P): 06 (4:0:2)

Hours of Teaching/Week: 04 (Theory) + 04 (Practical)

Total Contact Hours: 56 Hours (Theory)
56 Hours (Practical)

Formative Assessment Marks: 40 (Theory)
25 (Practical)

Exam Duration: 2¹/₂ Hours (Theory)
3 Hours (Practical)

Semester End Examination Marks: 60 (Theory)
25 (Practical)

Course Outcomes (COs):

CO 1: Acquire knowledge on computers and exhibit the potential of designing an algorithmic solution to a problem.

CO 2: Design and develop C programs using various Datatypes, Input Output Statements, Operators and Expressions.

CO 3: Contrivance C programs using Control Structures, 1D Array, 2D Array and String Functions.

CO 4: Develop and implement C Programs using concepts like Pointers, User Defined Functions, Recursion and User Defined Datatypes.

Course Articulation Matrix - 212149

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	2	2	2	-	1	1	1	1	1	1	1	2
CO 2	2	2	2	-	2	-	-	-	2	2	-	2
CO 3	2	2	1	1	2	1	-	1	2	2	-	2
CO 4	2	2	1	-	2	1	-	1	1	1	-	2
Weighted Average	2	2	1.5	1	1.75	1	1	1	1.5	1.5	1	2

OE(1) Computer Science Syllabus for All Programs (Except Science)

Semester I

Course Code: 21OECMS101

Course Title: OE(1) - Office Automation

Course Credits (L:T:P): 03 (3:0:0)

Hours of Teaching/Week: 3 Hours (Theory)

Total Contact Hours: 42 Hours (Theory)

Formative Assessment Marks: 40

Exam Duration: $2\frac{1}{2}$ Hours

Semester End Examination Marks: 60

Course Outcomes (COs):

CO 1: Acquire knowledge on computers & office automation tools and exhibit the potential to use a word processor for creating various types of documents.

CO 2: Analyze and use spreadsheets for performing computational tasks.

CO 3: Customize and create a presentation on a desired topic.

Course Articulation Matrix – 21OECMS101

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	1	2	2	-	3	-	-	1	1	1	-	2
CO 2	2	2	1	-	3	-	-	-	1	1	1	2
CO 3	3	2	3	-	3	2	1	2	1	2	1	2
Weighted Average	2	2	2	-	3	2	1	1.5	1	1.33	1	2

Course Code: 21OECMS102

Course Title: OE(1) - C Programming Concepts

Course Credits (L:T:P): 03 (3:0:0)

Hours of Teaching/Week: 3 Hours (Theory)

Total Contact Hours: 42 Hours (Theory)

Formative Assessment Marks: 40

Exam Duration: 2 $\frac{1}{2}$ Hours

Semester End Examination Marks: 60

Course Outcomes (COs):

CO 1: Acquire knowledge on computers and elementary concepts of C programming.

CO 2: Develop C programs with input output statements, operators, expressions and control structure.

CO 3: Implement simple C programs with array, strings and pointers.

Course Articulation Matrix – 21OECMS102

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	2	1	-	-	1	1	1	1	-	1	1	2
CO 2	2	2	1	-	1	-	-	-	-	-	-	2
CO 3	1	2	1	-	1	-	-	-	1	-	-	2
Weighted Average	1.66	1.66	1	-	1	1	1	1	1	1	1	2

Semester II

Course Code: 212149

Course Title:

DSC(2) – Data Structure using C (Theory)

DSC(2) Lab – Data Structure Lab (Practical)

Course Credits (L:T:P): 06 (4:0:2)

Hours of Teaching/Week: 04 (Theory) + 04 (Practical)

Total Contact Hours: 56 Hours (Theory)
56 Hours (Practical)

Formative Assessment Marks: 40 (Theory)
25 (Practical)

Exam Duration: 2¹ Hours (Theory)
2
3 Hours (Practical)

Semester End Examination Marks: 60 (Theory)
25 (Practical)

Course Outcomes (COs):

CO 1: Relate Data Structures with real life scenarios, design algorithms using array data structure and identify & implement effective searching-sorting algorithm for various applications.

CO 2: Analyze and apply the concept of stack and queues while solving real-time problems.

CO 3: Acquire knowledge on memory allocation & de-allocation methods and apply knowledge of linked list on various applications.

CO 4: Analyze and implement the concept of Binary Trees in real-world scenarios.

Course Articulation Matrix – 212249

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	2	2	1	-	2	1	-	-	2	2	-	2
CO 2	3	3	2	-	2	2	-	1	2	2	-	1
CO 3	2	2	1	-	2	1	-	-	1	2	-	1
CO 4	1	3	2	1	2	2	1	1	2	2	1	2
Weighted Average	2	2.5	1.5	1	2	1.5	1	1	1.75	2	1	1.5

OE (2) Computer Science Syllabus for All Programs (Except Science)

Semester II

Course Code: 21OECMS201	Course Title: OE (2) – Web Designing
Course Credits (L:T:P): 03 (3:0:0)	Hours of Teaching/Week: 3 Hours (Theory)
Total Contact Hours: 42 Hours (Theory)	Formative Assessment Marks: 40
Exam Duration: 2 ¹ / ₂ Hours	Semester End Examination Marks: 60

Course Outcomes (COs):

CO 1: Acquire basic knowledge on internet, XHTML Programming and CSS.

CO 2: Analyze a web page, identify its elements & attributes and Apply the knowledge gained on JavaScript.

CO 3: Create webpages using CSS and java script (client-side programming).

Course Articulation Matrix – 21OECMS201

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	2	1	1	-	1	1	1	1	1	1	-	2
CO 2	2	1	1	-	1	-	-	-	1	1	-	2
CO 3	1	1	1	-	1	-	-	-	1	1	-	2
Weighted Average	1.66	1	1	-	1	1	1	1	1	1	-	2

Course Code: 21OECMS202**Course Title:** OE(2) – E-Commerce**Course Credits (L:T:P):** 03 (3:0:0)**Hours of Teaching/Week:** 3 Hours (Theory)**Total Contact Hours:** 42 Hours (Theory)**Formative Assessment Marks:** 40**Exam Duration:** 2¹/₂ Hours**Semester End Examination Marks:** 60**Course Outcomes (COs):****CO 1:** Acquire knowledge on e-commerce and its various modes.**CO 2:** Classify and analyze real-time problems based on various types of e-commerce.**CO 3:** Interpret the knowledge on e-commerce infrastructure and impact of internet & technology on e-commerce, e-business and e-payments.**Course Articulation Matrix – 21OECMS202**

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	2	1	-	-	1	2	-	2	1	1	1	2
CO 2	2	1	1	-	-	2	-	2	1	2	1	2
CO 3	1	1	-	-	1	1	1	2	-	1	-	2
Weighted Average	1.66	1	1	-	1	1.66	1	2	1	1.33	1	2

SKILL ENHANCEMENT COURSE (SEC) for All Programs

NOTE: This Course will be handled by the Department of Computer Science for BBA, BCom., BSc. (All Combinations) and BA (All Combinations).

Course Code: 21DFLF94

Course Title: SEC (1) - Digital Fluency

Course Credits (L:T:P): 02 (1:0:1)

Hours of Teaching/Week: 1 Hour (Theory)
2 Hours (Practical)

Total Contact Hours: 14 Hours (Theory)
28 Hours (Practical)

Formative Assessment Marks: 25

Exam Duration: 1 Hour (Theory)

Semester End Examination Marks: 25

Course Outcomes (COs):

CO 1: Acquire knowledge on key concepts of Artificial Intelligence (AI), Big Data Analytics (BDA), Internet of Things (IoT), Cloud Computing and Cyber Security.

CO 2: Identify the applications of Artificial Intelligence (AI), Big Data Analytics (BDA), Internet of Things (IoT), Cloud Computing and Cyber Security.

CO 3: Develop holistically by learning essential skills such as Effective Communication, Creative Problem Solving, Innovative/Critical Design Thinking and Teamwork.

Course Articulation Matrix – 21DFLF94

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	1	1	-	-	2	1	1	1	1	-	-	2
CO 2	1	1	-	-	2	2	2	1	1	1	-	2
CO 3	3	3	2	1	1	3	1	3	3	3	1	2
Weighted Average	1.66	1.66	2	1	1.66	2	1.33	1.66	1.66	1.33	1	2

Course Code: 222349

Course Title:

DSC(3) - Object Oriented Programming in Java (Theory)

DSC(3) Lab - Java Programming Lab (Practical)

Course Credits (L:T:P): 06 (4:0:2)

Hours of Teaching/Week: 04 (Theory) + 04 (Practical)

Total Contact Hours: 56 Hours (Theory)
56 Hours (Practical)

Formative Assessment Marks: 40 (Theory)
25 (Practical)

Exam Duration: 2¹/₂ Hours (Theory)
3 Hours (Practical)

Semester End Examination Marks: 60 (Theory)
25 (Practical)

Course Outcomes (COs):

CO1: Apply knowledge of object-oriented programming concepts like class, objects, methods, constructors and the relationship among them required for solving a specific problem using Java.

CO2: Design and develop efficient java applications using inheritance, dynamic binding, polymorphism (method overloading and overriding) and packages.

CO3: Design and develop GUI applications and handle events using java.

CO4: Apply knowledge gained on I/O streams, implement the concept of multithreading and handle exceptions in an effective manner.

Course Articulation Matrix – 222349

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	2	2	1	-	3	-	-	-	1	1	-	1
CO 2	1	2	2	-	3	1	1	1	1	1	-	2
CO 3	2	3	2	1	3	-	-	1	2	2	1	2
CO 4	1	2	2	-	3	-	-	-	1	-	-	2
Weighted Average	1.5	2.25	1.75	1	3	1	1	1	1.25	1	1	1.75

OE (3) Computer Science Syllabus for All Programs (Except Science)

Semester III

Course Code: 22OECMS301

Course Title: OE(3) - Python Programming Concept

Course Credits (L:T:P): 03 (3:0:0)

Hours of Teaching/Week: 03 Hour (Theory)

Total Contact Hours: 42 Hours (Theory)

Formative Assessment Marks: 40

Exam Duration: 2¹/₂ Hours

Semester End Examination Marks: 60

Course Outcomes (COs):

CO 1: Acquire basic knowledge on computers and python programming.

CO 2: Develop python programs with input output statements, various datatypes and control structure.

CO 3: Implement simple python programs with function and strings.

Course Articulation Matrix – 22OECMS301

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	2	2	1	-	2	1	1	1	1	1	1	2
CO 2	2	1	2	-	1	-	-	-	1	-	-	2
CO 3	1	1	2	-	1	-	-	-	1	-	-	2
Weighted Average	1.66	1.33	1.66	-	1.33	1	1	1	1	1	1	2

Course Code: 222449

Course Title:

DSC(4) - Database Management System (Theory)

DSC(4) Lab - DBMS Lab (Practical)

Course Credits (L:T:P): 06 (4:0:2)

Hours of Teaching/Week: 04 (Theory) + 04 (Practical)

Total Contact Hours: 56 Hours (Theory)
56 Hours (Practical)

Formative Assessment Marks: 40 (Theory)
25 (Practical)

Exam Duration: 2¹/₂ Hours (Theory)
3 Hours (Practical)

Semester End Examination Marks: 60 (Theory)
25 (Practical)

Course Outcomes (COs):

CO1: Acquire knowledge on database, E-R diagram & its components. Identify entities & relationships and develop an E-R diagram for a given real-world problem.

CO2: Implement simple queries using relational data model and relational algebra.

CO3: Optimize solutions using the concept of Functional Dependencies & Normalization and acquire knowledge on how to effectively organize and store data.

CO4: Formulate queries in SQL for database manipulation and Signify the importance of transaction processing & concurrency control techniques.

Course Articulation Matrix – 222449

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	3	3	2	1	1	1	1	1	1	1	1	2
CO 2	2	2	2	-	3	1	-	1	1	1	-	2
CO 3	2	2	1	-	1	1	-	-	2	1	-	2
CO 4	2	2	2	-	1	1	-	1	1	1	-	2
Weighted Average	2.25	2.25	1.75	1	1.5	1	1	1	1.25	1	1	2

OE (4) Computer Science Syllabus for All Programs (Except Science)

Semester IV

Course Code: 22OECMS401

Course Title: OE(4) - Fundamentals of Multimedia

Course Credits (L:T:P): 03 (3:0:0)

Hours of Teaching/Week: 03 Hours (Theory)

Total Contact Hours: 42 Hours (Theory)

Formative Assessment Marks: 40

Exam Duration: 2¹/₂ Hours

Semester End Examination Marks: 60

Course Outcomes (COs):

CO 1: Acquire knowledge on multimedia and related terminologies.

CO 2: Acquaint with various input output technologies used and technological issues faced in multimedia.

CO 3: Interpret and apply the concept of security systems in multimedia.

Course Articulation Matrix – 22OECMS401

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	2	1	1	-	1	1	1	1	1	1	-	2
CO 2	1	1	1	-	1	-	-	-	1	1	-	2
CO 3	1	2	1	-	1	1	1	3	1	1	1	2
Weighted Average	1.33	1.33	1	-	1	1	1	2	1	1	1	2

SKILL ENHANCEMENT COURSE (SEC) for All Programs

NOTE: This Course will be handled by the Department of Computer Science for BBA, BCom., BSc. (All Combinations) and BA (All Combinations).

Course Code: 22AINS94

Course Title: SEC(2) - Artificial Intelligence

Course Credits (L:T:P): 02 (1:0:1)

Hours of Teaching/Week: 1 Hour (Theory)
2 Hours (Practical)

Total Contact Hours: 13 Hours (Theory)
26 Hours (Practical)

Formative Assessment Marks: 20

Exam Duration: 1 Hour (Theory)

Semester End Examination Marks: 30

Course Outcomes (COs):

CO 1: Analyze and apply knowledge gained on Azure AI, Azure ML, computer vision in Azure and natural language processing.

CO 2: Analyze and apply knowledge gained on Power BI data analytics.

Course Articulation Matrix – 22AINS94

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	1	1	-	-	1	2	1	1	-	-	1	2
CO 2	2	1	1	-	3	2	2	1	1	2	1	2
Weighted Average	1.5	1	1	-	2	2	1.5	1	1	2	1	2

DSC (5) Syllabus for B.Sc. Computer Science

Semester V

Course Code: 232549

Course Title:

DSC (5) - Programming in Python (Theory)

**DSC (5) Lab - Python Programming
Lab(Practical)**

Course Credits (L:T:P): 06
(4:0:2)

Hours of Teaching/Week: 04 (Theory)
04 (Practical)

Total Contact Hours:
56 Hours (Theory)
56 Hours (Practical)

Formative Assessment Marks: 40 (Theory)
25 (Practical)

Exam Duration:
2 $\frac{1}{2}$ Hours
(Theory)
3 Hours (Practical)

Semester End Examination Marks:
60 (Theory)
25 (Practical)

Course Outcomes (COs):

CO1: Procure Knowledge on Basic Python Programming Concepts and Control Flow.

CO2: Design Solutions for Real-time Applications using the concept of Basic & Advanced Data Types in Python.

CO3: Develop Efficient Python Applications using Functions, OOP Concepts, File & Exception Handling.

CO4: Apply Knowledge Gained on Various Python Libraries for GUI, Data Analysis and Data Visualization.

Course Articulation Matrix - 232549

CO/ PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	2	3	3	1	2	-	-	1	1	1	-	1
CO2	1	2	2	1	2	-	-	-	-	-	-	3
CO3	1	2	2	-	2	-	-	-	-	-	1	3
CO4	1	2	1	-	3	1	1	1	1	2	1	3
Wtd. Avg.	1.25	2.25	2	1	2.25	1	1	1	1	1.5	1	2.5

DSC (6) Syllabus for B.Sc. Computer Science

Semester V

Course Code: 232550

Course Title:

DSC(6) - Computer Networks (Theory)

DSC(6) Lab - Computer Networks Lab (Practical)

Course Credits (L:T:P): 06 (4:0:2)

Hours of Teaching/Week: 04 (Theory)

04 (Practical)

Total Contact Hours:

56 Hours (Theory)

56 Hours (Practical)

Formative Assessment Marks: 40 (Theory)

25 (Practical)

Exam Duration: $\frac{1}{2}$ Hours (Theory)

$\frac{1}{5}$ Hours

Semester End Examination Marks:

60 (Theory)

25 (Practical)

(Practical)

Course Outcomes (COs):

CO1: Build an Understanding of the Fundamental Concepts of Computer Networking, identify various Network Topologies and Enumerate the Layers of the OSI Reference Model and TCP/IP.

CO2: Familiarize with the use of Physical Layer of a Network Model and Transmission Media & related Terminologies.

CO3: Apply Knowledge Gained on Framing, Error Detection & Correction Techniques, Channelization, Access Mechanism, Data Link Control & Protocol and Wired & Wireless LAN.

CO4: Identify & Interpret the functions of a Transport & Application Layer & Protocols.

Course Articulation Matrix - 232550

CO/ PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	2	2	2	1	2	1	1	1	1	1	1	2
CO2	3	2	2	-	1	-	-	-	-	1	-	2
CO3	3	2	2	-	1	-	-	-	-	1	-	2
CO4	2	2	2	-	2	1	-	1	1	1	1	2
Wtd. Avg.	2.5	2	2	1	1.5	1	1	1	1	1	1	2

DSC (7) Syllabus for B.Sc. Computer Science

Semester V

Course Code: 232649

Course Title:

DSC(7) - Web Technologies (Theory)

DSC(7) Lab - Web Technologies Lab

(JavaScript, HTML, CSS Lab) (Practical)

Course Credits (L:T:P): 06 (4:0:2)

Hours of Teaching/Week: 04 (Theory)

04 (Practical)

Total Contact Hours:

56 Hours (Theory)

56 Hours (Practical)

Formative Assessment Marks: 40 (Theory)

25 (Practical)

Exam Duration: $\frac{1}{2}$ Hours (Theory)
3 Hours (Practical)

Semester End Examination Marks:

60 (Theory)

25 (Practical)

Course Outcomes (COs):

CO1: Acquire knowledge on Internet, WWW & Web Design.

CO2: Design & Develop Applications using HTML, CSS & JavaScript.

CO3: Implement Servlets & Database Connectivity in Web Application Development.

CO4: Optimize Web Application Development with the Knowledge Gained on Web Security.

Course Articulation Matrix - 232649

CO/ PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	2	2	2	-	3	1	-	1	2	1	-	2
CO2	2	2	2	1	2	-	-	1	2	1	1	2
CO3	1	1	2	-	2	-	-	1	2	1	1	2
CO4	1	2	2	-	2	1	1	3	2	1	1	2
Wtd. Avg.	1.5	1.75	2	1	2.25	1	1	1.5	2	1	1	2

DSC (8) Syllabus for B.Sc. Computer Science

Semester V

Course Code: 232650

Course Title:

DSC(8) - Statistical Computing & R Programming (Theory)

DSC(8) Lab - R Programming Lab (Practical)

Course Credits (L:T:P): 06 (4:0:2)

Hours of Teaching/Week: 04 (Theory)
04 (Practical)

Total Contact Hours:

56 Hours (Theory)

56 Hours (Practical)

Formative Assessment Marks: 40 (Theory)

25 (Practical)

Exam Duration: $2\frac{1}{2}$ Hours (Theory)
3 Hours (Practical)

Semester End Examination Marks:

60 (Theory)

25 (Practical)

Course Outcomes (COs):

CO 1: Design and Develop R Programs using R Constructs.

CO2: Acquire Knowledge on Basics of Statistics, Common Probability Distributions and Data Visualization.

CO 3: Conduct and Interpret Hypothesis Tests on various Data Sets to Aid Decision Making.

CO 4: Implement Simple & Multiple Linear Regression on Data for Procuring Predictive Data and Exert Advanced Graphics on Charts.

Course Articulation Matrix - 232650

CO/ PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	2	2	3	1	2	-	-	-	2	-	-	2
CO2	1	2	2	-	1	-	-	-	1	1	-	3
CO3	2	2	2	-	2	1	1	1	1	1	-	3
CO4	1	2	2	-	2	1	1	-	1	1	1	3
Wtd. Avg.	1.5	2	2.25	1	1.75	1	1	1	1.25	1	1	2.75

SKILL ENHANCEMENT COURSE (SEC)

Course Code: 23CYST94

Course Title: SEC(4) – Cyber Security

Course Credits (L:T:P): 03 (3:0:0)

Hours of Teaching/Week: 3 Hours

Total Contact Hours: 42 Hours

Formative Assessment Marks: 40

Exam Duration: $2\frac{1}{2}$ Hours

Semester End Examination Marks: 60

Course Outcomes (COs):

CO1: Gain Knowledge on Basics of Cyber Security and its Challenges.

CO2: Comprehend the Knowledge gained on Cyber Crimes & Cyber Laws in India.

CO3: Analyze and apply knowledge gained on Cyber Security & Laws on Social Media Platforms.

Course Articulation Matrix - 23CYST94

CO/ PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	2	1	1	-	1	1	-	1	1	1	-	2
CO2	1	2	2	1	1	2	1	2	2	1	1	2
CO3	2	2	2	1	2	3	1	3	2	2	1	2
Wtd. Avg.	1.67	1.67	1.67	1	1.33	2	1	2	1.67	1.33	1	2

SKILL ENHANCEMENT COURSE (SEC)

Course Code: 23EMPCMS01 **Course Title:** SEC(5) – Employability Skills

Course Credits (L:T:P): 03 (3:0:0) **Hours of Teaching/Week:** 3 Hours

Total Contact Hours: 42 Hours **Formative Assessment Marks:** 40

Exam Duration: $2\frac{1}{2}$ Hours **Semester End Examination Marks:** 60

Course Outcomes (COs):

- CO1:** Acquire & Interpret Communication and Behavioral Skills required for Employability.
- CO2:** Procure Critical Skills and IT Literacy required to increase Productivity & Efficiency at Workplace.
- CO3:** Accomplish Skills required to become an Entrepreneur, get Insight on Occupational Health, Safety, Law & Environmental Education.

Course Articulation Matrix – 23INTCMS01

CO/ PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	1	2	2	-	2	3	3	2	2	3	-	3
CO2	2	2	2	-	3	3	3	2	3	1	3	3
CO3	1	2	2	1	1	3	3	3	3	1	3	3
Wtd. Avg.	1.33	2	2	1	2	3	3	2.33	2.67	1.67	3	3

DEPARTMENT OF MATHEMATICS

DSC (1) Syllabus for B.Sc. Mathematics (Basic and Honors)

Semester I

Course Code: 212139	Course Title: DSC(1) : Algebra - I & Calculus - I DSC(1) Lab :Theory based Practical's on Algebra - I and Calculus – I
Course Credits: 06 (4:0:2)	Hours of Teaching/Week: 04 (Theory) + 04 (Practical)
Total Contact Hours: 56 Hours (Theory) 56 Hours (Practical)	Formative Assessment Marks: 40 (Theory) 25 (Practical)
Exam Duration: 2 ½ Hours (Theory) 3 Hours (Practical)	Semester End Examination Marks: 60 (Theory) 25 (Practical)

Course Outcomes (COs):

CO1: Design solutions and implement the elementary operation for matrices and system of linear equations.

CO2: Examine and develop solution for polynomial equations using various methods.

CO 3: Evaluation of Polar co-ordinates applying methods of differential calculus.

CO4: Implementation of various technique of integration and differentiation for functions with real variables and to evaluate Reduction formulae.

Course Articulation Matrix - 212139

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	3	3	2	1	2	2	1	-	1	1	-	1
CO 2	3	3	2	1	1	1	-	1	-	1	-	1
CO 3	2	2	-	1	3	2	1	1	1	1	1	1
CO 4	3	3	2	2	2	3	1	1	2	2	2	2
Weighted Average	2.75	2.75	2	1.25	2	2	1	1	1.33	1.25	1.5	1.25

OE (1) Mathematics Syllabus for All Programs (Except Science)

Semester I

Course Code: 21OEMAT103

Course Title:

OE(1) Mathematical Aptitude - I

Course Credits: 03 (3:0:0)

Hours of Teaching/Week: 03 Hour (Theory)

Total Contact Hours: 42 Hours (Theory)

Formative Assessment Marks: 40

Exam Duration: 2 ½ Hours

Semester End Examination Marks: 60

Course Outcomes (COs):

CO 1: Evaluate problems on Number system, Series, divisibility, LCM, HCF, Fraction.

CO 2: Strategies to solve problems on Trains, Boats and Streams with Speed and Accuracy.

CO 3: Analyze and Evaluate problems on Time, Work and Wages, Pipes and Cistern, Problems on Clock and Calendar.

Course Articulation Matrix – 21OEMAT103

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	2	3	1	2	1	3	1	1	-	-	1	3
CO 2	2	3	1	2	1	3	1	1	1	1	1	3
CO 3	2	3	1	2	1	3	1	1	1	1	1	3
Weighted Average	2	3	1	2	1	3	1	1	1	1	1	3

DSC (2) Syllabus for B.Sc. Mathematics (Basic and Honors)

Semester II

Course Code: 212239	Course Title: DSC(2): Algebra – II (Number Theory) and Calculus - II DSC(2) Lab : Theory based Practical's on Algebra – II (Number Theory) and Calculus – II
Course Credits: 06 (4:0:2)	Hours of Teaching/Week: 04 (Theory) + 04 (Practical)
Total Contact Hours: 56 Hours (Theory) 56Hours (Practical)	Formative Assessment Marks: 40 (Theory) 25 (Practical)
Exam Duration: 2 ½ Hours (Theory) 3 Hours (Practical)	Semester End Examination Marks: 60 (Theory) 25 (Practical)

Course Outcomes (COs):

CO1: Acquiring the basic knowledge of divisibility, congruency, GCD, Prime and prime factorization, applying the concept of Euler function, Fermat's and Wilson's Theorem, Evaluating the product of r consecutive integers is divisible.

CO2: Applying the skills of fundamental theorems in solving problems.

CO3: Construct extreme values of function of the variables using partial derivatives and total derivatives.

CO4: Classification of line and multiple integrals in solving problems. Evaluation of surface Area and Volume of conic sections using multiple integral

Course Articulation Matrix - 212239

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	3	2	1	1	1	1	-	1	-	1	-	1
CO 2	3	3	1	1	1	2	1	1	-	1	1	2
CO 3	3	3	1	2	1	-	-	1	1	1	-	1
CO 4	3	3	2	1	2	1	1	1	1	1	1	2
Weighted Average	3	2.75	1.25	1.25	1.25	1.33	1	1	1	1	1	1.5

OE (2) Mathematics Syllabus for All Programs (Except Science)

Semester II

Course Code: 21OEMAT203	Course Title: OE(2) Mathematical Aptitude - II
Course Credits: 03 (3:0:0)	Hours of Teaching/Week: 03 Hour (Theory)
Total Contact Hours: 42 Hours (Theory)	Formative Assessment Marks: 40
Exam Duration: 2 ½ Hours	Semester End Examination Marks: 60

Course Outcomes (COs):

- CO 1:** Evaluate percentage, Average, Ratio & proportion, partnership, Mixture and Problems based on Ages.
- CO 2:** Imbibe the concept of profit, loss, discount, simple & compound interest, Shares and debentures in Everyday life.
- CO 3:** Execute various ways of particular assignments by the help of permutation and combination, probability, True and Banker's Discount.

Course Articulation Matrix – 21OEMAT203

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	3	3	1	-	-	3	1	2	1	1	1	2
CO 2	3	3	1	-	-	3	1	2	1	1	1	2
CO 3	3	3	1	1	1	3	1	1	1	1	1	1
Weighted Average	3	3	1	1	1	3	1	1.67	1	1	1	1.67

DSC (3) Mathematics Syllabus for B.Sc. Mathematics (Basic and Honors)

Semester III

Course Code: 222339	Course Title: DSC (3): Algebra–III and Differential Equations – I DSC (3) Lab: Theory based Practical's on Algebra–III and Differential Equations – I
Course Credits: 06 (4:0:2)	Hours of Teaching/Week: 04 (Theory) + 04 (Practical)
Total Contact Hours: 56 Hours (Theory) 56 Hours (Practical)	Formative Assessment Marks: 40 (Theory) 25 (Practical)
Exam Duration: 2 ½ Hours (Theory) 3 Hours (Practical)	Semester End Examination Marks: 60 (Theory) 25 (Practical)

Course Outcomes (COs):

CO1: Acquiring the knowledge and structure of group, subgroup, cyclic group and group of permutation.

CO2: Analyzing and applying the concepts of normal subgroup, quotient group, homomorphism and isomorphism for groups.

CO3: Identifying and evaluating differential equations using different techniques.

CO4: Applying various methods to solve first order and higher degree differential equations. Designing solutions for ordinary differential equations and simultaneous equations with constant coefficients by constructing complementary function and particular integral.

Course Articulation Matrix - 222339

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	3	1	-	-	1	1	1	1	2	1	1	2
CO 2	3	2	1	-	1	1	1	1	2	1	1	2
CO 3	3	3	1	1	2	2	1	1	1	1	1	2
CO 4	3	3	1	1	2	2	1	1	1	1	1	2
Weighted Average	3	2.25	1	1	1.5	1.5	1	1	1.5	1	1	2

OE (3) Mathematics Syllabus for All Programs (Except Science)

Semester III

Course Code: 22OEMAT302	Course Title: OE (3) Mathematical Aptitude - III
Course Credits: 03 (3:0:0)	Hours of Teaching/Week: 03 Hour (Theory)
Total Contact Hours:42 Hours (Theory)	Formative Assessment Marks: 40
Exam Duration: 2 ½ Hours	Semester End Examination Marks: 60

Course Outcomes (COs):

CO 1: Examine and Develop solution for polynomial equations, linear equation and problems based on Ages.

CO 2: Evaluate the problems on Area, Volume and Surface area for some conic sections.

CO 3: Analysis of Direction test, Relation test and seating puzzles using various techniques.

Course Articulation Matrix - 22OEMAT302

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	2	3	1	2	1	1	1	1	1	1	1	2
CO 2	2	3	1	2	1	3	1	1	1	1	1	3
CO 3	2	3	1	2	1	2	1	1	1	1	1	2
Weighted Average	2	3	1	2	1	2	1	1	1	1	1	2.33

DSC (4) Mathematics Syllabus for B.Sc. Mathematics (Basic and Honors)

Semester IV

Course Code: 222439	Course Title: DSC (4): Real Analysis – I and Differential Equations – II DSC (4) Lab: Theory based Practical’s on Real Analysis – I and Differential Equations – II
Course Credits: 06 (4:0:2)	Hours of Teaching/Week: 04 (Theory) + 04 (Practical)
Total Contact Hours: 56 Hours (Theory) 56 Hours (Practical)	Formative Assessment Marks: 40 (Theory) 25 (Practical)
Exam Duration: 2 ½ Hours (Theory) 3 Hours (Practical)	Semester End Examination Marks: 60 (Theory) 25 (Practical)

Course Outcomes (COs):

- CO1:** Interpreting the behavior of convergence, divergence, oscillatory and monotonic sequences with their general principles.
- CO2:** Evaluation of convergence, divergence and oscillatory series applying various methods.
- CO3:** Apply various methods to evaluate linear differential equations and total differential equations.
- CO4:** Formation of Partial differential equations and designing solutions for first order non-linear partial differential equations using standard methods.

Course Articulation Matrix - 222439

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	2	2	1	-	3	-	-	-	1	1	-	1
CO 2	1	2	2	-	3	1	1	1	1	1	-	1
CO 3	2	3	2	1	3	-	-	1	2	2	1	1
CO 4	1	2	2	-	3	-	-	-	1	-	-	1
Weighted Average	1.5	2.25	1.75	1	3	1	1	1	1.25	1	1	1

DSC(5) Mathematics Syllabus for B.Sc. Mathematics

(Basic and Honors)

Semester: V

Course Code: 232539	Course Title: DSC(5) : Real Analysis-II and Complex Analysis DSC(5) : Lab :Theory based Practical's on Real Analysis-II and Complex Analysis
Course Credits: 06 (4:0:2)	Hours of Teaching/Week: 04 (Theory) + 04 (Practical)
Total Contact Hours: 60 Hours (Theory) 60 Hours (Practical)	Formative Assessment Marks: 40 (Theory) 25 (Practical)
Exam Duration: 2 ½ Hours (Theory) 3 Hours (Practical)	Semester End Examination Marks: 60 (Theory) 25 (Practical)

Course Outcomes (COs):

CO1 : Computing upper and lower Riemann sums and Criterion for integrability of functions and Mean Value Theorems.

CO2 : Evaluate the properties of analytic functions and harmonic functions.

CO3 : Identifying and evaluating integral theorems and its applications.

CO4 : Analyze and apply various methods of transformations.

Course Articulation Matrix - 232539

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	3	3	-	1	1	2	1	1	2	1	1	3
CO 2	3	2	1	-	1	1	1	1	2	1	1	3
CO 3	3	3	1	1	1	2	1	1	2	1	1	3
CO 4	3	3	1	1	1	2	1	1	2	1	1	3
Weighted Average	3	2.75	1	1	1	1.75	1	1	2	1	1	3

DSC(6) Mathematics Syllabus for B.Sc. Mathematics

(Basic and Honors)

Semester V

Course Code: 232540	Course Title: DSC(6) : Advanced algebra and Discrete Mathematics DSC(6) Lab : Theory based Practical's on Advanced algebra and Discrete Mathematics
Course Credits: 06 (4:0:2)	Hours of Teaching/Week: 04 (Theory) + 04 (Practical)
Total Contact Hours: 60 Hours (Theory) 60 Hours (Practical)	Formative Assessment Marks: 40 (Theory) 25 (Practical)
Exam Duration: 2 ½ Hours (Theory) 3 Hours (Practical)	Semester End Examination Marks: 60 (Theory) 25 (Practical)

Course Outcomes (COs):

CO 1: Identify and analyze different algebraic structure such as rings , fields integral domain and so on.

CO 2: Explore the relation between polynomial rings and homomorphism. Compute GCD of polynomials, irreducibility of polynomials and so on.

CO 3 : Analyze vectors and scalars with the operators Gradient, Divergence and Curl.

CO 4 : Compute various types of graph with its properties.

Course Articulation Matrix - 232540

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	3	3	1	1	1	2	1	1	2	1	1	2
CO 2	3	3	1	2	1	2	1	1	2	1	1	2
CO 3	3	2	1	2	1	1	1	1	2	1	1	2
CO 4	3	2	1	2	1	2	1	1	2	1	1	2
Weighted Average	3	2.5	1	1.75	1	1.75	1	1	2	1	1	2

SEC(1) - Mathematics Syllabus for B.Sc. Mathematics

(Basic and Honors)

Semester V

Course Code: 23EMPMAT01	Course Title: SEC(1): Programming with Python (Theory and Practical)
Course Credits: 03	Hours of Teaching/Week: 04 (Theory)
Total Contact Hours: 30 Hours (Theory) 30 Hours (Practical)	Formative Assessment Marks: 20 (Theory) 25 (Practical)
Exam Duration: 1 ½ Hours (Theory) 3 Hours (Practical)	Semester End Examination Marks: 30 (Theory) 25 (Practical)

Course Outcomes (COs):

CO 1: Examine and Develop solution for polynomial equations, linear equation and problems based on Ages.

CO 2: Evaluate the problems on Area, Volume and Surface area for some conic sections.

CO 3: Analysis of Direction test, Relation test and seating puzzles using various techniques.

Course Articulation Matrix - 23EMPMAT01

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	2	3	1	2	1	1	1	1	1	1	1	2
CO 2	2	3	1	2	1	3	1	1	1	1	1	3
CO 3	2	3	1	2	1	2	1	1	1	1	1	2
Weighted Average	2	3	1	2	1	2	1	1	1	1	1	2.33

DSC(8) Mathematics Syllabus for B.Sc. Mathematics

(Basic and Honors)

Semester: VI

Course Code: 232640	Course Title: DSC(8) : Numerical Analysis DSC(8) Lab :Theory based Practical's on Numerical Analysis
Course Credits: 06 (4:0:2)	Hours of Teaching/Week: 04 (Theory) + 04 (Practical)
Total Contact Hours: 60 Hours (Theory) 60 Hours (Practical)	Formative Assessment Marks: 40 (Theory) 25 (Practical)
Exam Duration: 2 ½ Hours (Theory) 3 Hours (Practical)	Semester End Examination Marks: 60 (Theory) 25 (Practical)

Course Outcomes (COs):

- CO1:** Evaluate various operators arising in numerical analysis such as difference operators, shift operators and so on.
- CO2:** Various techniques of numerical analysis such as in finding roots , integrals and derivatives.
- CO3:** Apply the rules of calculus and other areas of mathematics in justifying the techniques of numerical analysis.
- CO4:** Applicability of techniques of numerical analysis in solving real life problems modified to improve the accuracy.

Course Articulation Matrix – 232640

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	2	3	1	2	1	2	1	1	1	1	1	2
CO 2	2	3	1	2	1	2	1	1	1	1	1	2
CO 3	3	3	1	2	1	2	1	1	1	1	1	2
CO 4	3	3	1	2	1	2	1	1	1	1	1	2
Weighted Average	2.5	3	1	2	1	2	1	1	1	1	1	2

DEPARTMENT OF MICROBIOLOGY

DSC (1) Syllabus for B.Sc. Microbiology (Basic and Honors)

Semester I

Course Code: 212179	Course Title: General Microbiology (Theory) General Microbiology Lab (Practical)
Course Credits (L:T:P) : 06 (4:0:2)	Hours of Teaching/Week: 04 (Theory) + 04 (Practical)
Total Contact Hours: 56 Hours (Theory)56 Hours (Practical)	Formative Assessment Marks: 40 (Theory)25 (Practical)
Exam Duration: 2½ Hours (Theory)3 Hours (Practical)	Semester End Examination Marks: 60 (Theory)25 (Practical)

Course Outcomes (COs):

CO 1: Acquisition of concepts of microbiology.

CO 2: Professional skills in handling microbes.

CO 3: Thorough applications of good laboratory and good manufacturing practices in microbial quality control.

CO 4: Reviewing the structural organization and reproduction of microorganisms

Course Articulation Matrix – 212179

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	2	2	2	2	-	2	1	-	-	1	-	2
CO 2	2	2	2	2	-	2	2	-	-	1	-	2
CO 3	1	2	2	2	-	2	2	-	-	1	-	2
CO 4	2	2	2	2	-	-	-	-	-	1	-	2
Weighted Average	1.75	2	2	2	-	2	1.66	-	-	1	-	2

OE (1) Microbiology Syllabus for All Programs (Except Science)

Semester I

Course Code: 21OEMIB101	Course Title: Microbial Technology for Human Welfare
Course Credits (L:T:P): 03 (3:0:0)	Hours of Teaching/Week: 3 Hours (Theory)
Total Contact Hours: 42 Hours (Theory)	Formative Assessment Marks: 40
Exam Duration: 2½ Hours (Theory)	Semester End Examination Marks: 60

Course Outcomes (COs):

CO 1: Acquire information about Fermentation Microbial Technology.

CO 2: Considerate broader goals of Agricultural Microbiology.

CO 3: Appreciate the comprehension of antibiotic therapy, drugs and Vaccines.

Course Articulation Matrix – 21OEMIB101

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	2	1	1	-	-	2	2	-	-	1	-	1
CO 2	2	1	1	-	1	2	2	-	-	1	-	1
CO 3	2	1	1	1	-	2	2	-	-	1	-	1
Weighted Average	2	1	1	1	1	2	2	-	-	1	-	1

DSC (2) Syllabus for B.Sc. Microbiology (Basic and Honors)

Semester II

Course Code: 212279	Course Title: Microbial Biochemistry and Physiology (Theory) Microbial Biochemistry and Physiology (Practical)
Course Credits (L:T:P) : 06 (4:0:2)	Hours of Teaching/Week: 04 (Theory) + 04 (Practical)
Total Contact Hours: 56Hours(Theory) 56 Hours(Practical)	Formative Assessment Marks: 40 (Theory) 25 (Practical)
Exam Duration: 2½ Hours (Theory) 3 Hours (Practical)	Semester End Examination Marks: 60 (Theory) 25 (Practical)

Course Outcomes (COs):

CO 1: Compare the types of biomolecules, structure, and their functions.

CO 2: Exhibit the skills to perform bioanalytical techniques.

CO 3: Solicit proficiency on microbial growth and nutrition.

CO 4: Acquire broader facts of Microbial respiration and Photosynthesis

Course Articulation Matrix - 212279

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	3	1	1	2	-	-	-	-	-	2	-	2
CO 2	1	1	1	2	2	-	-	-	-	2	-	2
CO 3	3	1	1	-	2	1	-	-	-	2	-	2
CO 4	3	1	1	-	-	1	-	-	-	2	-	2
Weighted Average	2.5	1	1	-	2	1	-	-	-	2	-	2

OE (2) Microbiology Syllabus for All Programs (Except Science)

Semester II

Course Code: 21OEMIB201	Course Title: Environmental and Sanitary Microbiology
Course Credits : 03 (3:0:0)	Hours of Teaching/Week: 3 Hours (Theory)
Total Contact Hours: 42 Hours (Theory)	Formative Assessment Marks: 40
Exam Duration: 2½ Hours (Theory)	Semester End Examination Marks: 60

Course Outcomes (COs):

CO 1: Comprehend the concepts of Microbial distribution in the environment.

CO 2: Considerate broader goals of detection and control of microbial contaminants.

CO 3: Impact of microbial infections and diseases on public health.

Course Articulation Matrix – 21OEMIB201

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	2	1	1	-	-	1	1	-	-	1	-	1
CO 2	2	1	1	2	-	1	1	-	-	1	-	1
CO 3	2	1	1	2	-	1	1	-	-	1	-	1
Weighted Average	2	1	1	2	-	1	1	-	-	1	-	1

DSC (3) Syllabus for B.Sc. Microbiology (Basic and Honors)

Semester III

Course Code: 222379	Course Title: Microbial Diversity (Theory) Microbial Diversity Lab (Practical)
Course Credits (L:T:P) : 06 (4:0:2)	Hours of Teaching/Week: 04 (Theory) + 04 (Practical)
Total Contact Hours: 56 Hours (Theory) 56 Hours (Practical)	Formative Assessment Marks: 40 (Theory) 25 (Practical)
Exam Duration: 2½ Hours (Theory) 3 Hours (Practical)	Semester End Examination Marks: 60 (Theory) 25 (Practical)

Course Outcomes (COs):

CO 1: Appreciate the comprehension of Microbial Diversity.

CO 2: Illustrate the characters, classification and economic importance of Prokaryotic microbes.

CO 3: Emphasize the characters, classification and economic importance of Eukaryotic microbes.

CO 4: Acquire broader facts of viruses and their diversity.

Course Articulation Matrix – 222379

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	1	-	-	-	2	1	1	-	3	2	-	1
CO 2	2	-	-	-	2	1	1	-	3	2	-	1
CO 3	2	-	-	-	2	1	1	-	3	2	-	1
CO 4	2	-	-	-	2	1	-	-	-	2	-	1
Weighted Average	1.75	-	-		2	1	1	-	3	2	-	1

OE (3) Microbiology Syllabus for All Programs (Except Science)

Semester III

Course Code: 22OEMIB301	Course Title: Microbial Entrepreneurship
Course Credits (L:T:P): 03 (3:0:0)	Hours of Teaching/Week: 3 Hours (Theory)
Total Contact Hours: 42 Hours (Theory)	Formative Assessment Marks: 40
Exam Duration: 2½ Hours (Theory)	Semester End Examination Marks: 60

Course Outcomes (COs):

CO 1: Exhibit entrepreneurial skills.

CO 2: Erudition of industrial entrepreneurship.

CO 3: Proficiency in Healthcare Entrepreneurship.

Course Articulation Matrix – 22OEMIB301

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	1	1	1	-	-	1	-	2	-	2	-	1
CO 2	1	1	1	-	1	1	1	-	-	2	-	1
CO 3	1	1	1	1	1	1	1	-	-	2	-	1
Weighted Average	1	1	1	-	1	1	1	2	-	2	-	1

DSC (4) Syllabus for B.Sc. Microbiology (Basic and Honors)

Semester IV

Course Code: 222479	Course Title: Microbial Enzymology and Metabolism (Theory) Microbial Enzymology and Metabolism (Practical)
Course Credits (L:T:P): 06 (4:0:2)	Hours of Teaching/Week: 04 (Theory) + 04(Practical)
Total Contact Hours: 56Hours(Theory)56 Hours(Practical)	Formative Assessment Marks: 40 (Theory)25 (Practical)
Exam Duration: 2½ Hours (Theory)3 Hours (Practical)	Semester End Examination Marks: 60 (Theory)25 (Practical)

Course Outcomes (COs):

CO 1: Delineate the Enzyme activity.

CO 2: Swotting the enzyme kinetics and regulation.

CO 3: Extricate the concepts of Chemoheterotrophic metabolism and Chemolithotrophic metabolism.

CO 4: Differentiating concepts of aerobic and anaerobic respiration and how these are manifested in the form of different metabolic pathways in microorganisms

Course Articulation Matrix – 222479

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	3	2	2	1	-	-	-	-	-	2	-	2
CO 2	3	2	2	1	-	-	-	-	-	2	-	2
CO 3	3	2	2	1	-	-	-	-	-	2	-	2
CO 4	3	2	2	1	-	-	-	-	-	2	-	2
Weighted Average	3	2	2	1	-	-	-	-	-	2	-	2

OE (4) Microbiology Syllabus for All Programs (Except Science)

Semester IV

Course Code: 22OEMIB401	Course Title: HUMAN MICROBIOME
Course Credits (L:T:P): 03 (3:0:0)	Hours of Teaching/Week: 3 Hours (Theory)
Total Contact Hours: 42 Hours (Theory)	Formative Assessment Marks: 40
Exam Duration: 2½ Hours (Theory)	Semester End Examination Marks: 60

Course Outcomes (COs):

CO 1: Articulate a deeper understanding on biological complexities of human microbiome.

CO 2: Acquire broader goals of biological anthropology.

CO 3: Compare and contrast the microbiome of different human body sites and impact human health promotion.

Course Articulation Matrix – 22OEMIB401

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	2	-	-	2	-	1	1	-	-	2	-	1
CO 2	2	2	2	2	-	1	1	-	-	2	-	1
CO 3	2	1	1	2	-	1	1	-	-	2	-	1
Weighted Average	2	1.5	1.5	2	-	1	1	-	-	2	-	1

DSC (5) Syllabus for B.Sc. Microbiology (Basics and Honors)

Semester-V

Course Code: 232579	Course Title: Microbial Genetics (Theory) Microbial Genetics Lab (Practical)
Course Credits (L:T:P) : 06 (4:0:2)	Hours of Teaching/Week: 04 (Theory) + 04 (Practical)
Total Contact Hours: 60 Hours(Theory) 60 Hours (Practical)	Formative Assessment Marks: 40 (Theory) 25 (Practical)
Exam Duration: 2½ Hours(Theory) 3 Hours (Practical)	Semester End Examination Marks: 60 (Theory) 25 (Practical)

COURSE OUTCOMES (COs):

- CO 1:** Appreciate the experimental evidences to prove DNA as genetic material and differentiate various method of recombination in bacteria.
- CO 2:** Comprehend the concepts involved in replication, transcription, and translation in bacteria.
- CO 3:** Acquire information on regulatory mechanisms and gene expression in bacteria.
- CO 4:** Differentiating gene interaction in viruses and fungi.

COURSE ARTICULATION MATRIX – 232579

CO / PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	2	1	1	2	2	2	2	2	-	3	2	2
CO 2	2	1	2	2	2	3	1	2	-	3	2	2
CO 3	2	-	2	2	3	2	1	1	1	3	1	2
CO 4	2	1	2	2	2	2	2	1	1	3	1	1
Weighted Average	2	1	1.75	2	2.25	2.25	1.5	1.5	1	3	1.5	1.75

DSC (6) Syllabus for B.Sc. Microbiology (Basic and Honors)

Course Code: 232580	Course Title: Food Microbiology (Theory) Food Microbiology (Practical)
Course Credits (L:T:P): 06 (4:0:2)	Hours of Teaching/Week: 04 (Theory) + 04(Practical)
Total Contact Hours: 60 Hours(Theory) 60 Hours(Practical)	Formative Assessment Marks: 40 (Theory) 25(Practical)
Exam Duration: 2½ Hours (Theory) 3 Hours (Practical)	Semester End Examination Marks: 60 (Theory) 25 (Practical)

COURSE OUTCOMES (COS):

- CO 1:** Appreciate the roles of microbes in food crops production and acquire information on disease of food crops.
- CO 2:** Considerate the association of microbes in food and the quality testing of food and water.
- CO 3:** Comprehend the methods of spoilage of food, the diseases associated with it and acquire broader facts on preservation and food safety protocols.
- CO 4:** Acquire information about properties of milk, methods of preservation of milk and capture facts on types of fermented food and dairy products and its significance.

COURSE ARTICULATION MATRIX – 232580

CO \ PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	3	3	3	3	2	3	3	3	2	3	3	2
CO 2	3	2	2	2	2	3	2	1	2	3	3	2
CO 3	2	3	3	2	2	3	2	1	-	2	1	1
CO 4	3	3	3	2	3	3	3	1	1	3	3	2
Weighted Average	2.75	2.75	2.75	2.25	2.25	3	2.5	1.5	1.67	2.75	2.5	1.75

SEC (5): Microbial and Biochemical Techniques

Semester V

Course Code: 23EMPMIB01	Course Title: Microbial and Biochemical Techniques (Theory) Microbial and Biochemical Techniques (Practical)
Course Credits (L:T:P): 03 (2:0:1)	Hours of Teaching/Week: 02 (Theory) 02(Practical)
Total Contact Hours: 30Hours(Theory) 30Hours(Practical)	Formative Assessment Marks: 20 (Theory) 25(Practical)
Exam Duration: 1½ Hours (Theory) 3 Hours (Practical)	Semester End Examination Marks: 30 (Theory) 25(Practical)

COURSE OUTCOMES (COS):

- CO 1:** Demonstrate skills in microbiological and analytical techniques and comprehend the principles which underlie sterilization of culture media, glassware and plastic ware to be used for microbiological work.
- CO 2:** Considerate the principles of a number of analytical instruments which the students have to use during the study and also later as microbiologists for performing various laboratory manipulations and handle several separation techniques which may be required to be handled later as microbiologists.

COURSE ARTICULATION MATRIX – 23EMPMIB01

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	3	-	2	1	1	1	-	1	2	2	3	3
CO 2	3	1	2	2	3	2	1	1	2	2	3	3
Weighted Average	3	1	2	1.5	2	1.5	1	1	2	2	3	3

DSC (7) Syllabus for B.Sc. Microbiology (Basic and Honors)

VI SEMSTER

Course Code: 232679	Course Title: Immunology and Medical Microbiology(Theory) Immunology and Medical Microbiology (Practical)
Course Credits (L:T:P) : 06 (4:0:2)	Hours of Teaching/Week: 04 (Theory) + 04 (Practical)
Total Contact Hours: 60 Hours (Theory) 60 Hours (Practical)	Formative Assessment Marks: 40 (Theory) 25 (Practical)
Exam Duration: 2½ Hours(Theory) 3 Hours (Practical)	Semester End Examination Marks: 60 (Theory) 25 (Practical)

COURSE OUTCOMES (COS):

- CO 1:** Gain preliminary information about various immune mechanisms and articulate the concepts of antigen, antibodies and its classes.
- CO 2:** Familiarize with immunological techniques and sero-diagnosis of infectious diseases.
- CO 3:** Emphasize the pathogenic bacterial infections, pathogenesis, symptoms, and diagnosis and treatment process.
- CO 4:** Emphasize the pathogenic viral, fungal infections, its pathogenesis, symptoms, diagnosis and treatment process also comprehend the concepts of antimicrobial agents and antibiotic resistance.

COURSE ARTICULATION MATRIX – 232679

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	2	2	1	1	1	1	1	-	-	2	1	2
CO 2	3	2	3	3	3	3	2	2	2	3	3	1
CO 3	3	2	3	3	3	3	2	2	2	3	3	2
CO 4	3	3	3	3	3	3	2	2	2	3	3	2
Weighted Average	2.75	2.25	2.5	2.5	2.5	2.5	1.75	2	2	2.75	2.5	1.75

DSC (8) Syllabus for B.Sc. Microbiology (Basic and Honors)

Course Code: 232680	Course Title: Industrial Microbiology (Theory) Industrial Microbiology (Practical)
Course Credits (L:T:P) :06 (4:0:2)	Hours of Teaching/Week: 04 (Theory) + 04 (Practical)
Total Contact Hours: 60 Hours (Theory) 60 Hours (Practical)	Formative Assessment Marks: 40 (Theory) 25 (Practical)
Exam Duration: 2½ Hours(Theory) 3 Hours (Practical)	Semester End Examination Marks: 60 (Theory) 25 (Practical)

COURSE OUTCOMES (COS):

CO1: Considerate the overview of scope and importance of industrially important microbes and compare different types of fermentation processes and equipment's.

CO2: Acquire broader facts of purification of value-added products.

CO3: Comprehend facts on the concepts and terminology in genetic engineering.

CO4: Competent about principles involved in manipulating genes and DNA and emphasize with various techniques used in genetic engineering.

COURSE ARTICULATION MATRIX – 232680

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	3	1	1	2	2	1	1	2	3	1	3	1
CO 2	3	2	2	2	3	3	1	2	3	3	3	2
CO 3	3	1	2	2	3	3	3	3	3	2	3	2
CO 4	3	3	3	2	3	3	3	3	3	3	3	2
Weighted Average	3	1.75	2	2	2.75	2.5	2	2.5	3	2.25	3	1.75

DEPARTMENT OF PHYSICS

DSC (1) Syllabus for B.Sc. Physics (Basic and Honors)

Semester I

Course Code: 212129	Course Title: DSC(1)- Mechanics and Properties of Matter (Theory)DSC(1)-lab
Course Credits: 06 (4:0:2)	Hours of Teaching/Week: 04 (Theory) + 04 (Practical)
Total Contact Hours: 56 Hours (Theory)56 Hours (Practical)	Formative Assessment Marks: 40 (Theory)25 (Practical)
Exam Duration: 2 1/2 Hours (Theory)3 Hours (Practical)	Semester-End Examination Marks: 60 (Theory)25 (Practical)

Course Outcomes (COs)

CO1: Implementation of data on Units and measurement, Special theory of relativity. For tabulation and Monitoring of data to comprehend the accuracy of measurements and to analyze the sources of errors. And, also to gain knowledge of Energy and Momentum.

CO2: Analyze laws of motion and gravitational law and also acquire knowledge of momenta of inertia of different rigid bodies.

CO3: Implementation of various moduli of elasticity by experimental method to comprehend its applications.

CO4: Implement the experimental techniques adopted to evaluate surface tension and viscosity.

Course Articulation Matrix- Course code 212129												
Course outcomes	Program outcomes											
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	1	1	1	2	2	2	1	1	2	___	2
CO2	3	2	1	1	2	2	2	1	1	1	___	2
CO3	3	2	1	1	2	2	2	1	2	2	1	2
CO4	3	2	1	1	2	2	2	1	2	1	1	2
Weighted average	3	1.75	1	1	2	2	2	1	1.5	1.5	1	2

OE Physics Syllabus for All Programs (Except Science)

Semester I

Course Code: 21OEPHY101	Course Title: OE (1): Energy Sources
Course Credits: 03 (3:0:0)	Hours of Teaching/Week: 03 Hour (Theory)
Total Contact Hours: 42 Hours	Formative Assessment Marks: 40
Exam Duration: 2 ¹ / ₂ Hours	Semester-End Examination Marks: 60

Course Outcomes (COs):

CO1: Acquiring knowledge of energy concepts and conventional energy sources in nonrenewable energy sources.

CO2: Gaining knowledge of renewable energy sources and solar energy with their applications.

CO3: Comprehending the knowledge of wind energy, tidal energy harvesting, geothermal and hydro energy utilization.

Course Articulation Matrix-21OEPHY101												
Course Outcomes	Program Outcomes											
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	2	2	1	2	2	2	1	1	1	-	1
CO2	3	2	2	1	2	2	2	1	2	1	1	1
CO3	3	1	2	1	2	2	2	1	2	1	1	1
WA	3	1.66	2	1	2	2	2	1	1.66	1	1	1

OE Physics Syllabus for All Programs (Except Science)

Semester I

Course Code: 21OEPHY102	Course Title: OE(2): Climate Science
Course Credits: 03 (3:0:0)	Hours of Teaching/Week: 03 Hour (Theory)
Total Contact Hours: 42 Hours	Formative Assessment Marks: 40
Exam Duration: 2 ¹ / ₂ Hours	Semester-End Examination Marks: 60

Course Outcomes (COs):

CO1: Developing knowledge about atmospheric science as a multidisciplinary concept.

CO2: Analyze the impact of atmospheric circulation on world climate and the influence of meteorological parameters and atmospheric stability.

CO3: Evaluate the contribution of greenhouse gases in Global warming and thereby bringing change in the climate.

Course Articulation Matrix-21OEPHY102												
Course Outcomes	Program Outcomes											
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	1	1	1	2	2	2	1	1	1	-	1
CO2	3	1	1	1	2	2	2	1	2	1	-	1
CO3	3	2	2	1	2	2	2	1	2	1	1	1
WA	3	1.33	1.33	1	2	2	2	1	1.66	1	1	1

DSC (2) Syllabus for B.Sc. Physics (Basic and Honors)

Semester II

Course Code: 212229	Course Title: DSC(2)- Electricity and Magnetism (Theory)DSC(2)-lab
Course Credits: 06 (4:0:2)	Hours of Teaching/Week: 04 (Theory) + 04 (Practical)
Total Contact Hours: 56 Hours (Theory)56 Hours (Practical)	Formative Assessment Marks: 40 (Theory)25 (Practical)
Exam Duration: 2 ¹ Hours (Theory) 3 Hours (Practical) ²	Semester-End Examination Marks 60 (Theory) 25 (Practical)

Course Outcomes (COs):

CO1: Comprehend Gauss Law, and Coulomb's law applying for point charges, and line charges and also differentiate the vector formalisms of Electrostatics.

CO2: Acquiring knowledge of Conductors in the Electrostatic field and to Analyse the properties of circuit elements.

CO3: Accomplishing the experimental laws of Magnetism and obtaining resonance in an LCR circuit

CO4: Analyzing Maxwell's equation in Electromagnetic waves to acquire knowledge of Electric current and Magnetism.

Course Articulation Matrix-Course code 212229												
Course outcomes	Program outcomes											
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	1	1	1	2	2	2	1	2	1	1	2
CO2	3	2	1	1	2	2	2	1	2	1	1	2
CO3	3	2	1	1	2	2	2	1	2	2	1	2
CO4	3	3	1	1	2	2	2	1	2	2	1	2
Weighted average	3	2	1	1	2	2	2	1	2	1.5	1	2

OE Physics Syllabus for All Programs (Except Science)

Semester II

Course Code: 21OEPHY201	Course Title: OE(3): Astronomy
Course Credits: 03 (3:0:0)	Hours of Teaching/Week: 03 Hour (Theory)
Total Contact Hours: 42 Hours	Formative Assessment Marks: 40
Exam Duration: 2 $\frac{1}{2}$ Hours	Semester-End Examination Marks: 60

Course Outcomes (COs)

CO1: Gaining knowledge of Ancient Indian, Medieval and modern astronomy and Comprehending tool and methods implemented to observe heavenly bodies.

CO2: Acquiring knowledge of the solar system.

CO3: Monitoring the prominent stars and constellations visible during stipulated periods.

Course Articulation Matrix- 21OEPHY201												
Course outcomes	Program outcomes											
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	1	1	1	2	2	1	1	1	1	—	1
CO2	3	1	1	1	2	2	1	1	1	1	1	1
CO3	3	1	1	2	2	2	----	1	1	1	----	1
Weighted average	3	1	1	1.33	2	2	1	1	1	1	1	1

OE Physics Syllabus for All Programs (Except Science) Semester II

Course Code: 21OEPHY202	Course Title: OE(4): Medical Physics
Course Credits: 03 (3:0:0)	Hours of Teaching/Week: 03 Hour (Theory)
Total Contact Hours: 42 Hours	Formative Assessment Marks: 40
Exam Duration: 2 ¹ / ₂ Hours	Semester-End Examination Marks: 60

Course Outcomes (COs):

CO1: Developing knowledge about human anatomy and physiology.

CO2: Analyze the knowledge in the field of Physics in medical diagnostics instruments.

CO3: Acquire knowledge about the physics behind radiotherapy.

Course Articulation Matrix- 21OEPHY202												
Mapping of Course Outcomes (CO) Program Outcomes(PO)												
Course outcomes	Program outcomes											
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	1	1	1	2	2	1	1	1	1	—	1
CO2	3	1	1	1	2	2	1	1	2	1	—	1
CO3	3	1	1	1	2	2	1	1	2	1	1	1
Weighted average	3	1	1	1	2	2	1	1	1.66	1	1	1

DSC(3) Syllabus for B.Sc. Physics (Basic and Honors)

Semester III

Course Code: 222329	Course Title: DSC(3)-Wave motion and Optics (Theory) DSC(3)-lab
Course Credits: 06 (4:0:2)	Hours of Teaching/Week: 04 (Theory) + 04 (Practical)
Total Contact Hours: 56 Hours (Theory) 56 Hours (Practical)	Formative Assessment Marks: 40 (Theory) 25 (Practical)
Exam Duration: 2 ¹ / ₂ Hours (Theory) 3 Hours (Practical)	Semester-End Examination Marks: 60 (Theory) 25 (Practical)

Course Outcomes (COs)

CO1: Identify different types of waves, wave equations and different parameters for the wave and superposition of waves for different amplitude and frequency.

CO2: Analyze the formation of standing waves and how the energy is transferred along the standing wave in different methods, applications and mathematical models in the case of stretched string and vibration of a rod and identify the different parameters that affect the acoustics in a building, measure it, and control it.

CO3: Gain knowledge on various theories of light and apply the phenomenon of interference.

CO4: Implement the knowledge gained on diffraction and Polarization.

Course Articulation Matrix- course code-222329												
Course outcomes	Program outcomes											
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	1	1	1	2	2	2	1	1	1	—	2
CO2	3	2	1	1	2	2	2	1	1	1	—	2
CO3	3	2	1	1	2	2	2	1	2	2	—	2
CO4	3	3	1	1	2	2	2	1	2	2	1	2
Weighted average	3	2	1	1	2	2	2	1	1.5	1.5	1	2

OE: Physics Syllabus for All Programs (Except Science)

Semester III

Course Code: 22OEPHY301	Course Title: OE(5): Optical Instruments
Course Credits: 03 (3:0:0)	Hours of Teaching/Week: 03 Hour (Theory)
Total Contact Hours: 42 Hours	Formative Assessment Marks: 40
Exam Duration: 2½ Hours 2	Semester-End Examination Marks: 60

Course Outcomes (COs):

CO1: Comprehending the basic knowledge of different laws and principles of optics and assimilating the different formulae of optics.

CO2: Gaining knowledge about the construction and working of various microscopes and cameras and their utilization.

CO3: Acquiring the knowledge of construction, working and application of different types of telescopes and spectroscopes.

Course Articulation Matrix- 22OEPHY301												
Course outcomes	Program outcomes											
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	1	1	1	2	2	2	1	1	1	—	1
CO2	3	1	1	1	2	2	2	1	2	1	—	1
CO3	3	1	1	1	2	2	2	1	2	1	1	1
Weighted average	3	1	1	1	2	2	2	1	1.66	1	1	1

OE Physics Syllabus for All Programs (Except Science)

Semester III

Course Code: 22OEPHY302	Course Title: OE(6): Sports Science
Course Credits: 03 (3:0:0)	Hours of Teaching/Week: 03 Hour (Theory)
Total Contact Hours: 42 Hours	Formative Assessment Marks: 40
Exam Duration: 2 ¹ Hours 2	Semester-End Examination Marks: 60

Course Outcomes (COs)

CO1: Comprehension of measurements, Newton's laws of motion and assimilating the knowledge of projectile motion.

CO2: Gaining knowledge about the law of conservation, a center of mass and gravitational law, and Archimedes's principles.

CO3: Enlightening the significance of nutrients in food for physical exercise and briefing about the energy sources that are required in day-to-day life.

Course Articulation Matrix- 22OEPHY302												
Course outcomes	Program outcomes											
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	2	1	1	2	3	2	1	1	1	—	2
CO2	3	2	1	1	2	3	2	1	2	1	—	2
CO3	3	1	1	1	2	3	2	1	2	1	1	2
Weighted average	3	1.66	1	1	2	3	2	1	1.66	1	1	2

DSC (4) Syllabus for B.Sc. Physics (Basic and Honors)

Semester IV

Course Code: 222429	Course Title: DSC(4)-Thermal Physics and Electronics (Theory) DSC(4)-lab
Course Credits: 06 (4:0:2)	Hours of Teaching/Week: 04 (Theory) + 04 (Practical)
Total Contact Hours: 56 Hours (Theory) 56 Hours (Practical)	Formative Assessment Marks: 40 (Theory) 25 (Practical)
Exam Duration: 2 ¹ / ₂ Hours (Theory) 3 Hours (Practical)	Semester-End Examination Marks: 60 (Theory) 25 (Practical)

Course Outcomes (COs)

CO1: Apply the laws of thermodynamics, laws of kinetic theory and radiation laws to the ideal and practical thermodynamics systems through derived thermodynamic relations.

CO2: Use the concepts of semiconductors to comprehend different Semiconductor devices such as diode transistors, BJT, FET, etc and explain their functioning

CO3: Acquire knowledge on the functioning of OP-AMPS and apply it as the building blocks in logic gates.

CO4: Implement the use of logic gates in different theorems of Boolean Algebra followed by logic circuits.

Course Articulation Matrix-Course code-222429

Course outcomes	Program outcomes											
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	1	1	1	2	2	2	1	1	1	—	2
CO2	3	2	1	1	2	2	2	1	1	1	—	2
CO3	3	2	1	1	2	2	2	1	2	2	—	2
CO4	3	3	1	1	2	2	2	1	2	2	1	2
Weighted average	3	2	1	1	2	2	2	1	1.5	1.5	1	2

OE Physics Syllabus for All Programs (Except Science)

Semester IV

Course Code: 22OEPHY401	Course Title: OE(7): Nanotechnology
Course Credits: 03 (3:0:0)	Hours of Teaching/Week: 03 Hour (Theory)
Total Contact Hours: 42 Hours	Formative Assessment Marks: 40
Exam Duration: 2 ¹ Hours 2	Semester-End Examination Marks: 60

Course Outcomes (COs)

CO1: Acquiring the knowledge of Nanomaterials, Application of the Schrödinger equation and confinement of nanostructure and its consequences in 1D,2D and 3D.

CO2: Gaining knowledge on various methods used in the processing, synthesizing and characterization of nanostructure materials.

CO3: Comprehending the properties and application of nanomaterials by implementing various nanomaterial devices.

Course Articulation Matrix- 22OEPHY401												
Course outcomes	Program outcomes											
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	1	1	1	2	2	2	1	1	1	—	1
CO2	3	1	1	1	2	2	2	1	1	2	1	1
CO3	3	1	1	1	2	3	2	1	2	1	—	1
Weighted average	3	1	1	1	2	2.33	2	1	1.33	1.33	1	1

OE Physics Syllabus for All Programs (Except Science)

Semester IV

Course Code: 22OEPHY402	Course Title: OE(8) : Electrical Instruments
Course Credits: 03 (3:0:0)	Hours of Teaching/Week: 03 Hour (Theory)
Total Contact Hours: 42 Hours	Formative Assessment Marks: 40
Exam Duration: 2 ¹ Hours 2	Semester-End Examination Marks: 60

Course Outcomes (COs)

CO1: Developing knowledge of Kirchoff's laws and experimental application of circuitelements.

CO2: Gaining knowledge about the different types of galvanometers, potentiometers and DC/AC bridges.

CO3: Acquiring knowledge on lead acid batteries, working of CRO and transducers.

Course Articulation Matrix- 22OEPHY402												
Course outcomes	Program outcomes											
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	1	1	1	2	2	2	1	1	1	—	1
CO2	3	1	1	2	2	2	2	1	2	1	—	1
CO3	3	1	1	2	2	2	2	1	2	1	1	1
Weighted average	3	1	1	1.66	2	2	2	1	1.66	1	1	1

DSC(5) Syllabus for B.Sc. Physics (Basic and Honours)

Semester V

Course Code: 232529	Course Title: DSC(5)- Classical Mechanics-I and Quantum Mechanics-I (Theory) DSC(5)-Lab
Course Credits: 06 (4:0:2)	Hours of Teaching/Week: 04 (Theory) + 04 (Practical)
Total Contact Hours: 60 Hours (Theory) 60 Hours (Practical)	Formative Assessment Marks: 40 (Theory) 25 (Practical)
Exam Duration: 2 $\frac{1}{2}$ Hours (Theory) 3 Hours (Practical)	Semester-End Examination Marks: 60 (Theory) 25 (Practical)

Course Outcomes (COs)

CO1	Comprehension of Newton's laws of motion, conservation momentum and energy. And to gain knowledge on constrains, degrees of freedom and harmonic oscillator.
CO2	To gain knowledge on Hamiltonian mechanics.
CO3	Identify the failure of classical physics at the microscopic level. Explain the minimum uncertainty of measuring both observables on any quantum state.
CO4	Analyze the time-dependent and time-independent Schrödinger equation for simple potentials like for instance one-dimensional potential well and Harmonic oscillator.

Course Articulation Matrix- course code-232529

Course outcomes	Program outcomes											
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	3	2	1	2	2	2	2	1	2	2	1	2
CO2	3	2	1	1	2	2	2	1	2	1	—	1
CO3	3	3	1	1	2	2	2	1	2	2	—	1
CO4	3	3	1	1	2	2	2	1	2	2	1	1
Weighted average	3	2.5	1	1.25	2	2	2	1	2	1.5	1	1.25

DSC(6) Syllabus for B.Sc. Physics (Basic and Honors)

Semester V

Course Code: 232530	Course Title: DSC(6)- Elements of Atomic, Molecular and Laser Physics (Theory) DSC(6)-Lab
Course Credits: 06 (4:0:2)	Hours of Teaching/Week: 04 (Theory) + 04 (Practical)
Total Contact Hours: 60 Hours (Theory) 60 Hours (Practical)	Formative Assessment Marks: 40 (Theory) 25 (Practical)
Exam Duration: 2 $\frac{1}{2}$ Hours (Theory) 3 Hours (Practical)	Semester-End Examination Marks: 60 (Theory) 25 (Practical)

Course Outcomes (COs)	
CO1	Gain knowledge on various atomic models and implementing it for experimental methods.
CO2	Interpretation of atomic spectra of elements using vector atom model.
CO3	Implementing molecular spectra of compounds using basics of molecular physics.
CO4	Gaining knowledge on laser systems and their applications in various fields.

Course Articulation Matrix- course code-232530												
Course outcomes	Program outcomes											
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	3	2	1	1	2	2	2	1	2	1	2	2
CO2	3	2	1	1	2	2	2	1	2	1	2	2
CO3	3	2	2	1	2	2	2	1	2	2	2	2
CO4	3	2	2	2	2	3	2	1	2	2	2	2
Weighted average	3	2	1.5	1.25	2	2.25	2	1	2	1.5	2	2

DSC(7) Syllabus for B.Sc. Physics (Basic and Honors)

Semester VI

Course Code: 232629	Course Title: DSC(7)- Elements of Condensed Matter & Nuclear Physics (Theory) DSC(7)-Lab
Course Credits: 06 (4:0:2)	Hours of Teaching/Week: 04 (Theory) + 04 (Practical)
Total Contact Hours: 60 Hours (Theory) 60 Hours (Practical)	Formative Assessment Marks: 40 (Theory) 25 (Practical)
Exam Duration: 2 ¹ / ₂ Hours (Theory) 3 Hours (Practical)	Semester-End Examination Marks: 60 (Theory) 25 (Practical)

Course Outcomes (COs)

	Course Outcomes (COs)
CO1	Acquiring the knowledge on Crystal systems , X-rays and free electron theory of metals
CO2	Comprehending the knowledge of magnetism, dielectrics and superconductivity.
CO3	Analyzing the processes of alpha, beta and gamma decays based on well-established theories.
CO4	Gaining knowledge about the basic aspects of interaction of gamma radiation with matter by photoelectric effect, Compton scattering and pair production and to differentiate nuclear radiation detectors such as ionization chamber, Geiger-Mueller counter etc.

Course Articulation Matrix- course code-232629

Course outcomes	Program outcomes											
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	3	2	1	1	2	2	2	1	2	1	1	2
CO2	3	2	2	1	2	2	2	1	1	1	1	2
CO3	3	2	1	1	2	2	2	1	2	2	1	2
CO4	3	2	1	1	2	2	2	1	2	2	1	2
Weighted average	3	2	1.25	1	2	2	2	1	1.75	1.5	1	2

DSC(8) Syllabus for B.Sc. Physics (Basic and Honors)

Semester VI

Course Code: 232630	Course Title: DSC(8)- Electronic Instrumentation and Sensors (Theory) DSC(8)-Lab
Course Credits: 06 (4:0:2)	Hours of Teaching/Week: 04 (Theory) + 04 (Practical)
Total Contact Hours: 60 Hours (Theory) 60 Hours (Practical)	Formative Assessment Marks: 40 (Theory) 25 (Practical)
Exam Duration: 2 ¹ / ₂ Hours (Theory) 3 Hours (Practical)	Semester-End Examination Marks: 60 (Theory) 25 (Practical)

Course Outcomes (COs)	
CO1	Identifying the different types of tests and measuring instruments used in practice and understand their basic working principles.
CO2	Comprehending and giving a mathematical treatment of the working of rectifiers, filter, data converters and different types of transducers.
CO3	Implementation and understanding the data conversion and to analyze its output display.
CO4	Gaining the knowledge about the different types of transducers and sensors.

Course Articulation Matrix- course code-232630												
Course outcomes	Program outcomes											
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	3	2	2	2	2	2	2	1	2	2	2	2
CO2	3	2	2	2	2	2	2	1	2	2	2	2
CO3	3	2	2	2	2	2	2	1	2	2	2	2
CO4	3	2	2	2	2	2	2	1	2	2	2	2
Weighted average	3	2	2	2	2	2	2	1	2	2	2	2

BACHELOR OF COMPUTER APPLICATION

DEPARTMENT OF COMPUTER APPLICATION

Program Outcomes:

1. Domain knowledge: Acquiring knowledge on basics of Computer Science and ability to apply to design principles in the development of solutions for problems of varying complexity.
2. Problem Analysis: Improved reasoning with strong mathematical ability to Identify, formulate and analyze problems related to computer science and exhibiting a sound knowledge on data structures and algorithms.
3. Design and Development of Solutions: Ability to design and development of algorithmic solutions to real world problems and acquiring a minimum knowledge on statistics and optimization problems. Establishing excellent skills in applying various design strategies for solving complex problems.
4. Investigation: Acquiring sufficient knowledge in computer science and Applications and able to think Independently.
5. Modern Tool Usage: Identify, select and use a modern scientific and IT tool or technique for modeling, prediction, data analysis and solving problems in the area of Computer Science and making them mobile based application software.
6. Computer and Society: An ability to analyze impacts of computing on individuals, organizations, and society.
7. Environment and sustainability: Preserving Environment and to define sustainability and identify major sustainability challenges.
8. Moral and Ethical values: Exhibiting professional ethics to maintain the integrity in a working environment and also have concern on societal impacts due to computer based solutions for problems.
9. Individual and Team work: Individual contribution and to achieve a common goal.
10. Communication: Gaining good communication knowledge both in oral and writing.
11. Project Management and Finance: Practicing of existing projects and becoming independently launch own project by identifying a gap in solutions and manage finance efficiently.
12. Lifelong Learning: Continuous independent learner.

Syllabus for BCA I and II Semester

Semester I

Course Code: 215129	Course Title: Fundamentals of Computers Information Technology Lab
Course Credits: 05 (3:0:2)	Hours of Teaching/Week: 03 Theory + 4 Lab
Total Contact Hours: 42 Theory 56 Lab	Formative Assessment Marks: 40 Theory 25 Practical
Exam Duration: 2 Hours 3 Hours	Semester End Exam Marks: 60 (Theory) 25 (Lab)

Course Outcomes (COs):

CO1: Imbibe the basics of computers, programming languages and performing tasks on office automation tools.

CO2: Analyze and apply the knowledge of computer hardware and operating system.

CO3: Formulate the practical and conceptual applicability of DBMS concepts and opinions about impact of internet on society while being ethical.

Course Articulation Matrix-215129

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	2	3	2	2	2	1	1	2	3	-	3
CO2	2	1	2	1	1	-	1	-	2	1	-	1
CO3	2	1	-	1	1	2	1	1	-	-	1	3
W. A	2.33	1.33	2.5	1.33	1.33	2	1	1	2	2	1	2.33

Course Code: 215130	Course Title: Programming in C C Programming Lab
Course Credits: 05 (3:0:2)	Hours of Teaching/Week: 03 Theory + 4 Lab
Total Contact Hours: 42 Theory 56 Lab	Formative Assessment Marks: 40 Theory 25 Practical
Exam Duration: 2 Hours 3 Hours	Semester End Exam Marks: 60 (Theory) 25 (Lab)

Course Outcomes:

CO1: Acquire Knowledge on basis of C Programming, Input output statements Operators and Expressions and Design solution using same.

CO2: Design and Implement solution using Control structures, Array and Strings.

CO3: Develop solution for Computational task using Pointer, Functions, Structure and Union.

Course Articulation Matrix-215130

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	2	3	1	2	1	2	2	2	-	-	-
CO2	2	2	3	1	3	2	3	-	2	-	1	1
CO3	2	2	2	2	2	1	-	1	1	2	1	-
W.A	2.33	2	2.66	1.33	2.33	1.33	2.5	1.5	1.66	2	1	1

Semester II

Course Code: 215229	Course Title: Discrete Mathematical Structures
Course Credits: (3:0:0)	Hours of Teaching/Week: 03 Theory
Total Contact Hours: 42 Theory	Formative Assessment Marks: 40 Theory
Exam Duration: 2 1/2 Hours	Semester End Exam Marks: 60 (Theory)

Course Outcomes:

CO1: Develops basic concepts of Mathematical Reasoning, Sequences, Permutations and Combinations. Functions. Analyze and convert statements to expressions and vice versa, solve problems related to connectives, predicates and quantifiers. Apply Rules of inference, acquire proof and its strategies. Implement the Pigeon hole Principle.

CO2: Acquire basics of Mathematical Induction, Generating functions. Apply concepts of Recurrence relations, Linear recurrence, Divide and conquer, recursive algorithms.

CO3: Gains knowledge on basics of Relations, representation and its operations. Basics of Graph theory, its terminologies, Calculates shortest path, Euler path, Hamiltonian path.

Course Articulation Matrix -215229

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	3	2	1	-	-	1	-	-	-	-	1
CO2	2	2	2	1	-	-	1	-	-	-	-	1
CO3	3	2	2	1	-	-	1	-	-	-	-	1
WA	2.3	2.3	2	1	-	-	1	-	-	-	-	1

Course Code: 215230	Course Title: Data Structures using C Data Structure Lab
Course Credits: 05 (3:0:2)	Hours of Teaching/Week: 03 Theory + 4 Lab
Total Contact Hours: 42 Theory 56 Lab	Formative Assessment Marks: 40 Theory 25 Practical
Exam Duration: 2 Hours 3 Hours	Semester End Exam Marks: 60 (Theory) 25 (Lab)

Course Outcomes (CO's):

CO1: Acquire knowledge on different data structures along with their operations. Implement dynamic memory allocation, Recursion and Arrays with illustrations. Design algorithms for specific problems based on performance.

CO2: Implement different searching and sorting techniques effectively. Design and implement stacks and queues.

CO3: Analyze and implement linked lists and binary trees in real world scenarios.

COURSE ARTICULATION MATRIX-215230

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	2	3	2	2	1	1	1	2	1	2	3
CO2	2	2	3	1	2	1	1	1	2	1	2	3
CO3	2	2	3	1	2	2	1	1	3	1	3	3
W.A	2	2	3	1.33	2	1.33	1	1	2.33	1	2.33	3

Course Code: 215231	Course Title: Object Oriented concepts using java
Course Credits: 05 (3:0:2)	Hours of Teaching/Week: 03 Theory + 4 Lab
Total Contact Hours: 42 Theory 56 Lab	Formative Assessment Marks: 40 Theory 25 Practical
Exam Duration: 2 Hours 3 Hours	Semester End Exam Marks: 60 (Theory) 25 (Lab)

Course Outcomes:

CO1: Acquire Knowledge on basis of introduction of java, objects and classes and design solution using datatypes and loops in java.

CO2: Design and Implement solution using inheritance, polymorphism and multithreading concepts.

CO3: Develop and design the solution on event handling, GUI programming and input output programming

COURSE ARTICULATION MATRIX-215231

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	2	3	1	2	2	1	2	3	1	2	1
CO2	2	2	2	1	2	1	1	1	3	1	2	2
CO3	2	2	3	1	2	1	1	1	2	1	1	1
W.A	2	2	2.66	1	2	1.33	1	1.33	2.66	1	1.66	1.66

Course Code: OE210EBCA101	Course Title: BUSINESS INTELLIGENCE (Open Elective)
Course Credits: (3:0:0)	Hours of Teaching/Week: 03 Theory
Total Contact Hours: 42 Theory	Formative Assessment Marks: 40 Theory
Exam Duration: 2 1/2 Hours	Semester End Exam Marks: 60 (Theory)

Course Outcomes (COs):

CO1: Develops basic concepts on Business Intelligence, Business Intelligence systems, databases, data warehouses, data analysis, applications of Data Mining, Data Warehouse and Data Marts and knowing Decision support systems.

CO2: Comprehending the basics of OLTP and OLAP and its applications, types of Digital data, its characteristics and its comparison.

CO3: Knowing the uses of Business analytics and Business Intelligence, and its differences, applications of Business Intelligence and Business Analytics, BI Data Processing techniques, Basics of Enterprise Reporting.

Course Articulation Matrix - OE210EBCA101

	PO 1	PO2	PO 3	PO 4	PO5	PO 6	PO7	PO8	PO9	PO1 0	PO1 1	PO1 2
CO 1	1	1	2	-	-	-	-	-	-	-	-	1
CO 2	1	1	2	-	-	1	-	-	-	-	-	1
CO 3	1	1	2	1	1	1	1	1	1	1	1	1
WA	1	1	2	0.3	0.3	0.6	0.3	0.3	0.3	0.3	0.3	1

Syllabus for BCA III and IV Semester

Semester: III

Course Code: 215329	Course Title: Database Management Systems Database Management Systems Lab
Course Credits: 05 (3:0:2)	Hours of Teaching/Week: 03 Theory + 4 Lab
Total Contact Hours: 42 Theory 56 Lab	Formative Assessment Marks: 40 Theory 25 Practical
Exam Duration: 2 Hours 3 Hours	Semester End Exam Marks: 60 (Theory) 25 (Lab)

Course Outcomes (COs):

CO1: Summarize the concepts of database objects enforce integrity constraints on a database make use of ER diagram and types of relationships and roles of structural constraints degree and cardinality ratio.

CO2: Structured Query Language (SQL) for database manipulation Design simple database systems for some application to interact with databases and solve queries on relation algebra.

CO3: Implement normalization algorithms using database design theory for different applications analyze and implement transaction processing, concurrency control and database recovery protocols in databases.

COURSE ARTICULATION MATRIX-225329

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	2	3	1	2	1	1	1	3	2	2	3
CO2	3	2	3	1	2	1	1	1	2	1	2	3
CO3	3	2	3	1	3	2	1	1	3	1	3	3
W.A	3	2	3	1	2.33	1.33	1	1	2.66	1.33	2.33	3

Course Code: 215330	Course Title: C# and .Net Technologies C# and .Net Technologies Lab
Course Credits: 05 (3:0:2)	Hours of Teaching/Week: 03 Theory + 4 Lab
Total Contact Hours: 42 Theory 56 Lab	Formative Assessment Marks: 40 Theory 25 Practical
Exam Duration: 2 Hours 3 Hours	Semester End Exam Marks: 60 (Theory) 25 (Lab)

Course Outcomes (CO's):

CO1: Acquire Knowledge on web Technologies, client Server Script and implementing programson c#.

CO2: Applying the concept on VB.Net & IDE and implementing docking & undockingTools. Designing and developing VB.net Statements.

CO3: Designing on windows Application and implementing on window forms, DataBase Application& Acquiring knowledge on BDO.Net and Implementing on web APP with web forms.

COURSE ARTICULATION MATRIX-225330

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	P011	PO12
CO1	2	2	3	1	1	2	1	1	2	1	2	2
CO2	2	2	3	1	2	1	1	1	3	2	3	2
CO3	2	2	3	1	3	1	1	1	3	2	3	2
W.A	2	2	3	1	2	1.33	1	1	2.6	1.66	2.6	2

Course Code: 225331	Course Title: Computer Networks
Course Credits: (3:0:0)	Hours of Teaching/Week: 03 Theory
Total Contact Hours: 42 Theory	Formative Assessment Marks: 40 Theory
Exam Duration: 2 1/2 Hours	Semester End Exam Marks: 60 (Theory)

Course Outcomes (COs):

CO1: Acquire knowledge of how computer network and physical layer organization with the concept of layered approach.

CO2: Apply the concept of data link and network layer of network model in solving real-time problems.

CO3: Identify and employ the top 3 layer of network model along with the skills in analyzing usability of web

COURSE ARTICULATION MATRIX-225331

	PO 1	PO 2	PO3	PO 4	PO 5	PO6	PO 7	PO 8	PO9	PO1 0	PO1 1	PO1 2
CO1	2	1	2	1	3	2	-	-	2	2	2	3
CO2	-	3	3	2	2	-	-	-	2	3	1	2
CO3	3	2	1	3	3	1	1	1	2	3	-	3
W. A	2.5	2	2	2	2.6	1.5	1	1	2	2.6	1.5	2.6

Course Code: 215433	Course Title: Python Programming Python Programming Lab
Course Credits: 05 (3:0:2)	Hours of Teaching/Week: 03 Theory + 4 Lab
Total Contact Hours: 42 Theory 56 Lab	Formative Assessment Marks: 40 Theory 25 Practical
Exam Duration: 2 Hours 3 Hours	Semester End Exam Marks: 60 (Theory) 25 (Lab)

Course Outcomes (COs):

CO1: Acquiring knowledge on features and application of python and types of control flow statements of python, defining on exception handling and python functions.

CO2: Identifying, designing and developing strings, lists, tuples and sets.

CO3: Designing and developing GU Interface, Data Analysis and Data Visualization.

Course Articulation Matrix-225433

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	1	-	-	1	-	1	-	-	1	1	1
CO2	2	3	1	1	1	-	1	-	1	1	2	1
CO3	2	2	3	1	3	2	2	2	2	1	3	2
W.A	2	2	2	1	1.66	2	2	2	1.5	1	2	2

Course Code: 215434	Course Title: Multimedia Animation Multimedia Animation Lab
Course Credits: 05 (3:0:2)	Hours of Teaching/Week: 03 Theory + 4 Lab
Total Contact Hours: 42 Theory 56 Lab	Formative Assessment Marks: 40 Theory 25 Practical
Exam Duration: 2 Hours 3 Hours	Semester End Exam Marks: 60 (Theory) 25 (Lab)

Course Outcomes (COs):

CO1: Participate in the planning and implementation of animation projects, develop and execute believable animation sequences.

CO2: Create animation sequences that employ basic cinematography principles and skills to create, develop and execute animation sequences.

CO3: Apply performance theory to the creation of animation also Produce layouts and backgrounds with Attention to composition, perspective and color .

Course Articulation Matrix-225434

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO1 0	PO1 1	PO1 2
CO1	3	2	3	1	2	1	1	1	2	2	1	2
CO2	2	2	1	1	3	-	1	1	2	1	2	2
CO3	2	2	2	2	2	2	1	1	2	-	2	2
W.A	2.33	2	2	1.33	2.33	1.5	1	1	2	1.5	1.6	2

Course Code: 225435	Course Title: Operating System Concepts
Course Credits: (3:0:0)	Hours of Teaching/Week: 03 Theory
Total Contact Hours: 42 Theory	Formative Assessment Marks: 40 Theory
Exam Duration: 2 1/2 Hours	Semester End Exam Marks: 60 (Theory)

Course Outcomes (COs):

CO1: Acquiring knowledge on basics of operating system their types and functioning.
Optimize system performance using CPU scheduling and process management concepts.
CO2: Apply the concept of deadlock and storage management technologies.
CO3: Analyze and design the solution for the problems based on virtual memory.

COURSE ARTICULATION MATRIX-225435

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO 1	2	1	2	2	2	1	1	1	1	1	1	2
CO 2	2	2	2	2	1	1	1	1	1	2	2	2
CO 3	2	2	2	1	2	1	1	1	2	1	2	2
W. A	2	1.66	2	1.66	1.66	1	1	1	1.33	1.33	1.66	2

DSC (13) Design and Analysis of Algorithm Semester V

Course Code: 235529	Course Title: DSC (13) Design and Analysis of Algorithm DSC(13)-Lab Design and Analysis of Algorithm laboratory
CourseCredits: 04	Hours of Teaching/Week: 04Theory+4Lab
TotalContactHours: 60Theory 60 Practical	FormativeAssessmentMarks: 40Theory FormativeAssessmentMarks: 25 Lab
ExamDuration: 21/2Hours 3Hours	Semester End ExamMarks: 60(Theory) 25(Lab)

Course Outcomes(COs):

CO1: Understand the fundamental concepts of algorithms and their complexity, including time and space Complexity, worst-case and average-case analysis, and Big-O notation.

CO2: Analyze the brute force approach and Decrease and conquer.

CO3: Analyze and compare the time and space complexity of algorithms with other algorithmic techniques.

CO4: Evaluate the performance of Sorting, Searching, Graph traversal, Decrease-and-Conquer, Divide-and-Conquer and Greedy Technique and Apply various algorithm design to real-world problems and evaluate their effectiveness

Course Articulation Matrix-235529

	PO1	PO2	PO3	PO4	PO5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	2	2	1	2	1	1	-	1	-	1	-	1
CO2	2	1	-	2	-	1	1	1	2	1	1	1
CO3	2	1	-	2	-	1	-	1	-	1	-	1
CO4	2	1	3	2	1	2	2	1	1	-	2	1
W. A	2	1.2 5	1	2	0.5	1. 25	0. 6	1	0.7 5	0.7 5	0.7 5	1

DSC (14) Statistical Computing & R Programming Semester V

Course Code: 235530	Course Title: DSC (14) Statistical Computing & R Programming R Programming Lab
Course Credits: 04	Hours of Teaching/Week: 04Theory+4Lab
Total Contact Hours: 60Theory 60 Practical	Formative Assessment Marks: 40Theory Formative Assessment Marks: 25 Lab
Exam Duration: 2 ^{1/2} Hours 3Hours	Semester End Exam Marks: 60(Theory) 25(Lab)

Course Outcomes:

CO1: Explore fundamentals of statistical analysis in the R environment and understand key terminologies, concepts and techniques employed in Statistical Analysis.

CO2: Define Calculate Implement Probability and Probability Distributions to solve a wide variety of problems.

CO3: Conduct and interpret a variety of Hypothesis Tests to aid Decision Making.

CO4: Understand, Analyze, and Interpret Correlation Probability and Regression to analyses the under lying relationships between different variables.

Course Articulation Matrix-235530

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	2	2	1	2	1	1	1	-	-	-	-	1
CO2	2	2	1	2	1	1	1	1	3	-	-	1
CO3	2	2	2	2	1	1	1	1	3	1	3	3
CO4	2	2	2	3	1	1	1	-	3	1	3	3
W. A	2	2	1.5	2	1	1	1	.5	2.25	.5	1.5	2

DSC(15)Software Engineering Semester V

Course Code:235531

**Course Title: DSC(15)Software
Engineering**

CourseCredits:04

Hours of Teaching/Week:04 Theory

TotalContactHours:60Theory

FormativeAssessmentMarks:40Theory

Exam Duration: 2^{1/2} 3 Hours

Semester End ExamMarks:60(Theory)

Course Outcomes:

CO1: Assess professional and ethical responsibility. Use the techniques, skills and modern engineering tools necessary for software engineering practice.

CO2: Design a software system, component or process to meet the desired needs within realistic constraints.

CO3: Differentiate system models. Use UML diagrams and apply design patterns.

CO4: Illustrate different testing techniques.

CourseArticulationMatrix235531

	PO 1	PO 2	PO 3	PO 4	PO 5	PO6	PO7	PO8	PO9	PO1 0	PO1 1	PO1 2
CO1	2	1	3	1	2	3	3	3	2	2	1	2
CO2	1	2	3	2	2	2	1	2	2	2	2	3
CO3	1	2	3	2	2	1	1	1	2	1	2	3
CO4	1	2	2	3	2	1	2	1	2	1	2	3
W.A	1.25	1.75	2.75	2	2	1.75	1.75	1.75	2	1.5	1.75	2.75

DSE (1)Cloud Computing Semester V

Course Code:23DSEBCA01 **Course Title: DSE (1)Cloud Computing**

CourseCredits:03 **Hours of Teaching/Week:03 Theory**

TotalContactHours:45Theory **FormativeAssessmentMarks:40Theory**

Exam Duration: 2 ½ Hours **Semester End ExamMarks:60(Theory)**
3Hours

Course Outcomes(COs):

CO1: Acquiring knowledge on cloud computing basics, different computing paradigms, applications of cloud in Scientific, Geoscience, Business and Customer applications.

CO2: Analyzing the cloud architecture with different Cloud Service Models and Visualization concept.

CO3: Implementing the cloud application programming, Aneka platform and other management tools in industry such as Amazon Web Service, Google App Engine and Microsoft Azure.

CourseArticulationMatrix-23DSEBCA01

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	P0 11	PO 12
CO1	1	-	1	2	1	2	1	-	2	2	1	2
CO2	1	-	1	-	2	1	-	-	2	2	2	2
CO3	2	1	3	1	3	2	1	1	2	2	2	2
W.A	1.33	0.33	1.66	1	2	1.66	0.66	0.33	2	2	1.66	2

DSE (2)Business Intelligence

Semester V

Course Code: 23DSEBCA02	Course Title: DSE (2)Business Intelligence
CourseCredits: 03	Hours of Teaching/Week: 03 Theory
TotalContactHours: 45Theory	FormativeAssessmentMarks: 40Theory
ExamDuration: 21/2Hours 3 Hours	Semester End ExamMarks: 60(Theory)

Course Outcomes:

CO1: Describe the Decision Support systems and Business Intelligence framework.

CO2: Explore knowledge management, explain its activities, approaches and its implementation.

CO3: Describe business intelligence, analytics, and decision support systems.

Course Articulation Matrix-23DSEBCA02

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	1	1	1	1	1	1	1	1		1		1
CO2	1	1	1	1	1	1	1	1	2	1	2	2
CO3	1	1	1	2	1	1	1	1	2	1	2	2
W. A	1	1	1	1.3	1	1	1	1	1.3	1	1.3	1.7

VOC(1)Digital Marketing

Semester V

Course Code:23VOCBCA01

Course Title: VOC(1)Digital Marketing

Course Credits:03

Hours of Teaching/Week:03 Theory

Total Contact Hours:45 Theory

Formative Assessment Marks:40 Theory

Exam Duration:2 ½ Hours
3 Hours

Semester End Exam Marks:60(Theory)

Course Outcomes:

CO1: Acquiring knowledge on fundamental concepts of digital marketing and its importance, developing strategies, objectives and campaign planning.

CO2: Analyzing social media marketing, advertising, email marketing, content marketing and applying strategies and techniques within each of these digital marketing channels.

CO3: Analyzing mobile marketing and implementing various analytical tools, reporting and data visualization.

Course Articulation Matrix-23VOCBCA01

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	2	1	2	1	1	2	1	2	2	1	1	2
CO2	1	1	1	2	2	3	2	2	2	3	1	1
CO3	1	2	2	2	3	1	1	1	3	2	1	2
W.A	1.33	1.33	1.66	1.66	2	2	1.33	1.66	2.33	2	1	1.66

DSC(16)Artificial Intelligence and Application

Semester VI

Course Code:235629	Course Title: DSC(16)Artificial Intelligence and Application
CourseCredits:04	Hours of Teaching/Week:04 Theory
TotalContactHours:60Theory	FormativeAssessmentMarks:40Theory
ExamDuration:2^{1/2} Hours	Semester End ExamMarks:60(Theory)
3 Hours	

Course Outcomes:

CO1: Understand the historical perspective of AI and its foundations.

CO2: Implement the basic principles and strategies of AI towards problem solving.

CO3: Apply approaches of knowledge representation.

CO4: Differentiate the various forms of learning. Illustrate the different applications of AI.

Course Articulation Matrix-235629

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	2	1	1	2	1	2	1	1	2	2	1	3
CO2	1	3	2	1	2	2	2	1	2	2	1	2
CO3	2	1	1	1	3	2	1	1	2	1	1	2
CO4	2	1	1	2	3	2	2	1	2	2	1	3
W.A	1.7	1.5	1.2	1.5	2.2	2	1.5	1	2	1.75	2	2.5

DSC (17) PHP & MYSQL Semester VI

Course Code: 235630	Course Title: DSC (17) PHP & MYSQL PHP & MYSQL LAB
Course Credits: 04	Hours of Teaching/Week: 04 Theory
Total Contact Hours: 60 Theory 60 Lab	Formative Assessment Marks: 40 Theory Formative Assessment Marks: 25 Lab
Exam Duration: 2 ^{1/2} Hours 3 Hours	Semester End Exam Marks: 60 (Theory) 25 (Lab)

Course Outcomes(COs):

CO1: Illustrate the basic Concepts of PHP.

CO2: Understanding the Function and applying Object oriented programming techniques.

CO3: Organizing PHP concepts in creating the HTML forms.

CO4: Programming a Database using PHP with MySQL.

Course Articulation Matrix-235630

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	1	1	2	1	1	1	1	1	1	2	2	1
CO2	2	2	2	1	2	1	-	-	1	2	2	2
CO3	2	2	3	-	2	1	-	-	2	2	2	3
CO4	2	2	2	2	2	2	2	1	2	2	2	3
W.A	1.7	1.7	2.2	1.3	1.7	1.25	1.5	1	1.5	2	2	2

DSE(3)Fundamentals of Data Science

Semester VI

Course Code:23DSEBCA03 **Course Title: DSE(3)Fundamentals of Data Science**

CourseCredits:03 **Hours of Teaching/Week:03 Theory**
TotalContactHours:45Theory **FormativeAssessmentMarks:40Theory**

ExamDuration:2 ½ Hours **Semester End ExamMarks:60(Theory)**
3Hours

Course Outcomes:

CO1: Understand the Concepts of Data

CO2: Understanding data pre-processing and mining frequent patterns.

CO3: Analyzing the classification and clustering methods.

Course Articulation Matrix-23DSEBCA03

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	1	2	2	1	1	1	1	1	1	1	2	3
CO2	2	2	2	2	2	1	1	1	1	2	2	3
CO3	2	2	3	1	2	1	1	1	2	2	2	3
W.A	1.6	2	5	1.3	1.6	1	1	1	1.3	1.6	2	3

DSE (4) Mobile Application Development

Semester VI

Course Code:23DSEBCA04

Course Title: DSE (4)

Mobile Application Development

CourseCredits:03

Hours of Teaching/Week:03 Theory

TotalContactHours:45Theory

FormativeAssessmentMarks:40Theory

Exam Duration:

Semester End ExamMarks:60(Theory)

2Hours 3Hours

Course Outcomes:

CO1: Acquiring knowledge on android development and android studio. Create, test and debug android application by setting up android development environment.

CO2: Analyzing android application design essentials, android user interface design essential sand techniques for designing and developing sophisticated mobile interfaces.

CO3: Analysis of mobile application for the android operating system and deploy application to the android market place for distribution

COURSE ARTICULATION MATRIX-23DSEBCA04

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	1	2	-	2	-	-	-	1	-	1	1
CO2	2	2	3	2	2	-	1	-	2	1	1	2
CO3	2	2	2	2	1	3	1	3	2	3	2	3
W.A	2	1.66	2.33	1.33	1.66	1	0.66	1	1.66	1.33	1.33	2

VOC(2)Web Content Management System Semester VI

Course Code: 23VOCBCA02	Course Title: VOC(2)Web Content Management System
CourseCredits: 03	Hours of Teaching/Week: 03 Theory
TotalContactHours: 45Theory	FormativeAssessmentMarks: 40Theory
Exam Duration: 2 Hours 3Hours	Semester End ExamMarks: 60(Theory)

Course Outcomes:

CO1: Understanding the content of development basics, Acquiring knowledge on tools for multimedia content development for audio/ video, graphics , animations, presentations, screen casting, editing, and web hosting.

CO2: Analyzing the Host websites and develop content for social media platforms such as wiki and managing a blog site. Analyzing the knowledge on Presentation Software, screen casting tools and techniques.

CO3: Understanding e-publications and virtual reality applications, 2D and 3D Animations Implementations of e-learning platform Moodle and CMS applications Drupal and Joomla

COURSE ARTICULATION MATRIX:-23VOCBCA02

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	PO 11	PO 12
CO1	1	1	1	2	2	2	1	-	2	2	1	2
CO2	1	1	2	1	2	2	1	-	2	2	2	2
CO3	2	1	3	1	3	2	1	1	2	2	3	2
W.A	1.33	1	2	1.33	2.33	2	1	0.33	2	2	2	2

BACHELOR OF ARTS

Program Outcomes (POs) for Bachelor of Arts

PO1	Domain Knowledge: Inculcation of fundamental concepts, principles, methods and the application of the same in the realm of concerned domain.
PO2	Problem Analysis: This programme enhances the ability to define, identify and analyze appropriate means towards amicable solutions in the given area of Knowledge.
PO3	Design & Development of Solutions: Structuring theoretical knowledge and developing customized designs in terms of – Intervention strategies, Profiling, Reviews, Archives, Marketing strategies, Info-graphics and Approaches for arriving at relevant and desirable solutions.
PO4	Research & Investigation: Knowledge and application of “Research Methods” to investigate domain specific problems and derive scientific conclusions through testing of Hypotheses and relevant findings empirically.
PO5	Usage of Modern Tools and Techniques: Mastery in the academic enclave through skilled handling administering, assessing, validating and interpreting complex phenomena using advanced tools and techniques to create simple and sustainable solutions.
PO6	Social Sciences & Society – Promotes domain specific literacy to illuminate the significance of each discipline and its applicability for the well-being of Society.
PO7	Environment and Sustainability: Contemplate and Introspect prevailing environmental challenges and consequences. Further, channelize initiatives towards sustainability.
PO8	Moral and Ethical Values: Application of Professional Ethics, Humanitarian Values, Accountability and Social Responsibilities in emerging society towards attainment of harmony and co-existence.
PO9	Individual and Teamwork: Imbibe the qualities of Teamwork and function effectively as an emerging leader in the diversified and multidisciplinary areas.
PO10	Communication: Demonstrates Competency in comprehending and conceptualizing discipline specific concepts and ideas and communicates effectively through fluid communication within the professional and social setup.
PO11	Economics and Project Management: Understand the Economic Concept in the context of specific discipline and apply the same through initiating Planning, and Executing the Project Dynamics effectively towards successful Project Management.
PO12	Lifelong Learning: Identify and address their own educational needs in a changing world in ways sufficient to upgrade ones skills and competencies through constant self-evaluation and eternal learning.

DEPARTMENT OF CRIMINOLOGY AND FORENSIC SCIENCE

DSC (3) Syllabus for B.A Criminology and Forensic Science (Basic and Honors)

Course Code : 221372	Course Title : DSC (3) Police Science and Criminal Investigation (Theory) DSC (3) Lab -Police Science and Criminal Investigation
Course Credits : 06 (4:0:2)	Hours of Teaching/ Week : 04 (Theory) 04 (Practical)
Total Contact Hours : 56 Hours (Theory) 56 Hours (Practical)	Formative Assessment Mark : 40 (Theory) 25(Practical)
Exam Duration : 2 ½ Hours (Theory) 3 Hours (Practical)	Semester End Examination Marks : 60 (Theory) 25 (Practical)

Course Outcomes (COs):

CO1: Recognize the idea behind police science, its role in preventing crime, conducting investigations, and preserving a stable social order.

CO2: Gain expertise of maintaining law and order, enforcing national laws, and managing the police administration.

CO3: Being aware of the many difficulties that police officers encounter on a daily basis.

CO4: Learn about the many sorts of crime scenes, investigations, and the legal processes that surround them.

Course Articulation Matrix - 221472

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	2	2	2	3	3	2	1	3	3	2	3	3
CO2	2	2	3	3	3	2	1	3	3	2	3	3
CO3	3	3	3	3	3	3	1	3	3	3	3	3
CO4	3	3	3	3	3	3	1	3	3	3	3	3
Weighted Average	2.5	2.5	2.75	3	3	2.5	1	3	3	2.5	3	3

DSC (3) Syllabus for B.A Criminology and Forensic Science (Basic and Honors)

Course Code : 221373	Course Title : DSC (3)Law of Prints and Impression (Theory) DSC (3)Lab-Law of Prints and Impression
Course Credits : 06 (4:0:2)	Hours of Teaching/ Week : 04 (Theory) 04 (Practical)
Total Contact Hours : 56 Hours (Theory) 56 Hours (Practical)	Formative Assessment Mark : 40 (Theory) 25(Practical)
Exam Duration : 2 ½ Hours (Theory) 3 Hours (Practical)	Semester End Examination Marks : 60 (Theory) 25 (Practical)

Course Outcomes (CO's):

CO1: Recognize the numerous print and impression kinds, which are crucial for inspection, suspect identification, and their forensic significance in court.

CO2: Specify the fingerprint type, identification, pattern categorization, and ridge features.

CO3: Using physical and chemical techniques to comprehend the various sorts of chance prints and howthey arise.

CO4: Learn about additional impressions and prints, such as footprints, tyre marks, and lip prints, andtheir significance.

Course Articulation Matrix: 221373

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	3	1	1	3	3	1	1	2	3	1	1	2
CO2	3	3	3	3	3	2	1	2	3	2	2	2
CO3	3	3	3	3	3	2	2	2	3	2	2	2
CO4	3	3	3	3	3	2	2	2	3	2	2	3
Weighted Average	3	2.5	2.5	3	3	1.75	1.5	2	3	1.75	1.75	2.25

OE (3) Syllabus for All Programs (Except B A)

Course Code: 22OECRI301	Course Title : OE 3:Gender and Crime (Theory)
Course Credits : 03 (3:0:0)	Hours of Teaching/ Week : 03 (Theory)
Total Contact Hours : 42 Hours (Theory)	Formative Assessment Mark : 40 (Theory)
Exam Duration : 2 ½ Hours (Theory)	Semester End Examination Marks : 60 (Theory)

Course Outcomes (CO's):

CO1: Recognize the significance, character, and extent of crime and gender equality.

CO2: Elucidate the difficulties in explaining how gender affects crime from a criminological Perspective

CO3: Being aware of the numerous trends in gender-related crime and how to prevent it &outline the different gender-related crimes committed against minors.

Course Articulation Matrix-22OECRI301

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	2	2	2	-	-	2	1	1	1	1	2	2
CO2	2	2	3	2	2	3	1	2	2	2	2	2
CO3	3	3	3	2	3	3	2	2	2	2	3	2
Weighted Average	2.3	2.3	2.6	2	2.5	2.6	1.3	1.6	1.6	1.6	2.3	2

OE (3) Syllabus for All Programs (Except B A)

Course Code: 22OECRI302	Course Title : OE 3 :Crime Scene Investigation (Theory)
Course Credits : 03 (3:0:0)	Hours of Teaching/ Week : 03 (Theory)
Total Contact Hours : 42 Hours (Theory)	Formative Assessment Mark : 40 (Theory)
Exam Duration : 2 ½ Hours (Theory)	Semester End Examination Marks : 60 (Theory)

Course Outcome (CO's):

CO1: Be familiar with the techniques for securing, searching, and recording crime scenes.

CO2: Able to perform the skill of gathering, protecting, and packing various kinds of physical and trace evidence at crime scenes.

CO3: Explain the significance of chain of custody in legal terms , recognize the methods and equipment used in the analysis of various types of evidence found at crime scenes.

Course Articulation Matrix-22OECRI302

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	2	3	2	3	3	2	1	2	3	1	3	2
CO2	3	3	3	3	3	2	2	2	3	2	3	3
CO3	3	3	3	3	3	2	2	2	3	2	3	3
Weighted Average	2.6	3	2.6	3	3	2	1.6	2	3	1.6	3	2.6

DSC (4) Syllabus for B.A Criminology and Forensic Science (Basic and Honors)

Course Code : 221472	Course Title : DSC(4):Correctional Administration (Theory) DSC (4): Lab -Correctional Administration
Course Credits : 06 (4:0:2)	Hours of Teaching/ Week : 04 (Theory) 04 (Practical)
Total Contact Hours : 56 Hours (Theory) 56 Hours (Practical)	Formative Assessment Mark : 40 (Theory) 25(Practical)
Exam Duration : 2 ½ Hours (Theory) 3 Hours (Practical)	Semester End Examination Marks : 60 (Theory) 25 (Practical)

Outcomes (CO's):

CO1: The importance, nature, and application of criminology and the criminal justice system.

CO2: Outline the ideas and different forms of punishments used in India and other countries in the past and now.

CO3: Explaining the jail as a correctional facility, its varieties the laws that govern it.

CO4: Being aware of the principles underlying alternatives to institutional care for prisoners.

Course Articulation Matrix - 221472

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	3	2	2	2	2	3	1	2	2	1	1	2
CO2	3	2	3	3	3	3	2	2	3	2	2	2
CO3	3	3	3	3	3	3	2	2	3	3	2	3
CO4	3	3	3	3	3	3	2	3	3	3	2	3
Weighted Average	3	2.5	2.75	2.75	2.75	3	1.75	2.25	2.75	2.25	1.75	2.5

DSC (4) Syllabus for B.A Criminology and Forensic Science (Basic and Honors)

Course Code : 221473	Course Title : DSC (4) Forensic Psychology and Criminal Profiling (Theory) DSC (4) Lab -Forensic Psychology and Criminal Profiling
Course Credits : 06 (4:0:2)	Hours of Teaching/ Week : 04 (Theory) 04 (Practical)
Total Contact Hours : 56 Hours (Theory) 56 Hours (Practical)	Formative Assessment Mark : 40 (Theory) 25(Practical)
Exam Duration : 2 ½ Hours (Theory) 3 Hours (Practical)	Semester End Examination Marks : 60 (Theory) 25 (Practical)

Course Outcomes (CO's):

CO1: Have a basic understanding of forensic psychology, including its applications and legal ramifications.

CO2: Exemplify the role of psychological testing and criminal profiling in predicting criminal behaviour.

CO3: Providing an explanation of the methods and tools needed to spot falsehood.

CO4: Comprehending the evaluation of complex forensic methods including Polygraphy, narco-analysis, and brain electrical oscillation patterns.

Course Articulation Matrix - 221473

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	2	2	2	3	2	2	2	1	1	1	1	2
CO2	2	3	3	3	2	2	2	1	2	1	2	2
CO3	3	3	3	3	2	2	2	2	2	2	2	3
CO4	3	3	3	3	3	3	2	2	2	2	2	3
Weighted Average	2.5	2.75	2.75	3	2.25	2.25	2	1.5	1.75	1.5	1.75	2.5

**OE (4) Syllabus for All Programs
(Except B A) Course**

Course Code: 22OECRI401	Course Title : OE(4):Child Protection Laws (Theory)
Course Credits : 03 (3:0:0)	Hours of Teaching/ Week : 03 (Theory)
Total Contact Hours : 42 Hours (Theory)	Formative Assessment Mark : 40 (Theory)
Exam Duration : 2 ½ Hours (Theory)	Semester End Examination Marks : 60 (Theory)

Course Outcomes (CO's):

CO1: Acknowledging the legal and constitutional concept of a kid, as well as the issues and difficulties related to their developmental stage.

CO2: Explicate the importance of child protection and the role that various social institutions play in it.

CO3: Being aware of the authority and duties of the Child Welfare Committees and Juvenile Justice Board, which are listed under the former .

CO4: Define the rules and regulations that apply to crimes against children.

Articulation Matrix - 22OECRI401

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	2	2	2	1	2	1	1	2	2	1	1	2
CO2	3	2	2	2	2	2	1	2	2	2	1	2
CO3	3	3	3	2	3	2	1	2	2	2	1	3
Weighted Average	2.6	2.3	2.3	1.6	2.3	1.6	1	2	2	1.6	1	2.3

OE (4) Syllabus for All Programs (Except B A)

Course Code: 22OECRI402	Course Title : OE(4) :Cybercrimes and Cyber law (Theory)
Course Credits : 03 (3:0:0)	Hours of Teaching/ Week : 04 (Theory)
Total Contact Hours : 42 Hours (Theory)	Formative Assessment Mark : 40 (Theory)
Exam Duration : 2 ½ Hours (Theory)	Semester End Examination Marks : 60 (Theory)

Course Outcomes (CO's):

CO1: Have a basic understanding of what computers, networking, and operating systems mean and how they work.

CO2: Identify the many types of cybercrimes and the role that cyber security plays in their detection.

CO3: Know how to detect and examine digital evidence using the many sorts of cyber forensic tools & describe the laws that govern cybercrimes and provide information on how to prevent and detect them.

Course Articulation Matrix -22OECRI402

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	3	2	2	1	3	2	1	2	2	2	2	2
CO2	3	3	2	2	3	2	1	3	3	2	2	2
CO3	3	3	3	3	3	2	1	3	3	2	3	3
Weighted Average	3	2.6	2.3	2	3	2	1	2.6	2.6	2	2.3	2.3

DSC (3) Syllabus for B.A Criminology and Forensic Science (Basic and Honors)

Course Code : 221372	Course Title : DSC (3) Police Science and Criminal Investigation (Theory) DSC (3) Lab -Police Science andCriminal Investigation
Course Credits : 06 (4:0:2)	Hours of Teaching/ Week : 04 (Theory) 04 (Practical)
Total Contact Hours : 56 Hours (Theory) 56 Hours (Practical)	Formative Assessment Mark : 40 (Theory) 25(Practical)
Exam Duration : 2 ½ Hours (Theory) 3 Hours (Practical)	Semester End Examination Marks : 60 (Theory)25 (Practical)

Course Outcomes (COs):

CO1: Recognize the idea behind police science, its role in preventing crime, conducting investigations, and preserving a stable social order.

CO2: Gain expertise of maintaining law and order, enforcing national laws, and managingthe police administration.

CO3: Being aware of the many difficulties that police officers encounter on a daily basis.

CO4: Learn about the many sorts of crime scenes, investigations, and the legal processes that surround them.

Course Articulation Matrix - 221472

CO/P O	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	2	2	2	3	3	2	1	3	3	2	3	3
CO2	2	2	3	3	3	2	1	3	3	2	3	3
CO3	3	3	3	3	3	3	1	3	3	3	3	3
CO4	3	3	3	3	3	3	1	3	3	3	3	3
Weighted Average	2.5	2.5	2.75	3	3	2.5	1	3	3	2.5	3	3

DSC (3) Syllabus for B.A Criminology and Forensic Science (Basic and Honors)

Course Code : 221373	Course Title : DSC (3)Law of Prints and Impression (Theory) DSC (3)Lab-Law of Prints and Impression
Course Credits : 06 (4:0:2)	Hours of Teaching/ Week : 04 (Theory) 04 (Practical)
Total Contact Hours : 56 Hours (Theory) 56 Hours (Practical)	Formative Assessment Mark : 40 (Theory) 25(Practical)
Exam Duration : 2 ½ Hours (Theory) 3 Hours (Practical)	Semester End Examination Marks : 60 (Theory) 25 (Practical)

Course Outcomes (CO's):

CO1: Recognize the numerous print and impression kinds, which are crucial for inspection, suspect identification, and their forensic significance in court.

CO2: Specify the fingerprint type, identification, pattern categorization, and ridge features.

CO3: Using physical and chemical techniques to comprehend the various sorts of chance prints and howthey arise.

CO4: Learn about additional impressions and prints, such as footprints, tyre marks, and lip prints, andtheir significance.

Course Articulation Matrix: 221373

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	3	1	1	3	3	1	1	2	3	1	1	2
CO2	3	3	3	3	3	2	1	2	3	2	2	2
CO3	3	3	3	3	3	2	2	2	3	2	2	2
CO4	3	3	3	3	3	2	2	2	3	2	2	3
Weighted Average	3	2.5	2.5	3	3	1.75	1.5	2	3	1.75	1.75	2.25

OE (3) Syllabus for All Programs (Except B A)

Course Code: 22OECRI301	Course Title : OE 3:Gender and Crime (Theory)
Course Credits : 03 (3:0:0)	Hours of Teaching/ Week : 03 (Theory)
Total Contact Hours : 42 Hours (Theory)	Formative Assessment Mark : 40 (Theory)
Exam Duration : 2 ½ Hours (Theory)	Semester End Examination Marks : 60 (Theory)

Course Outcomes (CO's):

CO1: Recognize the significance, character, and extent of crime and gender equality.

CO2: Elucidate the difficulties in explaining how gender affects crime from a criminological Perspective

CO3: Being aware of the numerous trends in gender-related crime and how to prevent it &outline the different gender-related crimes committed against minors.

Course Articulation Matrix-22OECRI301

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	2	2	2	-	-	2	1	1	1	1	2	2
CO2	2	2	3	2	2	3	1	2	2	2	2	2
CO3	3	3	3	2	3	3	2	2	2	2	3	2
Weighted Average	2.3	2.3	2.6	2	2.5	2.6	1.3	1.6	1.6	1.6	2.3	2

OE (3) Syllabus for All Programs (Except B A)

Course Code: 22OECRI302	Course Title : OE 3 :Crime Scene Investigation (Theory)
Course Credits : 03 (3:0:0)	Hours of Teaching/ Week : 03 (Theory)
Total Contact Hours : 42 Hours (Theory)	Formative Assessment Mark : 40 (Theory)
Exam Duration : 2 ½ Hours (Theory)	Semester End Examination Marks : 60 (Theory)

Course Outcome (CO's):

CO1: Be familiar with the techniques for securing, searching, and recording crime scenes.

CO2: Able to perform the skill of gathering, protecting, and packing various kinds of physical and trace evidence at crime scenes.

CO3: Explain the significance of chain of custody in legal terms , recognize the methods and equipment used in the analysis of various types of evidence found at crime scenes.

Course Articulation Matrix-22OECRI302

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	2	3	2	3	3	2	1	2	3	1	3	2
CO2	3	3	3	3	3	2	2	2	3	2	3	3
CO3	3	3	3	3	3	2	2	2	3	2	3	3
Weighted Average	2.6	3	2.6	3	3	2	1.6	2	3	1.6	3	2.6

DSC (4) Syllabus for B.A Criminology and Forensic Science (Basic and Honors)

Course Code : 221472	Course Title : DSC(4):Correctional Administration (Theory) DSC (4): Lab -Correctional Administration
Course Credits : 06 (4:0:2)	Hours of Teaching/ Week : 04 (Theory) 04 (Practical)
Total Contact Hours : 56 Hours (Theory) 56 Hours (Practical)	Formative Assessment Mark : 40 (Theory) 25(Practical)
Exam Duration : 2 ½ Hours (Theory) 3 Hours (Practical)	Semester End Examination Marks : 60 (Theory) 25 (Practical)

Outcomes (CO's):

CO1: The importance, nature, and application of criminology and the criminal justice system.

CO2: Outline the ideas and different forms of punishments used in India and other countries in the past and now.

CO3: Explaining the jail as a correctional facility, its varieties the laws that govern it.

CO4: Being aware of the principles underlying alternatives to institutional care for prisoners.

Course Articulation Matrix - 221472

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	3	2	2	2	2	3	1	2	2	1	1	2
CO2	3	2	3	3	3	3	2	2	3	2	2	2
CO3	3	3	3	3	3	3	2	2	3	3	2	3
CO4	3	3	3	3	3	3	2	3	3	3	2	3
Weighted Average	3	2.5	2.75	2.75	2.75	3	1.75	2.25	2.75	2.25	1.75	2.5

DSC (4) Syllabus for B.A Criminology and Forensic Science (Basic and Honors)

Course Code : 221473	Course Title : DSC (4) Forensic Psychology and Criminal Profiling (Theory) DSC (4) Lab -Forensic Psychology and Criminal Profiling
Course Credits : 06 (4:0:2)	Hours of Teaching/ Week : 04 (Theory) 04 (Practical)
Total Contact Hours : 56 Hours (Theory) 56 Hours (Practical)	Formative Assessment Mark : 40 (Theory) 25(Practical)
Exam Duration : 2 ½ Hours (Theory) 3 Hours (Practical)	Semester End Examination Marks : 60 (Theory) 25 (Practical)

Course Outcomes (CO's):

CO1: Have a basic understanding of forensic psychology, including its applications and legal ramifications.

CO2: Exemplify the role of psychological testing and criminal profiling in predicting criminal behaviour.

CO3: Providing an explanation of the methods and tools needed to spot falsehood.

CO4: Comprehending the evaluation of complex forensic methods including Polygraphy, narco-analysis, and brain electrical oscillation patterns.

Course Articulation Matrix - 221473

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	2	2	2	3	2	2	2	1	1	1	1	2
CO2	2	3	3	3	2	2	2	1	2	1	2	2
CO3	3	3	3	3	2	2	2	2	2	2	2	3
CO4	3	3	3	3	3	3	2	2	2	2	2	3
Weighted Average	2.5	2.75	2.75	3	2.25	2.25	2	1.5	1.75	1.5	1.75	2.5

**OE (4) Syllabus for All Programs
(Except B A)Course**

Course Code: 22OECRI401	Course Title : OE(4):Child Protection Laws (Theory)
Course Credits : 03 (3:0:0)	Hours of Teaching/ Week : 03 (Theory)
Total Contact Hours : 42 Hours (Theory)	Formative Assessment Mark : 40 (Theory)
Exam Duration : 2 ½ Hours (Theory)	Semester End Examination Marks : 60 (Theory)

Course Outcomes (CO's):

CO1: Acknowledging the legal and constitutional concept of a kid, as well as the issues and difficulties related to their developmental stage.

CO2: Explicate the importance of child protection and the role that various social institutions play in it.

CO3: Being aware of the authority and duties of the Child Welfare Committees and Juvenile Justice Board, which are listed under the former .

CO4: Define the rules and regulations that apply to crimes against children.

Articulation Matrix - 22OECRI401

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	2	2	2	1	2	1	1	2	2	1	1	2
CO2	3	2	2	2	2	2	1	2	2	2	1	2
CO3	3	3	3	2	3	2	1	2	2	2	1	3
Weighted Average	2.6	2.3	2.3	1.6	2.3	1.6	1	2	2	1.6	1	2.3

OE (4) Syllabus for All Programs (Except B A)

Course Code: 22OECRI402	Course Title : OE(4) :Cybercrimes and Cyber law (Theory)
Course Credits : 03 (3:0:0)	Hours of Teaching/ Week : 04 (Theory)
Total Contact Hours : 42 Hours (Theory)	Formative Assessment Mark : 40 (Theory)
Exam Duration : 2 ½ Hours (Theory)	Semester End Examination Marks : 60 (Theory)

Course Outcomes (CO's):

CO1: Have a basic understanding of what computers, networking, and operating systems mean and how they work.

CO2: Identify the many types of cybercrimes and the role that cyber security plays in their detection.

CO3: Know how to detect and examine digital evidence using the many sorts of cyber forensic tools & describe the laws that govern cybercrimes and provide information on how to prevent and detect them.

Course Articulation Matrix -22OECRI402

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	3	2	2	1	3	2	1	2	2	2	2	2
CO2	3	3	2	2	3	2	1	3	3	2	2	2
CO3	3	3	3	3	3	2	1	3	3	2	3	3
Weighted Average	3	2.6	2.3	2	3	2	1	2.6	2.6	2	2.3	2.3

DSC (5) Syllabus for B.A Criminology and Forensic Science

Semester V

Course Code: 231572	Course Title: DSC (5) Medical Jurisprudence and Toxicology DSC (5) Lab-Medico-legal Examination
Course Credits :06 (4:0:2)	Hours of Teaching: 60(Theory) 60(Practical)
Total Contact Hours: 60 Hours (Theory) 60 Hours (Practical)	Formative Assessment Mark: 40 (Theory) 25(Practical)
Exam Duration: 2 ½ Hours (Theory) 3 Hours (Practical)	Semester End Examination Marks: 60 (Theory) 25 (Practical)

Course Out comes (CO's):

CO1.Analyse the basics of Medical Jurisprudence and Toxicology

CO2. Demonstrate the medico-legal importance of Death.

CO3.Determine the effect of toxins on human body.

CO4.Familiarize oneself with autopsy and its significance.

Course Articulation Matrix -231572

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	3	3	1	1	-	2	1	2	1	1	1	2
CO2	2	2	2	3	1	1	1	2	1	2	1	2
CO3	3	2	2	2	1	-	2	1	1	2	1	2
CO4	2	3	2	3	2	1	1	2	1	1	1	2
Weighted Average	2.5	2.5	1.75	2.25	1	1	1.25	2	1	1.5	1	2

DSC (6) Syllabus for B.A Criminology and Forensic Science

Semester V

Course Code: 231573	Course Title: DSC (6) Juvenile Justice
Course Credits: 06 (4:0:2)	Hours of Teaching: 60 (Theory) 60 (Practical)
Total Contact Hours: 60 Hours (Theory) 60 Hours (Practical)	Formative Assessment Mark: 40 (Theory) 25(Practical)
Exam Duration: 2 ½ Hours (Theory) 3 Hours (Practical)	Semester End Examination Marks: 60(Theory) 25 (Practical)

Course outcomes (CO's):

CO1: Analyze the definition of juvenile delinquency and its brief history.

CO2: Explain the current situation of JD in India in comparison to developed countries.

CO3: Recognize the various deviancy theories.

CO4: Develop the knowledge regarding the relevant laws, institutions dealing with juvenile deviants

Course Articulation Matrix –231573

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	2	2	1	-	1	1	1	1	2	2	1	1
CO2	2	2	1	1	1	2	2	1	2	2	1	2
CO3	2	2	2	3	1	1	1	2	1	2	2	2
CO4	1	3	3	3	3	2	2	2	3	3	3	2
Weighted Average	1.75	2.25	1.75	2.33	1.5	1.5	1.5	1.5	2	2.25	1.75	1.75

DSC (7) Syllabus for B.A Criminology and Forensic Science

Semester VI

Course Code: 231672	Course Title: DSC (7) Forensic Dactyloscopy and DNA Fingerprinting (Theory) DSC (7) Examination of Fingerprints & Footprints (Practical)
Course Credits :06 (4:0:2)	Hours of Teaching: 60 (Theory) 60 (Practical)
Total Contact Hours: 60 Hours (Theory) 60 Hours (Practical)	Formative Assessment Mark: 40 (Theory) 25(Practical)
Exam Duration: 2 ½ Hours (Theory) 3 Hours (Practical)	Semester End Examination Marks: 60 (Theory) 25 (Practical)

Course Outcomes (COs):

CO1: Recognizing the significance of DNA and the forensic dactyloscopy idea.

CO2: Educating oneself on the tenets and laws of individuality.

CO3: Gaining better knowledge on crimes, scams, and the methods used to investigate them in India.

CO4: In order to understand the forensic significance of forensic dactyloscopy and DNA in criminal justice systems

Course Articulation Matrix-231672

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	2	2	2	3	3	2	1	2	2	1	2	3
CO2	2	2	2	3	3	3	2	2	2	2	2	2
CO3	2	3	3	3	3	3	2	2	2	2	3	3
CO4	3	3	3	3	3	2	3	2	3	3	3	3
Weighted Average	2.25	2.5	2.5	3	4	2.5	2	2	2.25	2	2.5	2.75

DSC (8) Syllabus for B.A Criminology and Forensic Science

Semester VI

Course Code: 231673	Course Title: DSC (8) Corporate Crimes (Theory) DSC (8) Examination of Frauds and Corporate Crimes (Practical)
Course Credits : 06 (4:0:2)	Hours of Teaching: 60 (Theory) 60 (Practical)
Total Contact Hours: 60 Hours (Theory) 60 Hours (Practical)	Formative Assessment Mark: 40(Theory) 25(Practical)
Exam Duration: 2 ½ Hours (Theory) 3 Hours (Practical)	Semester End Examination Marks: 60 (Theory) 40 (Practical)

Course Outcomes (COs):

CO1: Recognize what corporate crimes are, how they work, and what they do.

CO2: Explain the basic elements and major scope, types of Corporate Crimes.

CO3: Identifying the different corporate crimes that have occurred in India.

CO4: Getting familiar with India's corporate crime laws and prevention strategies.

Course Articulation Matrix- 231673

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	2	2	2	3	3	2	1	3	3	2	3	3
CO2	2	2	3	3	3	2	1	3	3	2	3	3
CO3	3	3	3	3	3	3	1	3	3	3	3	3
CO4	3	3	3	3	3	3	1	3	3	3	3	3
Weighted Average	2.5	2.5	2.75	3	3	2.5	1	3	3	2.5	3	3

DEPARTMENT OF ECONOMICS

BA (Basic & Honors) in Economics

Semester - 1

Course Code: 211137	Course Title: DSC 1: Basic Economics – I
Course Credit (L:T:P): 3 (3:0:0)	Teaching Hours/Week: 3 Hours
Total Contact Hours: 42 Hours	Formative Assessment Marks: 40
Duration of Exam: 2 ¹ Hours	Summative Assessment Marks: 60

Course Outcomes:

CO1. Identify the facets of an economic problem and Examine the basic economic concepts and terms.

CO2. Illustrate the operation of a market system, analyze the production and cost relationships of business firms.

CO3. Evaluate the pricing decisions under different market structures; and Use basic cost- benefit calculations as a means of decision making

Course Articulation Matrix - 211137

PO's	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO's												
CO1	2	1	1	1	1	2	2	1	1	1	-	2
CO2	2	2	1	1	2	2	2	1	1	1	1	2
CO3	3	2	2	2	2	2	1	1	1	1	-	2
Weighted Average	2.3	1.6	1.3	1.3	1.6	2	1.6	1	1	1	1	2

Semester I

Course Code: 211138	Course Title: DSC 2: Contemporary Indian Economy
Course Credit (L:T:P): 3 (3:0:0)	Teaching Hours/Week: 3 Hours
Total Contact Hours: 42 Hours	Formative Assessment Marks: 40
Duration of Exam: $2\frac{1}{2}$ Hours	Summative Assessment Marks: 60

Course Outcomes (COs):

CO1. Comprehend the LPG Concept and current problems of Indian Economy

CO2. Identify the factors contributing to the recent growth of the Indian Economy

CO3. Analyze the sector specific policies adopted for achieving the rational goals & Review various economic policies adopted by Govt. Authorities.

Course Articulation Matrix-211138

PO's	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO's												
CO1	2	3	3	3	2	2	2	2	1	1	-	2
CO2	2	2	2	3	2	1	2	1	1	1	1	1
CO3	1	1	1	2	1	-	2	1	1	1	1	1
Weighted Average	1.6	2	2	2.6	1.6	1.5	2	1.3	1	1	1	1.3

Semester I

Course Code: 21OEECO101	Course Title: OE1 : Kautilya's Arthashastra
Course Credit (L:T:P): 3 (3:0:0)	Teaching Hours/Week: 3 Hours
Total Contact Hours: 42 Hours	Formative Assessment Marks: 40
Duration of Exam: $2\frac{1}{2}$ Hours	Summative Assessment Marks: 60

Course Outcomes (COs):

- CO1:** Enlighten the students about the ancient fundamentals about political and economic constituents, which will frame out a basic Knowledge of understanding the modern trends.
- CO2:** Identify the upcoming needs in the area of policy making for states at national and international level.
- CO3:** Equip them with the science of Governance, so it projects out all the dimensions needed to be evaluated by the students about the present socio-economic and political rules and regulations of the state.

Course Articulation Matrix - 21OEECO101

PO's	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO's												
CO1	1	1	-	1	1	2	1	2	1	1	-	-
CO2	1	1	2	2	1	1	-	2	1	1	-	-
CO3	1	1	1	2	1	1	2	1	-	1	-	1
Weighted Average	1	1	1.5	1.6	1	1.3	1.5	1.6	1	1	-	1

Semester 1

Course Code: 21OEECO102	Course Title: OE1 : Pre-Reforms Indian Economy
Course Credit (L:T:P): 3 (3:0:0)	Teaching Hours/Week: 3 Hours
Total Contact Hours: 42 Hours	Formative Assessment Marks: 40
Duration of Exam: $2\frac{1}{2}$ Hours	Summative Assessment Marks: 60

Course Outcomes (COs):

CO1: Trace the evolution of Indian Economy; Identify the structural features and constraints of the Indian Economy

CO2: Evaluate planning models and strategy adopted in India

CO3: Analyze the sector specific problems and their contributions and Review various economic policies adopted towards overall economic growth

Course Articulation Matrix - 21OEECO102

PO's	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO's												
CO1	2	1	1	2	2	1	2	1	1	1	-	1
CO2	1	2	2	2	1	1	-	1	1	1	2	1
CO3	1	2	1	2	1	1	2	1	1	1	1	1
Weighted Average	1.3	1.6	1.3	2	1.3	1	2	1	1	1	1.5	1

Semester I

Course Code: 21OEECO103	Course Title: OE1: Development Studies
Course Credit (L:T:P): 3 (3:0:0)	Teaching Hours/Week: 3 Hours
Total Contact Hours: 42 Hours	Formative Assessment Marks: 40
Duration of Exam: $2\frac{1}{2}$ Hours	Summative Assessment Marks: 60

Course Outcomes (COs):

CO1: Provide solid foundation of fundamentals required to solve socio economic problems

CO2: Acquire knowledge to appreciate the dimensions of contemporary development issues, to generate sensitivity to problems concerning ethics and human values to develop orientation towards effective communication and critical analysis

CO3: Cultivate professional and ethical attitude, effective Communication skills, teamwork skills, multidisciplinary approach, and to facilitate an advanced understanding and appreciation of the principles, methodologies, value systems, and thought processes employed in human inquiries.

Course Articulation Matrix- 21OEECO103

PO's	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO's												
CO1	1	2	2	2	2	1	3	2	1	2	1	1
CO2	2	2	1	2	1	2	2	2	1	1	-	1
CO3	1	2	1	2	1	2	2	2	-	-	1	1
Weighted Average	1.3	2	1.3	2	1.3	1.6	2.3	2	1	1.5	1	1

Semester – II

Course Code: 211237	Course Title: DSC 3: Basic Economics - II
Course Credit (L:T:P): 3 (3:0:0)	Teaching Hours/Week: 3 Hours
Total Contact Hours: 42 Hours	Formative Assessment Marks: 40
Duration of Exam: $2\frac{1}{2}$ Hours	Summative Assessment Marks: 60

Course Outcomes (COs):

- CO1** Examine the operation of the overall economic system; Calculate national income and related aggregates
- CO2** Evaluate the macroeconomic policies for solving major problems like poverty and unemployment
- CO3** Analyze the relationship between macroeconomic aggregates and the nature of business cycles and policies towards controlling them;

Course Articulation Matrix- 211237

POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO's												
CO1	3	2	2	2	2	1	1	1	2	1	-	1
CO2	2	1	1	1	1	1	2	1	1	1	1	1
CO3	1	2	2	2	1	1	1	1	1	1	1	1
Weighted Average	2	1.6	1.6	1.6	1.3	1	1.3	1	1.3	1	1	1

Semester II

Course Code: 211238	Course Title: DSC 4: Karnataka Economy
Course Credit (L:T:P): 3 (3:0:0)	Teaching Hours/Week: 3 Hours
Total Contact Hours: 42 Hours	Formative Assessment Marks: 40
Duration of Exam: 2 ¹ / ₂ Hours	Summative Assessment Marks: 60

-

Course Outcomes (COs):

- CO1** Identify the nature of economic growth and problems of Karnataka state.
- CO2** Examine the process of structural growth in Karnataka Economy
- CO3** Evaluate the policies and programs undertaken by the Govt. of Karnataka for bringing about socio-economic development

Course Articulation Matrix - 211238

PO's	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO's												
CO1	2	3	3	3	2	2	2	2	1	1	1	1
CO2	2	2	2	2	2	1	1	1	1	1	-	1
CO3	1	1	1	1	1	1	2	1	1	1	1	1
Wtd. Avg.	1.6	2	2	2	1.6	1.3	1.6	1.3	1	1	1	1

Semester II

Course Code: 21OEECO201	Course Title: OE2: Contemporary Indian Economy
Course Credit (L:T:P): 3 (3:0:0)	Teaching Hours/Week: 3 Hours
Total Contact Hours: 42 Hours	Formative Assessment Marks: 40
Duration of Exam: $2\frac{1}{2}$ Hours	Summative Assessment Marks: 60

Course Outcomes (COs):

- CO1** Evaluate the LPG Concept and current problems of Indian Economy
- CO2** Identify the factors contributing to the recent growth of the Indian Economy
- CO3** Examine the sector specific policies adopted for achieving the rational goals & review of various economic policies adopted.

Course Articulation Matrix - 21OEECO201

POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
COs												
CO1	2	2	3	3	2	2	2	2	1	1	1	2
CO2	2	2	2	2	2	1	2	1	1	1	-	1
CO3	1	1	1	1	1	-	2	1	1	1	-	1
Weighted Average	1.6	1.6	2	2	1.6	1.5	2	1.3	1	1	1	1.3

Semester II

Course Code: 21OEECO202	Course Title: OE2: Sustainable Development Goals
Course Credit (L:T:P): 3 (3:0:0)	Teaching Hours/Week: 3 Hours
Total Contact Hours: 42 Hours	Formative Assessment Marks: 40
Duration of Exam: $2\frac{1}{2}$ Hours	Summative Assessment Marks: 60

Course Outcomes (COs):

- CO1** Comprehend the basic concept of Sustainable Development (SD), the environmental, social and economic dimensions.
- CO2** Know the history and evolution of the SD concept and discuss the conflicts which are involved in the SD concept on the national as well as on the global scale.
- CO3** Examine the disadvantages of instruments involved in SD; Evaluate the sustainable development goals and their attainments.

Course Articulation Matrix - 21OEECO202

PO's	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO's												
CO1	2	2	2	2	2	1	3	2	1	1	-	1
CO2	2	-	-	-	1	2	2	2	1	1	-	-
CO3	2	2	1	2	2	2	2	2	1	1	1	-
Weighted Average	2	2	1.5	2	1.6	1.6	2.3	2	1	1	1	1

Semester II

Course Code: 21OEECO203	Course Title: OE2: Economics of Business Environment:
Course Credit (L:T:P): 3 (3:0:0)	Teaching Hours/Week: 3 Hours
Total Contact Hours: 42 Hours	Formative Assessment Marks: 40
Duration of Exam: 2 ¹ -Hours 2	Summative Assessment Marks: 60

Course Outcomes (COs):

At the end of the course the student should be able to:

CO1 Examine the elements and concepts of Business Environment.

CO2 Identify the environmental constraints in the growth of a business firm.

CO3 Analyze the ways to utilize the current environmental conditions to achieve higher growth in the field of Business.

Course Articulation Matrix- 21OEECO203

PO's	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO's												
CO1	3	1	1	1	2	2	2	1	1	1	2	2
CO2	2	2	2	2	2	1	2	1	2	1	2	2
CO3	3	2	2	2	3	1	2	3	2	1	2	1
Weighted Average	2.6	1.6	1.6	1.6	2.3	1.3	2	1.6	1.6	1	2	1.6

III Semester BA

Course Code: 221337	Course Title: DSC 5: Micro Economics
Course Credit (L:T:P): 3 (3:0:0)	Teaching Hours/Week: 3 Hours
Total Contact Hours: 42 Hours	Formative Assessment Marks: 40
Duration of Exam: $2\frac{1}{2}$ Hours	Summative Assessment Marks: 60

Course Outcomes (COs):

CO1. Recognize & illustrate the Micro economic concepts, basic supply and demand analysis with Determinants of Demand and Supply

CO2. Examine the structure and the role of costs in the economy and describe, using graphs, various market models to examine structure of both perfect and Imperfect competitions

CO3. Evaluate as to how equilibrium is achieved in the various market models, Identify problem areas in the economy, and possible solutions, using the analytical tools developed in the course.

Course Articulation Matrix- 221337

PO's	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO's												
CO1	3	2	1	1	1	2	2	-	-	1	2	1
CO2	2	2	2	2	1	2	2	1	1	1	2	1
CO3	2	2	2	2	2	2	2	1	1	1	1	1
Weighted Average	2.3	2	1.6	1.6	1.3	2	2	1	1	1	1.6	1

Semester –III

Course Code: 221338	Course Title: DSC 6: Mathematics for Economics
Course Credit (L:T:P): 3 (3:0:0)	Teaching Hours/Week: 3 Hours
Total Contact Hours: 42 Hours	Formative Assessment Marks: 40
Duration of Exam: $2\frac{1}{2}$ Hours	Summative Assessment Marks: 60

Course Outcomes (COs):

CO1. Acquire the knowledge of mathematical tools and their application to Economic Concepts; Perform the basic operations in Sets and Matrices.

CO2. Calculate limits, derivatives of Economic functions and identify the nature of relationship among Costs and Revenue curves.

CO3. Computation of maxima and minima of functions through integral and differential calculus.

Course Articulation Matrix-221338

PO's	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO's												
CO1	2	1	2	1	2	1	1	1	1	1	1	1
CO2	2	3	2	1	2	1	1	-	2	1	2	1
CO3	2	3	2	1	2	1	1	-	1	1	1	1
Weighted Average	2	2.3	2	1	2	1	1	1	1.3	1	1.3	1

III SEMESTER

Course Code: 22OEECO301	Course Title: OE 3: Rural Economics
Course Credit (L:T:P): 3 (3:0:0)	Teaching Hours/Week: 3 Hours
Total Contact Hours: 42 Hours	Formative Assessment Marks: 40
Duration of Exam: 2 $\frac{1}{2}$ Hours	Summative Assessment Marks: 60

Course Outcomes (COs):

CO1 Identifying the basics of rural development, study the characteristics, problems, and programs of rural redevelopment

CO2 Evaluate the trends and patterns of economic activities in rural areas

CO3 Examine the role of infrastructural facilities and governance in rural development and enable the students to know about significance of rural enterprises and agriculture.

Course Articulation Matrix - 22OEECO301

POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
COs												
CO1	3	2	2	2	2	3	3	2	2	1	1	1
CO2	3	2	2	2	1	2	2	2	2	1	-	1
CO3	2	2	2	1	2	3	2	2	2	1	2	1
Weighted Average	2.6	2	2	1.6	1.6	2.6	2.3	2	2	1	1.5	1

III SEMESTER

Course Code: 22OEECO302	Course Title: OE 3: Economics of Insurance
Course Credit (L:T:P): 3 (3:0:0)	Teaching Hours/Week: 3 Hours
Total Contact Hours: 42 Hours	Formative Assessment Marks: 40
Duration of Exam: 2½ Hours 2	Summative Assessment Marks: 60

Course Outcomes (COs):

CO1. Gain knowledge relating to fundamentals and types of the insurance in the field of insurance

CO2. Examine the role of Insurance planning and tax advantages and Dis advantages

CO3. Acquiring Knowledge in Health insurance, Insurance plans and legislations involved.

Course Articulation Matrix - 22OEECO302

POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	P09	PO10	PO11	PO12
COs												
CO1	1	1	-	-	1	1	1	1	-	1	-	-
CO2	1	-	-	-	1	1	-	2	1	1	1	1
CO3	1	1	1	-	1	1	1	2	-	1	1	1
Weighted Average	1	1	1	-	1	1	1	1.6	1	1	1	1

III SEMESTER

Course Code: 22OEECO303	Course Title: OE 3: Economics of Human Development
Course Credit (L:T:P): 3 (3:0:0)	Teaching Hours/Week: 3 Hours
Total Contact Hours: 42 Hours	Formative Assessment Marks: 40
Duration of Exam: 2 ¹ / ₂ Hours	Summative Assessment Marks: 60

Course Outcomes (COs):-

CO1. Differentiate between Human Resource Development (HRD), Human Development (HD) and HRM

CO2. Comprehend the concepts of Human security, describe dimensions of human development, and various practices and policies of human development

CO3. Measurement of human development and analysis of the impact of globalization on Human Development

Course Articulation Matrix -22OEECO303

POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
COs												
CO1	2	1	1	1	1	1	1	1	1	1	-	1
CO2	1	1	1	1	1	1	1	1	1	1	1	1
CO3	2	1	1	1	1	1	1	2	1	1	-	1
Weighted Average	1.6	1	1	1	1	1	1	1.3	1	1	1	1

IV SEMESTER

Course Code: 221437	Course Title: DSC 7:Macro Economics
Course Credit (L:T:P): 3 (3:0:0)	Teaching Hours/Week: 3 Hours
Total Contact Hours: 42 Hours	Formative Assessment Marks: 40
Duration of Exam: $2\frac{1}{2}$ Hours	Summative Assessment Marks: 60

Course Outcomes (COs):

- CO1.** Gain the Knowledge about classical and Keynesian Employment Theories and National Income Accounting
- CO2.** Examine the process of Consumption and Investment Functions
- CO3.** Evaluate the Concept of Multiplier, Accelerator along with money supply, Demand and Inflation

Course Articulation Matrix - 221437

PO's	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO's												
CO1	3	2	1	1	2	2	1	1	1	1	2	1
CO2	3	1	-	-	2	2	1	1	-	1	1	1
CO3	3	2	2	2	2	2	1	-	1	1	1	1
Weighted Average	3	1.6	1.5	1.5	2	2	1	1	1	1	1.3	1

IV SEMESTER

Course Code: 221438	Course Title: DSC 8: Statistics for Economics
Course Credit (L:T:P): 3 (3:0:0)	Teaching Hours/Week: 3 Hours
Total Contact Hours: 42 Hours	Formative Assessment Marks: 40
Duration of Exam: $2\frac{1}{2}$ Hours	Summative Assessment Marks: 60

Course Outcomes (COs):

CO1 Identify the nature and Sources of Data and their presentation

CO2 Calculate Descriptive statistics like measures of central tendency and dispersion

CO3 Apply statistical techniques like correlation and regression in the study of Economic analysis

Course Articulation Matrix-221438

POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
COs												
CO1	2	3	3	3	2	1	1	1	1	1	1	1
CO2	2	2	2	2	2	1	-	-	2	1	1	1
CO3	2	2	2	2	1	-	-	-	1	1	1	1
Weighted Average	2	2.3	2.3	2.3	1.6	1	1	1	1.3	1	1	1

IV SEMESTER

Course Code: 22OEECO401	Course Title: OE 4: Karnataka Economy
Course Credit (L:T:P): 3 (3:0:0)	Teaching Hours/Week: 3 Hours
Total Contact Hours: 42 Hours	Formative Assessment Marks: 40
Duration of Exam: $2\frac{1}{2}$ Hours	Summative Assessment Marks: 60

Course Outcomes (COs):

- CO1. Understand the nature of economic growth and problems of Karnataka state.
- CO2. Explain the process of structural growth in Karnataka Economy
- CO3. Evaluate the policies and programs undertaken by the Govt. of Karnataka for bringing about socio-economic development

Course Articulation Matrix - 22OEECO401

PO's	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO's												
CO1	2	3	2	2	2	2	2	2	1	1	1	1
CO2	2	2	2	2	2	1	1	1	1	1	-	1
CO3	1	1	2	2	1	-	2	1	1	1	-	1
Weighted Average	1.6	2	2	2	1.6	1.5	1.6	1.3	1	1	1	1

IV Semester

Course Code -22OEECO402	Course Title: OE 4: Entrepreneurial Economics
Course Credit (L:T:P): 3 (3:0:0)	Teaching Hours/Week: 3 Hours
Total Contact Hours: 42 Hours	Formative Assessment Marks: 40
Duration of Exam: 2$\frac{1}{2}$ Hours	Summative Assessment Marks: 60

Course Outcomes (COs):

CO1. Gain the capacity to Start own business as an Entrepreneur

CO2. Enabling the students to find career opportunities in the field of business.

CO3. Enable the students to gain knowledge and skills needed to run a business successfully.

Course Articulation Matrix - 22OEECO402

PO's	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO's												
CO1	2	2	1	-	2	1	1	1	3	1	3	2
CO2	2	1	-	1	2	1	-	1	2	1	1	1
CO3	2	2	1	-	2	1	1	1	3	1	3	3
Weighted Average	2	1.6	1	1	2	1	1	1	2.6	1	2.3	2

IV Semester

Course Code: 22OEECO403	Course Title: OE 4: Economics and Law
Course Credit (L:T:P): 3 (3:0:0)	Teaching Hours/Week: 3 Hours
Total Contact Hours: 42 Hours	Formative Assessment Marks: 40
Duration of Exam: 2 $\frac{1}{2}$ Hours	Summative Assessment Marks: 60

Course Outcomes (COs):

- CO1.** Comprehend the basic economic issues affecting the economy along with the related legal provisions
- CO2.** Acquire knowledge on the basic provisions of law relating to consumer activities, business organizations, environment also to recognize the law framework in order to frame the economic model closer to reality.
- CO3.** Enable the students to realize the consequences of legal rules, primarily as an exercise in applied microeconomics, macroeconomics, industrial and international economics.

Course Articulation Matrix- 22OEECO403

POs	PO 1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
COs												
CO1	2	1	-	-	1	2	2	2	1	1	1	1
CO2	2	1	1	1	1	2	2	2	1	1	-	1
CO3	2	1	1	1	1	2	2	2	-	1	1	1
Weighted Average	2	1	1	1	1	2	2	2	1	1	1	1

IV Semester

Course Code: 22OEEO404	Course Title: OE 4: Economics of GST
Course Credit (L:T:P): 3 (3:0:0)	Teaching Hours/Week: 3 Hours
Total Contact Hours: 42 Hours	Formative Assessment Marks: 40
Duration of Exam: 2 ¹ Hours ₂	Summative Assessment Marks: 60

-

Course Outcomes (COs):

- CO1.** Acquire knowledge on indirect taxes with special reference to GST
- CO2.** Application of theoretical and Practical knowledge of GST and its Evolution in India
- CO3.** Enable the students to be aware of the GST Law, ITC, Valuation of supply and returns, Simple calculation of GST and Input Tax Credit, Valuation of Supply

Course Articulation Matrix - 22OEEO404

PO's	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO's												
CO1	2	2	1	1	2	1	1	1	-	1	1	1
CO2	2	1	1	1	1	1	1	1	1	1	-	1
CO3	3	2	1	1	1	1	1	1	-	1	1	1
Weighted Average	2.3	1.6	1	1	1.3	1	1	1	1	1	1	1

DSC (9): Public Economics Semester V

Course Code: 231537	Course Title: DSC (9): Public Economics
Course Credit (L:T:P): 4 (4:0:0)	Teaching Hours/Week: 4 Hours
Total Contact Hours: 60 Hours	Formative Assessment Marks: 40
Duration of Exam: 2 $\frac{1}{2}$ Hours	Summative Assessment Marks: 60

Course Outcomes (COs):

CO1. Comprehend the introductory concepts of Public Finance & analyse the causes of market failure and corrective actions

CO2. Examine the impact, incidence and shifting of tax and Study the Economic Effects of tax on production, distribution and other effects

CO3. Enable the students to identify the Principles and Effects of Public Expenditure, public debt & Sources of Public Borrowing and Burden of Public Debt

CO4. Identify the Economic and functional classification of the budget; to acquaint with the advantages and disadvantages of Deficit Financing.

Course Articulation Matrix: 231537

PO's	PO 1	PO 2	PO 3	PO4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO's												
CO1	2	2	2	3	3	2	2	1	1	2	2	2
CO2	3	2	2	3	2	2	2	2	1	2	2	2
CO3	3	2	2	2	2	2	2	2	1	2	1	2
CO4	3	3	2	2	2	2	2	2	1	2	1	2
Weighted Average	2.75	2.25	2	2.5	2.25	2	2	1.75	1	2.25	1.5	2

DSC (10): Development Economics Semester V

Course Code: 231538	Course Title: DSC (10): Development Economics
Course Credit (L:T:P): 4 (4:0:0)	Teaching Hours/Week: 4 Hours
Total Contact Hours: 60 Hours	Formative Assessment Marks: 40
Duration of Exam: $2\frac{1}{2}$ Hours	Summative Assessment Marks: 60

Course Outcomes (COs):

- **CO1.** Examine the basic concepts and measurements of Development.
- **CO2.** Acquire the knowledge with some classical and partial theories of Development economics and identify the differences.
- **CO3.** Identify the distinction between Developed and Developing Countries.
- **CO4.** Analyse and tackle the Development issues effectively.

Course Articulation Matrix-231538

PO's CO's	P O 1	P O 2	P O 3	P O 4	P O 5	P O 6	P O 7	P O 8	P O 9	P O 10	P O 11	P O 12
CO1	2	2	2	2	3	2	2	2	2	2	3	2
CO2	3	2	3	2	2	2	2	2	1	2	3	2
CO3	3	2	3	2	2	2	2	2	1	2	3	2
CO4	3	3	2	3	3	3	3	3	2	2	2	3
Weighted Average	2. 7 5	2.2 5	2.7 5	2.2 5	2.5	2.25	2.2 5	2.2 5	1.5	2	2.7 5	2.2 5

DSC (11): Indian Banking and Finance Semester V

Course Code: 231539	Course Title DSC (11): Indian Banking and Finance
Course Credit (L:T:P): 4 (4:0:0)	Teaching Hours/Week: 4 Hours
Total Contact Hours: 60 Hours	Formative Assessment Marks: 40
Duration of Exam: 2 $\frac{1}{2}$ Hours	Summative Assessment Marks: 60

Course Outcomes (COs):

- CO1. Identifying the basics structure of Indian banking and the role of banks in monetary policy.
- CO2. Analyze the functioning of banks and different types of accounts and other services offered by banks.
- CO3 Evaluate recent developments in the Indian banking sector, including digital banking, payment banks, and non-performing assets.
- CO4. Analyze the challenges faced by Indian banks and the implications of banking reforms for the Indian economy. Develop critical thinking and analytical skills in evaluating various financial products and services banks and capital markets offer.

Course Articulation Matrix - 231539

POs		P	P	P	P	P	P	P	P	P	P	P
COs	PO 1	O 2	O 3	O 4	O 5	O 6	O 7	O 8	O 9	O 10	O 11	O 12
CO1	3	3	2	2	2	2	2	2	2	2	2	2
CO2	3	2	3	2	3	2	2	2	2	2	2	3
CO3	3	3	3	2	3	2	2	3	2	2	3	3
CO4	3	3	3	2	3	2	2	3	2	2	3	3
WA	3	2.7 5	2.75	2	2.75	2	2	2.5	2	2	2.5	2.7 5

DSC (12): Economics of Human Resource Management Semester V

Course Code: 231540	Course Title DSC (12): Economics of Human Resource Management
Course Credit (L:T:P): 4 (4:0:0)	Teaching Hours/Week: 4 Hours
Total Contact Hours: 60 Hours	Formative Assessment Marks: 40
Duration of Exam: 2 $\frac{1}{2}$ Hours	Summative Assessment Marks: 60

Course Outcomes (COs):

- CO1. Acquire the knowledge about meaning, nature, scope and value of the contemporary approach to human resource management with reference to Economics.
- CO2. Evaluation of an organisation of a human resource management functionary in an establishment, and to identify attributes of a successful personnel manager.
- CO3. Imparting knowledge and techniques in human resource planning, Job-Analysis, and Job-Design.
- CO4. Analysis of the importance and methods adopted for training and development of employees in the workplace.

Course Articulation Matrix - 231540

POs	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	3	3	2	2	3	2	2	3	2	3	3	3
CO2	3	3	3	3	3	2	2	3	3	3	3	2
CO3	2	3	2	2	3	2	2	3	2	2	2	3
CO4	3	3	3	2	3	2	2	2	2	2	3	2
Weighted Average	2.75	3	2.5	2.25	3	2	2	2.75	2.25	2.5	2.75	2.5

SEC-5 Employability Skills Semester V

Course Code: (23EMPECO01)	Course Title: (SEC-5)Employability Skills
Course Credit (L:T:P): 3 (2:0:1)	Teaching Hours/Week: 3 Hours
Total Contact Hours: 45 Hours	Formative Assessment Marks: 40
Duration of Exam: 2 $\frac{1}{2}$ Hours	Summative Assessment Marks: 60

Course Outcomes: (Cos)

- Develop systematic problem-solving abilities.
- Enhance verbal and non-verbal reasoning skills.
- Improve numerical and analytical abilities.
- Enhance English language and communication skills.

Course Articulation Matrix - 23EMPECO01

POs	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	3	3	2	2	3	1	2	2	1	2	2	2
CO2	3	3	3	3	3	2	2	2	2	2	3	2
CO3	3	3	3	3	3	2	2	2	2	2	3	2
CO4	3	3	3	3	3	2	2	2	2	2	3	2
Weighted Average	3	3	2.75	2.75	3	1.75	2	2	1.75	2	2.75	2

DSC(13) : International Economics Semester VI

Course Code: 231637	Course Title: DSC(13) : International Economics
Course Credit (L:T:P): 4 (4:0:0)	Teaching Hours/Week: 4 Hours
Total Contact Hours: 60 Hours	Formative Assessment Marks: 40
Duration of Exam: 2 $\frac{1}{2}$ Hours	Summative Assessment Marks: 60

Course Outcomes (COs):

- CO1. Understand the international trade theories and their application in international trade
- CO2. Explain the concept of terms of trade and demonstrate the effect of trade barriers; and display the ability to analyse the stages of economic integration
- CO3. Understand the concept of BoP and assess the BoP position and examine the changes in forex rate
- CO4. Analyse the role of International trade and financial institutions & Demonstrate good inter-personal and communication skills through class participation and contributing to critical discussion on trade issues

Course Articulation Matrix- 231637

PO's	CO's											
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	3	2	2	2	1	2	2	2	2	2	1
CO2	3	2	2	2	3	2	2	1	2	2	2	2
CO3	3	3	3	3	3	2	2	2	2	2	2	2
CO4	3	3	3	2	2	2	3	2	2	2	2	2
Weighted Average	3	2.75	2.5	2.25	2.5	1.75	2.25	1.75	2	2	2	1.75

DSC (14): Indian Public Finance Semester VI

Course Code: 231638	Course Title: DSC (14): Indian Public Finance
Course Credit (L:T:P): 4 (4:0:0)	Teaching Hours/Week: 4 Hours
Total Contact Hours: 60 Hours	Formative Assessment Marks: 40
Duration of Exam: $2\frac{1}{2}$ Hours	Summative Assessment Marks: 60

Course Outcomes (COs):

- CO1. Identify the structure of Indian Public Finance & trace the Source and nature of public revenue and expenditure
- CO2. Evaluate the Budget and different concept of deficits
- CO3. Gain Knowledge about the Principles of Public Debt and its management
- CO4. Examine the fiscal and monetary policy, their tools and importance including the Indian federal financing system and Financial Commissions.

Course Articulation Matrix -231638

POs COs	P O 1	P O 2	P O 3	P O 4	P O 5	P O 6	P O 7	P O 8	P O 9	P O 10	P O 11	P O 12
	CO1	3	3	3	3	3	3	2	3	2	2	3
CO2	3	3	3	2	3	2	2	3	2	2	3	2
CO3	3	2	3	3	3	3	2	2	2	2	3	2
CO4	3	3	2	3	3	2	2	2	2	2	2	2
Weighted Average	3	2.75	2.75	2.75	3	2.5	2	2.5	2	2	2.75	2

DSC15: Environmental Economics Semester VI

Course Code: 231639	Course Title: DSC15: Environmental Economics
Course Credit (L:T:P): 4 (4:0:0)	Teaching Hours/Week: 4 Hours
Total Contact Hours: 60 Hours	Formative Assessment Marks: 40
Duration of Exam: 2 $\frac{1}{2}$ Hours	Summative Assessment Marks: 60

Course Outcomes (COs):

- CO1. Examine the linkages between Environmental Degradation and Economic Development
- CO2. Develop an informed view regarding the potential of economics to help societies achieve their environmental goals
- CO3. Evaluate the role of Citizens and NGOs in Environmental Protection.
- CO4. Analyze environmental problems and to assess environmental policies

Course Articulation Matrix - 231639

PO's	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	3	3	3	3	3	3	3	3	2	2	2	3
CO2	2	2	2	2	2	2	3	3	2	2	2	3
CO3	2	2	2	3	3	2	2	3	2	2	2	3
CO4	2	2	2	3	3	2	2	3	2	2	2	2
Weighted Average	2.25	2.25	2.25	2.25	2.75	2.25	2.5	3	2	2	2	2.75

DSC16: Economic Thoughts of B R Ambedkar Semester VI

Course Code: 231640	Course Title: DSC15: Economic Thoughts of B R Ambedkar
Course Credit (L:T:P): 4 (4:0:0)	Teaching Hours/Week: 4 Hours
Total Contact Hours: 60 Hours	Formative Assessment Marks: 40
Duration of Exam: $2\frac{1}{2}$ Hours	Summative Assessment Marks: 60

Course Outcomes

- CO1. derive inspiration from the life and works of B R Ambedkar
- CO2. Appreciate the socio-economic scenario during Ambedkar' period and compare it with presentday
- CO3. Comprehend the contributions of Ambedkar on various economic aspects
- CO4. Assess the economic views of Ambedkar in the light of present-day socio-economic problems & develop the traits of critical thinking.

Course Articulation Matrix - 231640

PO's CO's	P O 1	P O 2	P O 3	P O 4	P O 5	P O 6	P O 7	P O 8	P O 9	P O 10	P O 11	P O 12
CO1	2	2	2	2	2	3	2	2	2	2	2	2
CO2	2	2	2	2	2	2	3	3	2	2	2	3
CO3	2	3	2	2	3	3	2	2	2	2	2	2
CO4	2	2	2	2	3	2	2	2	2	2	3	2
Weighted Average	2	2.25	2	2	2.5	2.5	2.25	2.25	2	2	2.25	2.25

SEC-5 Employability Skills Semester V

Course Code: (23EMPECO01)	Course Title: (SEC-5)Employability Skills
Course Credit (L:T:P): 3 (2:0:1)	Teaching Hours/Week: 3 Hours
Total Contact Hours: 45 Hours	Formative Assessment Marks: 40
Duration of Exam: 2 $\frac{1}{2}$ Hours	Summative Assessment Marks: 60

Course Outcomes: (Cos)

- Develop systematic problem-solving abilities.
- Enhance verbal and non-verbal reasoning skills.
- Improve numerical and analytical abilities.
- Enhance English language and communication skills.

Course Articulation Matrix - 23EMPECO01

POs	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	3	3	2	2	3	1	2	2	1	2	2	2
CO2	3	3	3	3	3	2	2	2	2	2	3	2
CO3	3	3	3	3	3	2	2	2	2	2	3	2
CO4	3	3	3	3	3	2	2	2	2	2	3	2
Weighted Average	3	3	2.75	2.75	3	1.75	2	2	1.75	2	2.75	2

DEPARTMENT OF GEOGRAPHY

Syllabus DSC (1) Syllabus for B.A. Geography (Basic and Honors)

Semester I

Course Code: 211144 **Course Title:** Principles of Geomorphology (Theory)
Geomorphology (Practical)

Course Credits: 06 (4:0:2) **Hours of Teaching/Week:** 04 (Theory) + 04 (Practical)

Total Contact Hours: 56 Hours (Theory)
56 Hours (Practical) **Formative Assessment Marks:**
40 (Theory)
25 (Practical)

Exam Duration: 2¹ Hours (Theory)
2
3 Hours (Practical) **Semester End Examination Marks:**
60 (Theory)
25 (Practical)

Course Outcomes (COs)

1. Acquire the knowledge of fundamental concepts and the essential principles of Geomorphology.
2. Knowledge of systems and cycles of the solid Earth, crustal mobility and tectonics.
3. Describe the dynamics of Earth related to folds, faults, earthquakes volcanoes and associated landforms.
4. Identify and interpret the evolution of landforms and agents of denudation.

Course Articulation Matrix-211144

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	2	2	1	2	1	1	2	-	1	1	-	2
CO2	2	1	1	2	1	1	2	-	1	1	-	2
CO3	2	2	1	2	1	1	2	-	1	1	-	2
CO4	2	2	1	-	-	-	2	-	1	1	-	1
Weighted Average	2	1.75	1	2	1	1	2	-	1	1	-	1.75

OE(1) Geography Syllabus for All Programs (Except Arts)

Semester I

Course Code: 21OEGEO101	Course Title: Introduction to Physical Geography
Course Credits: 03 (3:0:0)	Hours of Teaching/Week: 3 Hours (Theory)
Total Contact Hours: 42 Hours (Theory)	Formative Assessment Marks: 40
Exam Duration: 2 $\frac{1}{2}$ Hours (Theory)	Semester End Examination Marks: 60

Course Outcomes (COs):

1. Acquire the knowledge of structure and movement of the earth.
2. Analyze the interior and exterior aspects of earth sciences.
3. Analyze and interpret atmospheric phenomena.
4. Examine and describe the structure, composition and nature of water bodies.

Course Articulation Matrix- 21OEGEO101

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	1	-	1	2	2	3	1	2	1	-	3
CO2	3	2	2	2	2	2	3	2	2	2	2	3
CO3	3	2	1	1	1	2	3	2	1	1	-	3
CO4	3	2	1	1	-	2	3	2	1	1	-	3
Weighted Average	3.66	2.33	1.33	1.25	1.66	2	3	2.33	1.5	1.25	2	3

OE(1) Geography Syllabus for All Programs (Except Arts)

Course Code: 21OEGEO102

Course Title: Fundamentals of Remote Sensing

Course Credits: 03 (3:0:0)

Hours of Teaching/Week: 3 Hours (Theory)

Total Contact Hours: 42 Hours (Theory)

Formative Assessment Marks:40

Exam Duration:2 ¹/₂Hours (Theory)

Semester End Examination Marks:60

Course Outcomes:

1. Demonstrate the basic concepts and impart necessary skills of remote sensing
2. Analyze sensing and recording reflected or emitted energy and processing it.
3. Analyze and interpret remotely sensed satellite images on the Earth surface. Comprehend the concepts of Remote sensing and describe its practical significance.

Course Articulation Matrix- 21OEGEO102

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	3	3	2	3	2	2	2	2	2	2	3
CO2	2	2	3	2	2	2	3	-	1	1	1	2
CO3	2	2	2	2	2	1	2	-	1	1	1	2
CO4	3	2	3	2	2	2	3	1	2	1	2	3
Weighted Average	2.25	2.25	2.75	2	2.25	2.33	2.50	1.5	1.5	1.25	1.5	2.5

Syllabus DSC (2) Syllabus for BA Geography (Basic and Honors) Semester II

Course Code: 211244

Course Title: Introduction to Climatology
(Theory)
Climatology (Practical)

Course Credits: 06 (4:0:2)

Hours of Teaching/Week: 04 (Theory) + 04
(Practical)

Total Contact Hours: 56 Hours (Theory)
56 Hours (Practical)

Formative Assessment Marks:40

Exam Duration:2¹Hours (Theory)
3 Hours(Practical)²

Semester End Examination
Marks:60 (Theory)25 (Practical)

Course Outcomes (COs):

1. Acquire the knowledge of climatology, structure and composition of atmosphere.
2. Analyze the dynamics of the Earth's atmospheric phenomena
3. Understand the nature and impact of the atmospheric pressure and winds.
4. Determine & describe the atmospheric cycle and factors associated with atmospheric changes.

Course Articulation Matrix – 211244

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	2	1	-	1	2	3	1	-	1	-	2
CO2	2	2	1	-	1	2	3	1	-	1	-	2
CO3	3	2	1	1	2	2	3	1	1	1	-	2
CO4	2	2	1	1	1	2	2	1	1	1	-	2
Weighted Average	2.25	2	1	1	1.25	2	2.75	1	1	1	-	2

OE(2) Geography Syllabus for All Programs(Except Arts) Semester II

Course Code: 21OEGEO201

Course Title: Introduction to Human Geography

Course Credits: 03 (3:0:0)

Hours of Teaching/Week: 3 Hours (Theory)

Total Contact Hours: 42 Hours (Theory)

Formative Assessment Marks:40

Exam Duration:2 ¹/₂Hours (Theory)

Semester End Examination Marks:60

Course Outcomes (COs):

1. Comprehend the evolution, approaches and development of Human Geography.
2. Understand the geographical analysis of population dynamics and migration.
3. Determine and introspect the concept of culture, cultural diffusion, factors, pattern and process of realm.
4. Analyze and describe the Economic activities and human settlements.

Course Articulation Matrix- 21OEGEO201

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	1	1	1	-	1	2	1	-	-	-	2
CO2	2	2	1	1	1	2	2	2	1	1	2	2
CO3	2	2	1	1	-	2	2	1	-	-	1	3
CO4	3	2	2	1	-	2	2	2	1	1	1	3
Weighted Average	2.25	1.75	1.25	1	1	1.75	2	1.5	1	1	1.33	2.5

OE(2) Geography Syllabus for All Programs (Except Arts)

Course Code: 21OEGEO202	Course Title: Basics of Geographic Information Systems (GIS)
Course Credits: 03 (3:0:0)	Hours of Teaching/Week: 3 Hours (Theory)
Total Contact Hours: 42 Hours (Theory)	Formative Assessment Marks: 40
Exam Duration: 2 $\frac{1}{2}$ Hours (Theory)	Semester End Examination Marks: 60

Course Outcomes:

1. Acquiring the knowledge of concept development components and functions of GIS
2. Analyze the theoretical concepts in a practical way through the mathematical models of geography.
3. Understand the various modes of data collection and scale.
4. Solve geographical problems through the preparation of thematic maps.

Course Articulation Matrix- 21OEGEO202

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	2	3	2	3	2	2	1	2	1	2	3
CO2	2	2	2	2	3	2	2	1	1	1	2	2
CO3	2	2	2	2	2	1	2	1	1	1	2	3
CO4	2	2	3	2	3	2	3	1	2	1	2	3
Weighted Average	2	2	2.5	2	2.75	1.75	2.25	1	1.5	1	2	2.75

Syllabus DSC(3) Syllabus for B.A. Geography (Basic and Honors)

Semester III

Course Code: 221344	Course Title: Fundamentals of Human Geography (Theory) Fundamental Techniques in Human Geography (Practical)
Course Credits: 06 (4:0:2)	Hours of Teaching/Week: 04 (Theory) + 04 (Practical)
Total Contact Hours: 56 Hours (Theory)	Formative Assessment Marks: 40 (Theory) 25 (Practical)
56 Hours (Practical)	
Exam Duration: 2 $\frac{1}{2}$ Hours (Theory) 3 Hours (Practical)	Semester End Examination Marks: 60 (Theory) 25 (Practical)

Course Outcomes (COs)

1. Associate and describe the basic concepts related to the History and evolution of Human Geography.
2. Interpret the concept of culture and cultural diffusion in the realm of Geography.
3. Analyze and describe the dynamics of geographical population and migration.
4. Analyze and demonstrate the nature of economic activities and human settlement

Course Articulation Matrix-221344

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2
CO1	2	2	2	1	-	2	2	1	-	-	-	2
CO2	2	2	1	1	-	2	2	1	1	-	-	2
CO3	2	2	1	1	-	2	2	1	1	-	-	2
CO4	2	2	1	1	-	1	2	1	1	-	-	2
Weighted Average	2	2	1.25	1	-	1.75	2	1	1	-	-	2

OE(3) Geography Syllabus for All Programs(Except Arts) Semester III

Course Code: 22OEGEO301

Course Title: Geography of India

Course Credits: 03 (3:0:0)

Hours of Teaching/Week: 3 Hours
(Theory)

Total Contact Hours: 42 Hours (Theory) Formative Assessment Marks: 40

Exam Duration: 2 $\frac{1}{2}$ Hours (Theory)

Semester End Examination Marks: 60

Course Outcomes (COs):

1. Acquire the knowledge of location, relief features, climate and vegetation of India.
2. Examine and interrelate the Irrigation and Agricultural systems in India.
3. Analyze the nature and challenges associated with natural resources and Industries in Indian context.
4. Describe the modes of transport and communication and analyze the dynamics of Human Population

Course Articulation Matrix-22OEGEO301

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	2	2	2	2	2	3	1	1	1	1	3
CO2	3	2	1	1	2	2	3	1	-	-	1	3
CO3	2	2	1	1	1	2	3	1	-	-	1	3
CO4	2	2	1	1	1	2	3	1	1	-	1	3
Weighted Average	2.5	2	1.25	1.25	1.5	2	3	1	1	1	1	3

OE(3) Geography Syllabus for All Programs(Except Arts) Semester III

Course Code: 22OEGEO302	Course Title: : Application of GIS and Remote sensing
Course Credits: 03 (3:0:0)	Hours of Teaching/Week: 3 Hours (Theory)
Total Contact Hours: 42 Hours (Theory)	Formative Assessment Marks: 40
Exam Duration: 2 ¹ / ₂ Hours (Theory)	Semester End Examination Marks: 60

Course Outcomes (COs):

1. Describe the basic concepts associated with the evolution of remote sensing.
2. Analyze the factors of remote sensing and their application in different areas.
3. Interpret the concepts, components and data structures in GIS.
4. Examine and describe the nature of Data analysis and its application in the context of GIS.

Course Articulation Matrix-22OEGEO302

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2
CO1	2	2	2	1	2	1	2	-	-	-	-	2
CO2	2	2	2	2	2	2	2	1	1	-	1	2
CO3	2	-	2	-	2	1	2	-	-	-	1	2
CO4	2	2	3	2	2	2	2	1	1	-	-	2
Weighted Average	2	2	2.25	1.66	2	1.5	2	1	1	-	1	2

Syllabus DSC (4) Syllabus for B.A. Geography (Basic and Honors) Semester IV

Course Code: 221444	Course Title: India- Resources and Sustainability(Theory) Representation of Indian Geographical featuresand Resources (Practical)
Course Credits: 06 (4:0:2) (Practical)	Hours of Teaching/Week: 04 (Theory) + 04
Total Contact Hours: 56 Hours (Theory) 56 Hours (Practical)	Formative Assessment Marks: 40 (Theory) 25 (Practical)
Exam Duration: 2 $\frac{1}{2}$ Hours (Theory) 3 Hours (Practical)	Semester End Examination Marks: 60 (Theory) 25 (Practical)

Course Outcomes (COs):

1. Associate and explain the different types and factors associated with Physical features in the Indian context.
2. Describe nature and interplay between water and agricultural resources
3. Analyze the origin, significance and challenges associated with Industries, transportation and communication in Indian context.
4. Analyze and interpret the nature and dynamics of Human resources.

Course Articulation Matrix – 221444

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2
CO1	3	2	2	2	2	2	2	1	1	1	2	3
CO2	3	2	-	-	-	3	3	2	1	-	1	3
CO3	2	2	2	1	1	2	3	1	-	-	-	2
CO4	2	2	1	1	-	2	2	1	-	-	-	2
Weighted Average	2.5	2	1.66	1.33	1.5	2.25	2.5	1.25	1	1	1.5	2.5

OE(4) Geography Syllabus for All Programs(Except for Arts) Semester IV

Course Code: 22OEGEO401	Course Title: Geography of Karnataka
Course Credits: 03 (3:0:0)	Hours of Teaching Week: 3 Hours (Theory)
Total Contact Hours: 42 Hours (Theory)	Formative Assessment Marks: 40
Exam Duration: 2 $\frac{1}{2}$ Hours (Theory)	Semester End Examination Marks: 60

Course Outcomes (COs):

1. Acquire the knowledge of basic Physical features , climate and vegetation in reference to specific landscape of Karnataka.
2. Analyze the different aspects of Soil, Irrigation and Agriculture and their interrelation.
3. Examine the natural resources and their utilization in the Industries; especially in special Economic zones (SEZ's).
4. Analyze the emergence and growth of transport and Information technology in the context of Karnataka; and also describe the socio-demographics distinctly .

Course Articulation Matrix – 22OEGEO401

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2
CO1	3	2	2	2	2	2	2	1	1	1	2	3
CO2	3	2	-	-	-	3	3	2	1	-	1	3
CO3	2	2	2	1	1	2	3	1	-	-	-	2
CO4	2	2	1	1	-	2	2	1	-	-	-	2
Weighted Average	2.5	2	1.66	1.33	1.5	2.25	2.5	1.25	1	1	1.5	2.5

OE(4) Geography Syllabus for All Programs(Except for Arts)

Course Code: 22OEGEO402 Course Title: Population and Settlement Geography

Course Credits: 03 (3:0:0) Hours of Teaching/Week: 3 Hours (Theory)

Total Contact Hours: 42 Hours Formative Assessment Marks: 40
(Theory)

Exam Duration: 2¹/₂ Hours (Theory) Semester End Examination Marks: 60

Course Outcomes (COs):

1. Understand the basic concepts of Socio- demographics in Population and Human Settlement.
2. Determine and explain the dynamics of human Demography.
3. Analyze of the interaction between man-environment and its influence on Human settlements.
4. Classify and interpret the nature and structure of Human settlements in rural and urban contexts.

Course Articulation Matrix – 22OEGEO402

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	-	-	1	-	3	3	1	-	-	-	2
CO2	2	2	2	1	1	2	2	2	-	-	-	2
CO3	2	1	1	1	2	-	2	2	1	-	-	2
CO4	2	2	2	2	1	2	2	1	-	-	1	3
Weighted Average	2.25	1.66	1.66	1.25	1.33	2.33	2.25	1.5	1	-	1	2.25

Syllabus DSC (5) Syllabus for B.A. Geography (Basic and Honors)

Semester V

Course Code: 231544	Course Title: Population Resources and Dynamics
Course Credits: 06 (4:0:2)	Hours of Teaching/Week: 04 (Theory)+04 (Practical)
Total Contact Hours: 60Hours(Theory) 60Hours(Practical)	Formative Assessment Marks: 40(Theory) 25 (Practical)
Exam Duration: 2 $\frac{1}{2}$ Hours (Theory) 3 Hours(Practical)	Semester End Examination Marks: 60 (Theory) 25 (Practical)

Course Outcomes (COs)

CO1: Comprehend critically the skills on the demographic composition of a country.

CO2: Examine the dynamics of Geographical Population and Migration

CO3: Evaluate the population resources.

CO4: Analyze population growth issues and challenges&apply various technologies in Representation of demographic data

Course Articulation Matrix-231544

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	2	1	1	-	2	2	2	-	1	-	2
CO2	2	2	1	2	2	1	2	2	2	2	2	2
CO3	2	2	1	2	1	2	2	1	1	2	-	2
CO4	2	2	1	2	1	2	2	1	1	1	1	2
Weighted Average	2	2	1	1.75	1	1.75	2	1.5	1	1.5	0.75	2

Syllabus DSC (6) Syllabus for B.A. Geography (Basic and Honors)

Semester V

Course Code: 231545	Course Title: Fundamentals of Remote Sensing
Course Credits: 06 (4:0:2)	Hours of Teaching/Week: 04(Theory)+04 (Practical)
Total Contact Hours: 60Hours(Theory) 60Hours(Practical)	Formative Assessment Marks: 40(Theory) 25(Practical)
Exam Duration: 2 $\frac{1}{2}$ Hours (Theory) 3 Hours(Practical)	Semester End Examination Marks: 60(Theory) 25(Practical)

Course Outcomes (COs)

CO1: Interpret the components, history of remote sensing and the types of remote sensors and their platforms

CO2: Interpret aerial photographs and identify the digital and analog data.

CO3: Evaluate the applications of remote sensing and the new satellite programs of India.

CO4: Analyze the ground truth verification using Google Earth and evaluate its usefulness

Course Articulation Matrix-231545

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO 12
CO1	2	2	2	1	2	-	2	-	1	-	2	2
CO2	2	2	1	1	2	-	2	-	1	-	1	2
CO3	2	1	1	1	1	-	1	-	1	1	1	2
CO4	2	2	1	1	2	1	2	-	1	1	-	2
Weighted Average	2	1.75	1.25	1	1.75	0.25	1.75	-	1	0.50	1	2

Syllabus DSC (7) Syllabus for B.A. Geography (Basic and Honors)

Semester VI

CourseCode: 231644	Course Title: Environmental Geography
CourseCredits: 06 (4:0:2)	Hours of Teaching/Week: 04(Theory)+04 (Practical)
Total Contact Hours: 60Hours(Theory) 60Hours(Practical)	Formative Assessment Marks: 40(Theory) 25(Practical)
Exam Duration: 2 $\frac{1}{2}$ Hours (Theory) 3 Hours(Practical)	SemesterEndExaminationMarks: 60(Theory) 25(Practical)

Course Outcomes (COs)

- CO1. Comprehend the interdisciplinary nature and the relationship between man and the Environment.
- CO2. Analyze the functioning of ecosystems and its impact on human activity and global ecological changes.
- CO3. Evaluate man-made changes like pollution, environmental hazards, and the depletion of natural resources.
- CO4. Examine Environmental policy, impact assessment and conservation measures.

Course Articulation Matrix-231644

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	1	1	1	1	1	2	1	1	1	-	2
CO2	2	2	-	1	-	1	2	2	1	1	2	2
CO3	2	2	2	1	1	2	2	2	1	1	-	2
CO4	2	2	-	-	1	-	2	1	-	-	-	2
Weighted Average	2	1.75	0.75	0.75	0.75	1	2	1.75	0.75	0.75	0.25	2

Syllabus DSC (8) Syllabus for B.A. Geography (Basic and Honors)

Semester VI

Course Code: 231645	Course Title: Fundamentals of Geographic Information Systems
Course Credits: 06 (4:0:2)	Hours of Teaching/Week: 04(Theory)+04 (Practical)
Total Contact Hours: 60Hours(Theory) 60Hours(Practical)	Formative Assessment Marks: 40(Theory) 25(Practical)
Exam Duration: 2 $\frac{1}{2}$ Hours (Theory) 3 Hours(Practical)	Semester End Examination Marks: 60(Theory) 25(Practical)

Course Outcomes (COs)

CO1: Study the definition, components and interdisciplinary domains of GIS.

CO2: Apply geodesy and spatial mathematics for measuring distances and coordinates.

CO3: Analyze the spatial data structures, sources, errors & scales for precision & accuracy.

CO4: Execute geo-processing and visualization techniques including spatial and non-spatial queries.

Course Articulation Matrix-231645

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	-	1	-	1	-	2	-	1	1	-	2
CO2	2	-	1	-	2	-	2	-	2	-	-	2
CO3	2	1	1	1	1	-	2	-	-	-	-	2
CO4	2	1	1	-	1	-	2	-	-	--	-	2
Weighted Average	2	0.50	1	0.25	1.25	-	2	-	0.75	0.25	-	2

DEPARTMENT OF HISTORY

BA Semester-1

DSC-1

Course Code : 211129

Course Title: Introduction to Ancient World Civilizations	
Total Contact Hours: 39 to 42	Course Credits: 3
Formative Assessment Marks: 40	Duration of ESA/Exam: 60
Syllabus Authors: BOS (UG)	Summative Assessment Marks: 100

Course Outcomes (COs):

- CO1.** Acquire knowledge of Ancient Civilizations across the world and geographical influences which aided the establishment of these Civilizations.
- CO2.** Analyze and Trace the evolution of political history, socio-economic characteristics of the different Civilizations and the ideas of theocracy and statehood during this time.
- CO3.** Acquire knowledge of various contributions in the fields on religion, law, education, language, literature, science mathematics, art and architecture.

Course Articulation Matrix - 211129

COs/ POS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	1	1	1	1	2	1	2	3	1	-	2
CO2	3	1	1	-	1	2	1	2	2	1	1	2
CO3	3	1	1	-	-	2	1	2	3	1	1	2
Weighted Average	3	1	1	1	1	2	1	2	2.66	1	1	2

BA Semester-1

DSC-2

Course Code : 211130

Course Title: History of Ancient India (From Earliest Times to 1206 CE)	
Total Contact Hours: 39 to 42	Course Credits: 3
Formative Assessment Marks: 40	Duration of ESA/Exam: 60
Syllabus Authors: BOS (UG)	Summative Assessment Marks: 100

Course Outcomes (COs):

- CO1.** Gain an extensive insight of the political developments in Ancient India and familiar with development of Human Evolution and Material Culture in the Indian sub-continent.
- CO2.** Analyze sources in different forms to study the history of Ancient India. Capture a glimpse of the evolving socio- cultural and religious diversities and dissents of Ancient India.
- CO3.** Understand the progress of early State formations and political structures in Ancient India.

Course Articulation Matrix - 211130

COs/ POS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	1	-	1	1	2	1	2	1	1	-	2
CO2	3	1	1	1	1	2	1	2	1	1	2	2
CO3	3	-	1	1	-	2	1	2	2	1	1	2
Weighted Average	3	1	1	1	1	2	1	2	1.33	1	1.5	2

BA Semester-1
Open Elective

OE-1

Course Code: 21OEHIS101

Course Title: Cultural Heritage of India	
Total Contact Hours: 39 to 42	Course Credits: 3
Formative Assessment Marks: 40	Duration of ESA/Exam: 60
Syllabus Authors: BOS (UG)	Summative Assessment Marks: 100

Course Outcomes (COs):

- CO1.** Provide an insight about an extensive survey of heritage of India and familiarize oneself with Indian history and culture
- CO2.** Expertize to analyse further development of culture of India and the factor responsible for origin and decline of culture
- CO3.** Provide the opportunity to understand the process of cultural development

Course Articulation Matrix - Course Code: 21OEHIS101

COs/ POS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	1	1	1	1	2	1	3	2	1	1	2
CO2	3	1	-	1	-	2	1	2	1	1	-	2
CO3	2	1	1	1	1	2	1	2	1	1	1	2
Weighted Average	2.66	1	1	1	1	2	1	2.33	1.33	1	1	2

BA Semester-1
Open Elective

OE-1

Course Code: 21OEHIS102

Course Title: Introduction to Archaeology	
Total Contact Hours: 39 to 42	Course Credits: 3
Formative Assessment Marks: 40	Duration of ESA/Exam: 60
Syllabus Authors: BOS (UG)	Summative Assessment Marks: 100

Course Outcomes (COs):

- CO1.** Understand the concept of Archaeology as an ancillary for study of history and the various features of Archaeology in understanding history
- CO2.** Familiarize with the scope of Archaeology. Understand the various tools and techniques imbibed in Archaeology
- CO3.** Study various schools of disciplines of Archaeology.

Course Articulation Matrix - Course Code: 21OEHIS102

COs/ POS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	1	1	1	1	2	1	2	2	1	1	2
CO2	2	1	1	1	1	2	1	2	2	1	1	2
CO3	2	-	1	-	-	3	1	3	1	1	1	2
Weighted Average	2	1	1	1	1	2.33	1	2.33	1.66	1	1	2

BA Semester-2

DSC-3

Course Code : 211229

Course Title : Introduction to Medieval World Civilization	
Total Contact Hours: 39 to 42	Course Credits: 3
Formative Assessment Marks: 40	Duration of ESA/Exam: 60
Syllabus Authors: BOS (UG)	Summative Assessment Marks: 100

Course Outcomes (COs):

- CO1. Understand the geographic limitations and advantages that contributed to the rise of different civilizations in the medieval world.
- CO2. Get information on the development of religious traditions and organizations in the medieval world and understand the growth of Feudalism and European towns in the middle ages.
- CO3. Indicate the causes and impact of the Crusades in the Medieval Europe. Derive the influences of Oriental Civilizations on Medieval Europe. Illuminate the aspects of Economy and its development in Medieval Western Europe.

Course Articulation Matrix – 211229

COs/ POS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	1	2	2	1	2	1	2	1	1	1	2
CO2	2	2	1	1	2	2	1	2	1	1	1	2
CO3	2	-	1	1	1	2	1	2	1	1	1	2
Weighted Average	2	1.5	1.33	1.33	1.33	2	1	2	1	1	1	2

BA Semester-2

DSC-4

Course Code : 211230

Course Title : History of Medieval India (1206-1761)	
Total Contact Hours: 39 to 42	Course Credits: 3
Formative Assessment Marks: 40	Duration of ESA/Exam: 60
Syllabus Authors: BOS (UG)	Summative Assessment Marks: 100

Course Outcomes (COs):

- CO1.** The students will get the knowledge of the political history of Delhi Sultanate, Mughals and Marathas. To analyze the changes in state and society under the Delhi Sultanates with respect to their administrative structure and theory of state/kingship of the Delhi Sultanate.
- CO2.** Understand the critical historiographical approaches on the State and also the Decline of the Delhi Sultans and Mughal Empire. To understand the fusion of art, architecture, literature, language and fine arts in medieval India under Islamic and Hindu styles.
- CO3.** To understand the significance of the Bhakti and Sufi Movements and their impact on the socio-cultural sphere.

Course Articulation Matrix- 211230

COs/ POS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	1	1	1	2	3	1	3	1	1	-	2
CO2	3	1	2	1	-	2	1	3	1	1	1	2
CO3	3	1	-	1	1	3	1	3	1	1	1	2
Weighted Average	3	1	1.5	1	1.5	2.66	1	3	1	1	1	2

BA Semester-2

Open Elective

OE-2

Course Code: 21OEHIS201

Course Title: Cultural Heritage of Karnataka	
Total Contact Hours: 39 to 42	Course Credits: 3
Formative Assessment Marks: 40	Duration of ESA/Exam: 60
Syllabus Authors: BOS (UG)	Summative Assessment Marks: 100

Course Outcomes (COs):

- CO1.** Understand the concept of cultural heritage of Karnataka and study of various cultural factors which influence the flow of culture in society.
- CO2.** Analyze the factors responsible for formation of pluralistic society.
- CO3.** Understand the concept “Unity in Diversity”.

Course Articulation Matrix - Course Code: 21OEHIS201

COs/ POS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	-	-	-	-	3	1	3	1	1	-	2
CO2	3	-	-	-	-	3	1	3	1	1	-	2
CO3	2	-	-	-	-	2	1	2	1	1	-	2
Weighted Average	2.66	-	-	-	-	2.66	1	2.66	1	1	-	2

BA Semester-2
Open Elective

OE-2

Course Code: 21OEHIS202

Course Title : Manuscriptology	
Total Contact Hours: 39 to 42	Course Credits: 3
Formative Assessment Marks: 40	Duration of ESA/Exam: 60
Syllabus Authors: BOS (UG)	Summative Assessment Marks: 100

Course Outcomes (COs):

- CO1.** Understand the importance of manuscripts. Manuscripts as an ancillary for study of history, and the concept of cataloguing of manuscripts.
- CO2.** Practice the Science of conservation and preservation of manuscripts.
- CO3.** Visit Libraries and Achieves to study conservation and preservation.

Course Articulation Matrix - 21OEHIS202

COs/ POS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	-	-	-	-	1	1	1	1	1	-	2
CO2	2	1	1	1	1	1	-	1	2	1	1	2
CO3	2	1	1	1	1	1	-	1	2	1	1	2
Weighted Average	2	1	1	1	1	1	1	1	1.66	1	1	2

II BA – III Semester

DSC-5

Course Code: 221329

Course Title: Rise of Modern West (1600-1871)	
Total Contact Hours: 39 to 42	Course Credits: 3
Formative Assessment Marks: 40	Duration of ESA/Exam: 60
Syllabus Authors: BOS (UG)	Summative Assessment Marks: 100

Course Outcomes (Cos):

CO1. Comprehend how the geographical discoveries impact on the economy, polity and society of Western Countries. Students will develop an understanding of the significant transformation in European polity and society between sixteenth to nineteenth centuries.

CO2. Acquire the knowledge of various themes like capitalism, mercantilism, Renaissance and Reformation. Understand how scientific view helps western countries to achieve scientific revolution and industrial revolution.

CO3. Recognize how the liberal and democratic ideas helped to achieve all round developments in western world.

Course Articulation Matrix – 221329

COs/ POS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	1	2	1	2	3	1	3	3	1	1	3
CO2	3	1	2	-	2	3	1	3	3	1	1	2
CO3	3	1	2	1	2	3	1	3	3	1	1	2
Weighted Average	3	1	2	1	2	3	1	3	3	1	1	2.33

II BA – III Semester

DSC-6

Course Code: 221330

Course Title: History of Modern India 1757-1947	
Total Contact Hours: 39 to 42	Course Credits: 3
Formative Assessment Marks: 40	Duration of ESA/Exam: 60
Syllabus Authors: BOS (UG)	Summative Assessment Marks: 100

Course Outcomes (Cos):

- CO1.** The students will be able to trace the British colonial expansion in the political contacts of 18th century India. They will learn about the changes in society, politics, religion and economy during the period. They will also acquire knowledge about the freedom struggle.
- CO2.** The contents of the syllabus are designed to cover core issues pertaining to vast canvass of nationalist history so that the student at the under graduate level is equipped to focus upon the core ideas of national movement in its conceptuality. India's national movement has vast and divergent ideological base with inner contradictions.
- CO3.** Understand how the colonial rule was overthrown by the Indian nationalists. Identify the various phases of National Movement. Appreciate the ideals and values of Gandhi that resulted in freedom.

Course Articulation Matrix – 221330

COs/ POS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	1	1	1	2	3	1	3	3	1	1	2
CO2	3	1	1	-	2	3	1	3	3	1	1	2
CO3	3	1	2	1	2	2	1	3	3	1	1	2
Weighted Average	3	1	1.33	1	2	2.66	1	3	3	1	1	2

II BA – III Semester

OE: 3

Course Code: 22OEHIS301

Course Title: Freedom Struggle in India (1857-1947)	
Total Contact Hours: 39 to 42	Course Credits: 3
Formative Assessment Marks: 40	Duration of ESA/Exam: 60
Syllabus Authors: BOS (UG)	Summative Assessment Marks: 100

Course Outcomes (Cos):

CO1. Identify the causes that led to the rise of nationalism in India. Understand the various stages of the National Movement in India.

CO2. Trace the emergence of Indian National Congress.

CO3. Realize the harmful effects of division and disintegration. Develop a sense of patriotism, cooperation and belongingness

Course Articulation Matrix - 22OEHIS301

COs/ POS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	1	2	1	1	2	1	3	2	1	1	2
CO2	2	1	-	1	1	1	1	2	2	1	-	2
CO3	3	1	1	-	1	1	-	2	2	1	1	2
Weighted Average	3	1	1.5	1	1	1.33	1	2.33	2	1	1	2

II BA – III Semester

OE-3

Course Code: 22OEHIS302

Course Title: Introduction to Epigraphy	
Total Contact Hours: 39 to 42	Course Credits: 3
Formative Assessment Marks: 40	Duration of ESA/Exam: 60
Syllabus Authors: BOS (UG)	Summative Assessment Marks: 100

Course Outcomes (Cos):

- CO1.** To understand the definition and importance of Palaeography, Brahmi, Kharosti scripts, dating and Eras and identify the writing materials – Engraving – forged records – Seals.
- CO2.** To understand the Evolution and Development of one of the scripts mentioned above with reference to estampages and understanding the differences and similarities of inscriptions of North and South India.
- CO3.** To learn about Practical Training in taking estampages of stone and copper plate inscriptions.

Course Articulation Matrix - Course Code: 22OEHIS302

COs/ POS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	2	2	1	2	1	1	3	3	2	1	2
CO2	3	2	2	1	2	1	1	3	2	2	-	2
CO3	2	2	1	1	2	1	1	2	2	1	1	2
Weighted Average	2.66	2	1.66	1	2	1	1	2.66	2.33	1.66	1	2

II BA – IV Semester

DSC-7

Course Code: 221429

Course Title: History of Karnataka (From Earliest times to 10th Century CE)	
Total Contact Hours: 39 to 42	Course Credits: 3
Formative Assessment Marks: 40	Duration of ESA/Exam: 60
Syllabus Authors: BOS (UG)	Summative Assessment Marks: 100

Course Outcomes (Cos):

- CO1.** Develop a bird view on the historical development of Polity, economy and culture of Karnataka. Cultural transitions of Karnataka from earliest times to 10th century CE.
- CO2.** To understand how the different ruling powers develop a harmony in society through their religious policies.
- CO3.** Develop a strong cultural understanding of Karnataka's language, literature and different cultural aspects. To identify the makers of Karnataka and how they helped to preserve the continuity of long cultural heritage.

Course Articulation Matrix – 221429

COs/ POS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	1	1	1	1	3	1	2	2	2	1	2
CO2	3	1	-	-	-	2	1	1	2	1	-	2
CO3	3	-	1	1	-	2	1	2	2	1	1	2
Weighted Average	3	1	1	1	1	2.33	1	1.66	2	1.33	1	2

II BA – IV Semester

DSC-8

Course Code: 221430

Course Title: History of Modern Europe (1871-1945)	
Total Contact Hours: 39 to 42	Course Credits: 3
Formative Assessment Marks: 40	Duration of ESA/Exam: 60
Syllabus Authors: BOS (UG)	Summative Assessment Marks: 100

Course Outcomes (Cos):

CO1. It provides a critical overview of the Europe from 1871 to 1945. It shall also trace the patterns and outcomes of social upheaval throughout Europe in the first half of 19th century. To understand the debates on the development and impact of industrial capitalism. The birth of new social movements, political ideas and structures shall be contextualized within developing capitalism of the nineteenth century. And investigates the political, social and economic developments that shaped and continue to shape the modern age.

CO2. Students would be expected to develop on her/his understanding of the social and economic dimensions of the Industrial revolution in eighteenth century Britain to compare and understand the specific case studies of France. Germany and Russia in the nineteenth century.

CO3. Examined changes since the 18th century in European social economic and political structure. Locating Europe's place in World history its development.

Course Articulation Matrix – 221430

COs/ POS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	1	1	1	1	2	1	2	2	1	-	2
CO2	2	1	-	-	-	1	1	2	2	1	1	2
CO3	2	1	1	1	-	1	1	2	2	1	1	2
Weighted Average	2.33	1	1	1	1	1.33	1	2	2	1	1	2

II BA – IV Semester

OE-4

Course Code: 22OEHIS401

Course Title: Freedom Movements in Karnataka (1800-1947)	
Total Contact Hours: 39 to 42	Course Credits: 3
Formative Assessment Marks: 40	Duration of ESA/Exam: 60
Syllabus Authors: BOS (UG)	Summative Assessment Marks: 100

Course Outcomes (Cos):

- CO1.** Understand nature of freedom struggle in Karnataka and analyses the different stages of freedom struggle in Karnataka
- CO2.** To know the Swadeshi and Non-Cooperation Movement in Karnataka
- CO3.** To know the influence of Gandhi on freedom struggle and understand the prominent freedom fighters of Karnataka

Course Articulation Matrix - Course Code: 22OEHIS401

COs/ POS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	-	-	1	-	2	2	2	2	1	1	2
CO2	2	-	-	-	-	2	2	2	2	1	-	2
CO3	3	1	1	1	-	2	1	2	2	1	1	2
Weighted Average	2.66	1	1	1	-	2	1.66	2	2	1	1	2

II BA – IV Semester

OE.-4

Code: 22OEHIS402

Course Title: Principles and Practice of Museology	
Total Contact Hours: 39 to 42	Course Credits: 3
Formative Assessment Marks: 40	Duration of ESA/Exam: 60
Syllabus Authors: BOS (UG)	Summative Assessment Marks: 100

Course Outcomes (Cos):

- CO1.** Understand the concepts of Museum, Museology, Museographer. Learn how to make museum and cultural center as a destination of cultural tourism
- CO2.** To identify properly both Cultural and Natural Heritage objects and other cultural organizations as resource center for local communities. To know the acquisition methods, proper collection of objects for cultural centers
- CO3.** Documentation of Tangible, Intangible and Natural Heritage objects

Course Articulation Matrix - Course Code: 22OEHIS402

COs/ POS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	2	2	1	1	2	1	2	3	1	1	2
CO2	2	2	2	1	1	2	1	2	3	1	1	2
CO3	2	-	1	-	-	1	-	1	2	1	-	2
Weighted Average	2	2	1.66	1	1	1.66	1	1.66	2.66	1	1	2

DSC-9 History of Karnataka (From 11th Century to 1761 CE)

V Semester

Course Title: History of Karnataka (From 11th Century to 1761 CE)	
Total Contact Hours: 60	Course Credits: 4
Formative Assessment Marks: 40	Duration of ESA/Exam: 60
Syllabus Authors: BOS (UG)	Summative Assessment Marks: 100

Course Outcomes (COs):

CO 1 : To understand how Chaluckyas of Kalyana came to power, significant progress in polity, cultural both in the Art & Architecture during the rule of Kalachuris and Hoysalas.

CO 2 : To know the establishment of Vijayanagara Empire and Bahammani kingdom and they played a great role in the history of Karnataka

CO 3 : To learn about the strong Muslim shahi states, Wadeyar Dynasty founded as a feudatory principality & it's turning point in the history of Karnataka

Course Articulation Matrix - Course Code: 231529

COs/ POS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	2	2	1	2	1	1	3	3	2	1	2
CO2	3	2	2	1	2	1	1	3	2	2	-	2
CO3	2	2	1	1	2	1	1	2	2	1	1	2
Wtd. Avg.	2.66	2	1.66	1	2	1	1	2.66	2.33	1.66	1	2

DSC-10 India and its Neighbors (1947 to 2020)

V Semester

Course Title: India and its Neighbors (1947 to 2020)	
Total Contact Hours:60	Course Credits: 4
Formative Assessment Marks: 40	Duration of ESA/Exam: 60
Syllabus Authors: BOS (UG)	Summative Assessment Marks: 100

Course Outcomes (COs):

- CO 1:** To Acquire knowledge of India & its Neighbors, foreign policy, the highs and lows of India's foreign relations.
- CO 2:** To comprehend the role of Indian Ocean, SAARC, SAPTA and National development.
- CO 3:** To recognize India's trends in relations and challenges, opportunities & future prospects.

Course Articulation Matrix – 231530

COs/ POS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	1	1	1	1	2	1	2	2	1	-	2
CO2	2	1	-	-	-	1	1	2	2	1	1	2
CO3	2	1	1	1	-	1	1	2	2	1	1	2
Wtd. Avg.	2.33	1	1	1	1	1.33	1	2	2	1	1	2

DSC-11 Colonialism and Nationalism in Asia

V Semester

Course Title: Colonialism and Nationalism in Asia	
Total Contact Hours: 60	Course Credits: 4
Formative Assessment Marks: 40	Duration of ESA/Exam: 60
Syllabus Authors: BOS(UG)	Summative Assessment Marks: 100

Course Outcomes (COs):

CO 1: To understand about the familiarities with history of modern Asia.

CO 2: To get an acquainted with Colonialism & Nationalism & its effects in Asia.

CO 3: To acquire knowledge of Global Crisis and historical movements.

Course Articulation Matrix - 231531

COs/ POS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	1	1	1	1	2	1	2	2	1	-	2
CO2	2	1	-	-	-	1	1	2	2	1	1	2
CO3	2	1	1	1	-	1	1	2	2	1	1	2
Weighted Average	2.33	1	1	1	1	1.33	1	2	2	1	1	2

DSC-12 History of Karnataka (From 1761-1956)

V Semester

Course Title: History of Karnataka (From 1761-1956)	
Total Contact Hours: 60	Course Credits: 4
Formative Assessment Marks:40	Duration of ESA/Exam:60
Syllabus Authors: BOS(UG)	Summative Assessment Marks:100

Course Outcomes (COs):

- CO 1:** To know about the history of modern Mysore, especially rule of Wodeyars and muslim dictators.
- CO 2:** To get acquainted with nature of colonial rule in Mysore &Coorg.
- CO3:** To comprehend how the Kannadigas played a role in the Karnataka freedom movement.

Course Articulation Matrix - Course Code: 231629

COs/ POS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	2	2	1	2	1	1	3	3	2	1	2
CO2	3	2	2	1	2	1	1	3	2	2	-	2
CO3	2	2	1	1	2	1	1	2	2	1	1	2
Wtd. Avg.	2.66	2	1.66	1	2	1	1	2.66	2.33	1.66	1	2

DSC-13 Regional History - Modern Mysore (1881-1947)

VI Semester

Course Title: Regional History-Modern Mysore (1881-1947)	
Total Contact Hours:60	Course Credits: 4
Formative Assessment Marks:40	Duration of ESA/Exam: 60
Syllabus Authors: BOS(UG)	Summative Assessment Marks: 100

Course Outcomes(COs):

CO 1 : To acquire knowledge about the history of modern Mysore.

CO 2 : To understand the role of British commissioners in princely state of Mysore.

CO3 : To learn the rise & Growth of Backward class & National movement in Mysore.

Course Articulation Matrix - Course Code: 231630

COs/ POS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	2	2	1	2	1	1	3	3	2	1	2
CO2	3	2	2	1	2	1	1	3	2	2	-	2
CO3	2	2	1	1	2	1	1	2	2	1	1	2
Weighted Average	2.66	2	1.66	1	2	1	1	2.66	2.33	1.66	1	2

DSC-14 History of China and Japan

VI Semester

Course Title: History of China and Japan	
Total Contact Hours:60	Course Credits: 4
Formative Assessment Marks:40	Duration of ESA/Exam:60
Syllabus Authors:BOS(UG)	Summative Assessment Marks:100

Course Outcomes(COs):

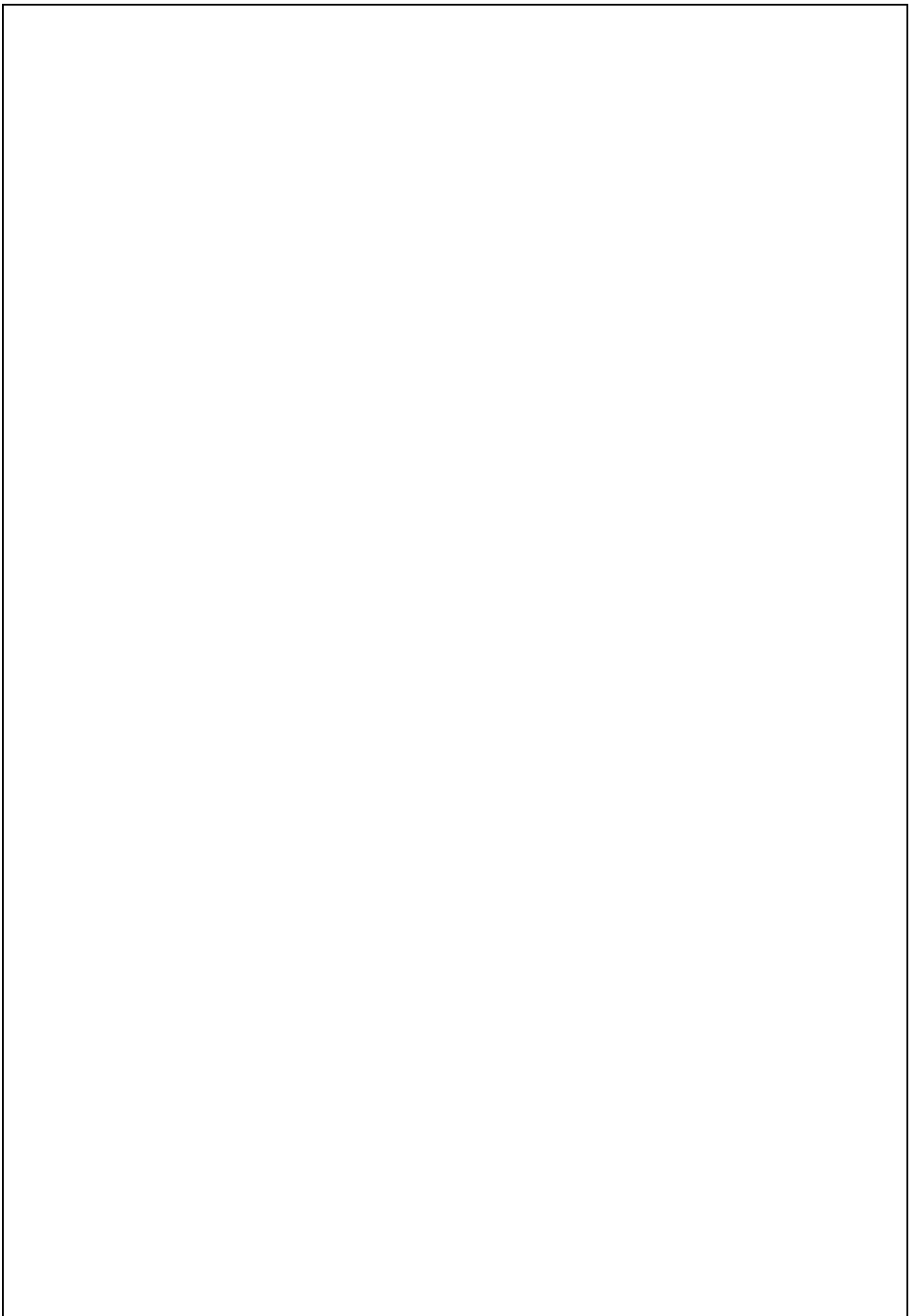
CO 1 : To get acquainted how to transform the Chinese society from traditional to modern culture.

CO2 : To comprehend how the Chinese were united towards the foreign colonial powers & defeated them.

CO 3 : To get knowledge in critical thinking & identify historical themes in modern east Asia.

Course Articulation Matrix - 231631

COs/ POS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	1	1	1	1	2	1	2	2	1	-	2
CO2	2	1	-	-	-	1	1	2	2	1	1	2
CO3	2	1	1	1	-	1	1	2	2	1	1	2
Weighted Average	2.33	1	1	1	1	1.33	1	2	2	1	1	2



DEPARTMENT OF JOURNALISM

DSC (1) Syllabus for BA Journalism and Mass Communication

Semester I

Course Code: 211158

Course Title:

DSC (1) Introduction to Journalism

DSC (1) Introduction to Journalism Practical

Course Credits: 6 (4:0:2)

Total Contact Hours: 56 Hours (Theory)

56 Hours (Practical)

Hours of Teaching/Week: 04 (Theory) + 4 (Practical)

Formative Assessment Marks: 40 (Theory)

25 (Practical)

Exam Duration: 2½ Hours (Theory)

3 Hours (Practical)

Semester End Examination Marks: 60 (Theory)

25 (Practical)

Course Outcomes (COs):

CO1. Comprehend the history and development of Journalism and Mass Communication at various levels of the society and its role with respect to modern day technology.

CO2. Analyze facets of Journalism through elementary knowledge of the role and importance of Journalism and Mass Communication at Media Platforms.

CO3. Empower society with reference to the contributions of the renowned journalists. CO4. Inculcate Moral and Ethical Values of Journalism.

Course Articulation Matrix - 211158

COs/ POS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	1	1	1	1	2	1	3	1	3	-	2
CO2	3	1	1	-	-	2	1	3	1	3	-	2
CO3	3	1	1	-	-	2	1	3	1	3	-	2
CO4	3	1	1	1	1	2	1	3	1	3	-	2
Weighted Average	3	1	1	1	1	2	1	3	1	3	-	2

OE (1) Syllabus for BA Journalism and Mass Communication

Semester I

Course Code: 21OEJOU101

Course Title:
OE (1) Writing for Media

Course Credits: 3 (3:0:0)

Hours of Teaching/Week: 03 Hours (Theory)

Total Contact Hours: 42 Hours (Theory)

Formative Assessment Marks: 40

Exam Duration: 2½ Hours (Theory)

Semester End Examination Marks: 60

Course Outcomes (COs):

CO1. Acquire hand-on training in content writing, art of headline writing, rewriting and translation for various media.

CO2. To instill and cover and write balanced reports through objectivity, accuracy, and brevity and understand the duties and qualities of a responsible Media Person.

CO3. To equip the students with recent trends in media writing. Acquire the knowledge of Radio and Television News Production and Social Media.

Course Articulation Matrix - 21OEJOU101

COs/POS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	1	1	1	1	1	1	2	2	3	-	2
CO2	2	1	1	1	1	1	1	2	2	3	-	2
CO3	2	1	1	1	1	1	1	2	2	3	-	2
Weighted Average	2	1	1	1	1	1	1	2	2	3	-	2

DSC (2) Syllabus for BA Journalism and Mass Communication

Semester II

Course Code: 211258

Course Title:

DSC (2) Computer Applications for Media

DSC (2) Computer Applications for Media Practical

Course Credits: 6 (4:0:2)

Total Contact Hours: 56 Hours (Theory)

56 Hours (Practical)

Hours of Teaching/Week: 04 (Theory) + 4 (Practical)

Formative Assessment Marks: 40 (Theory)

25 (Practical)

Exam Duration: 2½ Hours (Theory)

3 Hours (Practical)

Semester End Examination Marks: 60 (Theory)

25 (Practical)

Course Outcomes (COs):

CO1. Ability to learn & understand the basic concepts of Computer basics and fundamentals.

CO2. Acquire hand-on training in various applications of computers used in print and Electronic Media.

CO3. Demonstrate the capability of creating and designing the Newspapers.

CO4. Comprehend the knowledge of Media Applications like PageMaker, In design, Photoshop, MS Office, Internet and New Media.

Course Articulation Matrix – 211258

COs/ POS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	PO 11	PO 12
CO1	3	1	1	1	1	1	1	2	2	2	-	2
CO2	3	1	1	1	1	1	1	2	2	2	-	2
CO3	3	1	1	1	1	1	1	2	2	2	-	2
CO4	3	1	1	1	1	1	1	2	2	2	-	2
Weighted Average	3	1	1	1	1	1	1	2	2	2	-	2

OE (2) Syllabus for BA Journalism and Mass Communication

Semester I

Course Code: 21OEJOU201

Course Title:
OE (2) Photo Journalism

Course Credits: 3 (3:0:0)

Hours of Teaching/Week: 03 Hours (Theory)

Total Contact Hours: 42 Hours (Theory)

Formative Assessment Marks: 40

Exam Duration: 2½ Hours (Theory)

Semester End Examination Marks: 60

Course Outcomes (COs):

- CO1. Ability to learn the history of Photography and Photo Journalism.
- CO2. Acquire the knowledge digital technology in photography and various types of cameras, its components and accessories
- CO3. Inculcate the legal and ethical aspects of photography and photo journalism.

Course Articulation Matrix: 21OEJOU201

COs/ POS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	PO 11	PO 12
CO1	2	1	1	1	1	1	1	2	2	3	-	2
CO2	2	1	1	1	1	1	1	2	2	3	-	2
CO3	2	1	1	1	1	1	1	2	2	3	-	2
Weighted Average	2	1	1	1	1	1	1	2	2	3	-	2

DSC (3) Syllabus for BA Journalism and Mass Communication

Semester III

Course Code: 221358

Course Title:
DSC (3) News Reporting and Analysis
DSC (3) News Reporting and Analysis Practical

Course Credits: 6 (4:0:2)

Hours of Teaching/Week: 04 (Theory) + 4 (Practical)

Total Contact Hours: 56 Hours (Theory)
56 Hours (Practical)

Formative Assessment Marks: 40 (Theory)
25 (Practical)

Exam Duration: 2½ Hours (Theory)
3 Hours (Practical)

Semester End Examination Marks: 60 (Theory)
25 (Practical)

Course Outcomes (COs):

CO1. Inculcate techniques of Journalism by critically, creatively and independently to evaluate the concept of News.

CO2. Empower the society by write unbiased reports through objectivity, accuracy, and brevity and understand the duties and qualities of a responsible reporter.

CO3. Demonstrate the ability to Copy Edit and Techniques of Reporting. Write different leads, the body text and ending.

CO4. Analyze facets of interviewing and newsgathering skills and headline writing, rewriting and translation and familiarize the concept of page layout design.

Course Articulation Matrix - 221358

COs/ POS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	1	1	1	1	2	1	2	2	3	-	2
CO2	3	1	1	1	1	2	1	2	2	3	1	2
CO3	3	1	1	1	1	2	1	2	2	3	1	2
CO4	3	1	1	1	1	2	1	2	2	3	-	2
Weighted Average	3	1	1	1	1	2	1	2	2	3	1	2

OE(3) Syllabus for BA Journalism and Mass Communication

Semester III

Course Code: 22OEJOU301

Course Title:
OE (3) Feature Writing and Freelancing

Course Credits: 3 (3:0:0)

Hours of Teaching/Week: 03 Hours (Theory)

Total Contact Hours: 42 Hours (Theory)

Formative Assessment Marks: 40

Exam Duration: 2½ Hours (Theory)

Semester End Examination Marks: 60

Course Outcomes (COs):

CO1. Comprehend the development of feature and various levels of Feature Writing use narrative techniques to construct Feature Stories.

CO2. Empower society with reference to the contributions of Freelancer, tool to capture events, scenes and anecdotes to make stories more vivid to the reader.

CO3. Analyze the various facets of interviews based on current issues.

Course Articulation Matrix - 22OEJOU301

COs/ POS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	1	1	1	1	2	1	2	2	3	1	2
CO2	3	1	1	1	1	2	1	2	2	3	1	2
CO3	3	-	-	-	1	2	1	2	2	3	-	2
Weighted Average	3	1	1	1	1	2	1	2	2	3	1	2

DSC(4) Syllabus for BA Journalism and Mass Communication Semester IV

Course Code: 221458

Course Title:
DSC (4) News Processing & Editing
DSC (4) News Processing & Editing Practical

Course Credits: 6 (4:0:2)

Hours of Teaching/Week: 04 (Theory) + 4 (Practical)

**Total Contact Hours: 56 Hours (Theory)
56 Hours (Practical)**

**Formative Assessment Marks: 40 (Theory)
25 (Practical)**

**Exam Duration: 2½ Hours (Theory)
3 Hours (Practical)**

**Semester End Examination Marks: 60 (Theory)
25 (Practical)**

Course Outcomes (COs):

CO1. Demonstrate the ability to copyedit to AP Style specifications for print and plan and design news publications.

CO2. Inculcating the art of headline writing, rewriting and translation and familiarize the concept of page layout design.

CO3. Analyze the importance of media laws and ethical issues which will convince the budding journalists to engage in their career assignments without compromising the professional and ethical standards.

CO4. Comprehend the history and infrastructure of Newspaper Organization in detail.

Course Articulation Matrix - 221458

COs/ POS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	2	2	2	2	2	1	2	2	3	1	2
CO2	3	-	-	-	-	2	1	2	2	3	-	2
CO3	3	-	2	-	2	2	1	2	2	3	1	2
CO4	3	-	2	-	2	2	1	2	2	3	-	2
Weighted Average	3	2	2	2	2	2	1	2	2	3	1	2

OE (4) Syllabus for BA Journalism and Mass Communication

Semester IV

Course Code: 22OEJOU401

Course Title:
OE (4) Translation for Media

Course Credits: 3 (3:0:0)

Hours of Teaching/Week: 03 Hours (Theory)

Total Contact Hours: 42 Hours (Theory)

Formative Assessment Marks: 40

Exam Duration: 2½ Hours (Theory)

Semester End Examination Marks: 60

Course Outcomes (COs):

CO1. Comprehend the development of feature and various levels of Feature Writing use narrative techniques to construct Feature Stories.

CO2. Empower society with reference to the contributions of Freelancer, tool to capture events, scenes and anecdotes to make stories more vivid to the reader.

CO3. Inculcating the concept of Translation, Process, Principles and Techniques of Translation.

Course Articulation Matrix - 22OEJOU401

COs/ POS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	1	-	1	1	1	1	1	2	2	-	2
CO2	2	1	-	1	1	1	1	1	2	2	-	2
CO3	2	1	-	1	1	1	1	1	2	2	-	2
Weighted Average	2	1	-	1	1	1	1	1	2	2	-	2

DSC(5) Journalism And Mass Communication Syllabus for B.A

(Basic and Honors)

Semester: V

Course Code: 231558	Course Title: DSC(5) : Introduction To Communication DSC(5) : Lab :Theory based Practical's on Introduction To Communication
Course Credits: 06 (4:0:2)	Hours of Teaching/Week: 04 (Theory) + 04 (Practical)
Total Contact Hours: 60 Hours (Theory) 60 Hours (Practical)	Formative Assessment Marks: 40 (Theory) 25 (Practical)
Exam Duration: 2 ½ Hours (Theory) 3 Hours (Practical)	Semester End Examination Marks: 60 (Theory) 25 (Practical)

Course Outcomes (COs):

CO1 : Demonstrate knowledge and understanding of the communication and theories

CO2 : Demonstrate awareness of the diversity of approaches to understanding communication

CO3 : Culture in both historical and contemporary contexts and approaches.

CO4: Exposure to Technology oriented skills.

Course Articulation Matrix – 231558

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	3	2	2	2	3	2	1	2	2	3	1	2
CO 2	2	3	2	2	2	3	1	2	3	3	1	3
CO 3	2	2	1	2	2	3	2	1	3	3	2	2
CO 4	2	2	3	2	3	2	2	2	2	3	1	3
Weighted Average	2.25	2.25	2.0	2.0	2.5	2.5	1.5	1.75	2.5	3.0	1.25	2.5

DSC(6) Journalism And Mass Communication Syllabus for B.A
(Basic and Honors)

Semester V

Course Code: 231559	Course Title: DSC(6) : Media Laws And Ethics DSC(6) Lab : Theory based Practical's on Media Laws And Ethics
Course Credits: 06 (4:0:2)	Hours of Teaching/Week: 04 (Theory) + 04 (Practical)
Total Contact Hours: 60 Hours (Theory) 60 Hours (Practical)	Formative Assessment Marks: 40 (Theory) 25 (Practical)
Exam Duration: 2 ½ Hours (Theory) 3 Hours (Practical)	Semester End Examination Marks: 60 (Theory) 25 (Practical)

Course Outcomes (COs):

CO 1: Fundamentals of Media Laws and Ethics

CO 2: To maintain Journalistic standards and practices in a variety of newsgathering settings

CO 3 : Ethical considerations Journalists face and how they make decisions in those areas.

CO 4 : Aware about Professional Bodies

Course Articulation Matrix – 231559

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	2	2	1	2	2	3	2	3	2	2	1	2
CO 2	2	2	2	2	2	3	2	3	1	2	1	3
CO 3	3	2	2	3	3	3	1	3	2	3	2	3
CO 4	2	2	3	2	3	3	1	3	3	2	1	3
Weighted Average	2.5	2.0	2.0	2.25	2.5	3.0	1.5	3.0	2.0	2.25	1.25	2.75

DSC(7) Journalism And Mass Communication Syllabus for B.A

(Basic and Honors)

Semester: VI

Course Code: 231658	Course Title: DSC(7) : Fundamentals of Radio And Television DSC(7) Lab :Theory based Practical's on Fundamentals of Radio And Television
Course Credits: 06 (4:0:2)	Hours of Teaching/Week: 04 (Theory) + 04 (Practical)
Total Contact Hours: 60 Hours (Theory) 60 Hours (Practical)	Formative Assessment Marks: 40 (Theory) 25 (Practical)
Exam Duration: 2 ½ Hours (Theory) 3 Hours (Practical)	Semester End Examination Marks: 60 (Theory) 25 (Practical)

Course Outcomes (COs):

CO1 : Discuss the past and present status of Radio

CO2 : Discuss the past and present status of Television

CO3 : Enhancing skills behind audio and video production

CO4 .: Highlight the techniques of program production in Radio and Television

Course Articulation Matrix – 231658

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	3	2	2	2	3	3	1	1	2	3	2	1
CO 2	3	2	2	2	3	2	1	1	2	3	2	1
CO 3	2	2	2	2	3	2	1	2	3	3	2	3
CO 4	2	2	2	2	3	3	1	2	3	3	2	3
Weighted Average	2.5	2.0	2.0	2.0	3.0	2.5	1.0	1.5	2.5	3.0	2.0	2.0

DSC(8) Journalism And Mass Communication Syllabus for B.A

(Basic and Honors)

Semester: VI

Course Code: 231659	Course Title: DSC(8) : Advertising And Corporate Communications DSC(8) Lab : Theory based Practical's on Advertising And Corporate Communications
Course Credits: 06 (4:0:2)	Hours of Teaching/Week: 04 (Theory) + 04 (Practical)
Total Contact Hours: 60 Hours (Theory) 60 Hours (Practical)	Formative Assessment Marks: 40 (Theory) 25 (Practical)
Exam Duration: 2 ½ Hours (Theory) 3 Hours (Practical)	Semester End Examination Marks: 60 (Theory) 25 (Practical)

Course Outcomes (COs):

CO1: . Comphrend students to basic concept of advertising

CO2: Orient the students with the concept of copywriting as selling through writing

CO3: Train students to generate, develop and express ideas effectively in Corporate Sector

CO4: Orient the students about Tools of Corporate Communication

Course Articulation Matrix – 231659

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	3	2	3	3	3	2	1	3	3	3	3	1
CO 2	3	2	3	3	3	2	1	2	3	3	3	1
CO 3	3	2	3	2	3	3	1	2	3	3	3	1
CO 4	2	1	3	2	3	3	2	2	3	3	3	1
Weighted Average	2.75	1.75	3.0	2.5	3.0	2.5	1.25	2.25	3.0	3.0	3.0	1.0

DEPARTMENT OF PSYCHOLOGY

DSC (1) Syllabus for B.A PSYCHOLOGY (Basic and Honors)

Semester I

Course Code: 211165

Course Title:

DSC(1)- Foundations of Psychology - I (Theory)

DSC(1) Lab-Psychology (Practical)

Course Credits: 06 (4:0:2)

Hours of Teaching/Week: 04 (Theory) + 04 (Practical)

**Total Contact Hours: 56 Hours (Theory)
56 Hours (Practical)**

**Formative Assessment Marks: 40 (Theory)
25 (Practical)**

**Exam Duration: 2:30 Hours (Theory)
3 Hours (Practical)**

**Semester End Examination Marks: 60 (Theory)
25 (Practical)**

Course Outcomes (COs):

CO1 – Articulate the fundamentals of Psychology and infer the basic concepts comprehensively.

CO2 – Concretely relate and synthesize the “Biological basis of Behaviour”.

CO3 – Define, Integrate, and determine the nature and nexus among various physical and cognitive processes.

CO4 – Analyze and contrast the inherent characteristics of Learning and its attribution to behaviour.

CO5 – Summarize and demonstrate the structure and significance of Memory in human functioning.

Course Articulation Matrix – 211165

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	3	2	1	3	3	3	-	2	2	3	-	2
CO 2	3	2	1	3	3	2	-	-	-	3	-	2
CO 3	3	3	1	3	3	2	-	-	2	3	-	1
CO 4	3	3	2	2	3	3	-	1	1	3	-	1
CO 5	3	2	1	2	3	3	-	1	1	3	-	1
Weighted Average	3	2.4	1.2	2.6	3	2.6	0	1.3	1.5	3	0	1.4

OE (1) Syllabus of Psychology

Semester I

Course Code: 21OEPSY101	Course Title O.E (1): Psychology of Health & Wellbeing
Course Credits: 03 (3:0:0)	Hours of Teaching/Week: 03 Hour (Theory)
Total Contact Hours: 42 Hours (Theory)	Formative Assessment Marks: 40
Exam Duration: 2:30 Hours	Semester End Examination Marks: 60

Course Outcomes (COs):

CO1 – Analyze and describe the spectrum of health & illness for better health management.

CO2 - Identify and introspect the impact of stressors and determine the coping strategies.

CO3- Conceptualize and reflect upon the health protective and health compromising behaviors, further determine illness management.

CO4 – Synthesize and determine various strategies to Life enhancement for overall wellbeing.

Course Articulation Matrix - 21OEPSY101

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	3	2	1	-	-	1	-	1	1	3	-	1
CO 2	3	3	1	-	-	2	1	-	1	3	-	2
CO 3	3	2	1	-	1	3	1	1	1	3	-	2
CO 4	3	2	1	-	1	3	1	1	1	3	-	2
Weighted Average	3	2.2	1	0	1	2.2	1	1	1	3	0	1.75

OE (1) Syllabus of Psychology (Except B.A Streams)

Semester I

Course Code: 21OEPSY102

Course Title O.E (1) : Life Skills - I

Course Credits: 03 (3:0:0)

Hours of Teaching/Week: 03 Hour (Theory)

Total Contact Hours: 42 Hours (Theory)

Formative Assessment Marks: 40

Exam Duration: 2:30 Hours

Semester End Examination Marks: 60

Course Outcomes (COs):

CO1 – Describe the basics and conceptual features of Life skills.

CO2- Comprehend the basic framework of Self-awareness and empathy understanding their association.

CO3 - Determine and classify the nature and relevance of Critical and Creative Thinking in Life Skills.

CO4 – Describe and analyze the dynamics of Decision making and Problem Solving.

Course Articulation Matrix - 21OEPSY102

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	3	2	1	2	1	1	-	1	1	3	-	1
CO 2	3	3	-	3	1	1	1	-	2	3	-	1
CO 3	3	1	1	3	1	1	1	1	2	3	1	1
CO 4	3	1	1	3	1	1	1	1	1	3	1	1
Weighted Average	3	1.7	0.7	2.8	1	1	0.7	0.7	1.5	3	0.5	1

DSC (2) Syllabus for B.A Psychology (Basic and Honors)

Semester II

Course Code: 211265

Course Title: Foundations of Psychology -II

DSC(2) (Theory)

DSC(2) Psychology Lab (Practical)

Course Credits: 06 (4:0:2)

Hours of Teaching/Week: 04 (Theory) + 04 (Practical)

Total Contact Hours: 56 Hours (Theory)
56 Hours (Practical)

Formative Assessment Marks: 40 (Theory)
25 (Practical)

Exam Duration: 2:30 Hours (Theory)
3 Hours (Practical)

Semester End Examination Marks: 60 (Theory)
25 (Practical)

Course Outcomes (COs):

CO1 – Elucidate and analyze the construct of “Human Emotions”; and demonstrate the impact of Emotions on Behaviour.

CO2 – Describe the concept of Motivation and comprehend its relevance to human behavior.

CO3 – Demonstrate the structure of “Human Intelligence” and analyze its relevance to human life as an active cognitive process.

CO4 – Interpret Cognition, systematically analyze and comprehend the features of “Thinking-Reasoning”.

CO5 – Conceptualize the dynamics of Human Personality and determine its significance to behaviour.

Course Articulation Matrix – 211265

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	3	2	1	2	3	3	1	2	2	3	-	2
CO 2	3	2	1	2	3	2	-	-	-	3	-	2
CO 3	3	3	1	2	3	2	1	2	2	3	-	2
CO 4	3	3	2	2	3	3	1	1	1	3	-	2
CO 5	3	2	1	2	3	3	-	1	1	3	-	2
Weighted Average	3	2.4	1.2	2	3	2.6	1	1.5	1.5	3	0	2

OE (2) Syllabus of Psychology (Except B.A Streams)

Semester II

Course Code: 21OEPSY201

Course Title O.E (2) : Youth, Gender & Identity

Course Credits: 03 (3:0:0)

Hours of Teaching/Week: 03 Hour (Theory)

Total Contact Hours: 42 Hours (Theory)

Formative Assessment Marks: 40

Exam Duration: 2:30 Hours

Semester End Examination Marks: 60

Course Outcomes (COs):

CO1 – Conceptualize the concept of Youth and determine the dynamics involved in Identity Formation.

CO2 – Elucidate and describe the attributes, conflicts and challenges to identity formation in youth.

CO3 – Demonstrate and analyze the complexities associated with Youth, Gender and Identity Crisis.

CO4 – Describe and critique the laws associated with Youth.

Course Articulation Matrix - 21OEPSY201

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	3	2	1	-	-	1	-	1	1	3	-	1
CO 2	3	3	-	-	-	1	1	-	1	3	-	1
CO 3	3	1	1	-	1	1	1	1	1	3	-	1
CO 4	3	1	1	-	1	1	1	1	1	3	-	1
Weighted Average	3	1.75	1	0	1	1	1	1	1	3	0	1

OE (2) Syllabus of Psychology (Except B.A Streams)

Semester II

Course Code: 21OEPSY202

Course Title O.E (2) : Life Skills - II

Course Credits: 03 (3:0:0)

Hours of Teaching/Week: 03 Hour (Theory)

Total Contact Hours: 42 Hours (Theory)

Formative Assessment Marks: 40

Exam Duration: 2:30 Hours

Semester End Examination Marks: 60

Course outcomes(COs):

CO1 – Identify the nature of Effective Communication and comprehend the skills necessary for effective communication.

CO2 – Elucidate the dynamics involved in Interpersonal Relationships and interpret the techniques of enhancing Interpersonal skills.

CO3 – Demonstrate effective Stress management and analyze stress coping skills.

CO4 – Synthesize the dynamics of a Group or Team, comprehending the techniques to resolve conflict and enhance group performance.

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	3	2	1	-	-	1	-	1	1	3	-	1
CO 2	3	3	-	-	-	1	1	-	1	3	-	1
CO 3	3	1	1	-	1	1	1	1	1	3	-	1
CO 4	3	1	1	-	1	1	1	1	1	3	-	1
Weighted Average	3	1.75	1	0	1	1	1	1	1	3	0	1

Course Code: 221365

Course Title:

DSC(3) Child Development (Theory) DSC(3)
Lab - Psychology (Practical)

Course Credits: 06 (4:0:2)

Hours of Teaching/Week: 04 (Theory) + 04 (Practical)

**Total Contact Hours: 56 Hours (Theory)
56 Hours (Practical)**

**Formative Assessment Marks: 40 (Theory)
25 (Practical)**

**Exam Duration: 2:30 Hours (Theory)
3 Hours (Practical)**

**Semester End Examination Marks: 60 (Theory)
25 (Practical)**

Course Outcomes (COs):

CO1 – Elucidate and analyze the nature of Human Lifespan Development across stages; with special relevance to Child Development.

CO2 – Identify and describe the nature of Pre-natal Development in humans; further conceptualize the dynamics involved in the phase.

CO3 – Demonstrate the pattern of growth and maturation in different domains of development across Infancy and Childhood.

CO4 – Systematically analyze and comprehend the Socio-emotional and Moral development through Infancy and Childhood.

CO5 – Determine and deconstruct the nature, symptomatology and pattern of Developmental disorders.

DSC (3) Syllabus for B.A PSYCHOLOGY (Basic and Honors)

Semester II

Course Code: 221365

Course Title:

DSC(3) Child Development (Theory) DSC(3)
Lab - Psychology (Practical)

Course Credits: 06 (4:0:2)

Hours of Teaching/Week: 04 (Theory) + 04 (Practical)

**Total Contact Hours: 56 Hours (Theory)
56 Hours (Practical)**

**Formative Assessment Marks: 40 (Theory)
25 (Practical)**

**Exam Duration: 2:30 Hours (Theory)
3 Hours (Practical)**

**Semester End Examination Marks: 60 (Theory)
25 (Practical)**

Course Outcomes (COs):

CO1 – Elucidate and analyze the nature of Human Lifespan Development across stages; with special relevance to Child Development.

CO2 – Identify and describe the nature of Pre-natal Development in humans; further conceptualize the dynamics involved in the phase.

CO3 – Demonstrate the pattern of growth and maturation in different domains of development across Infancy and Childhood.

CO4 – Systematically analyze and comprehend the Socio-emotional and Moral development through Infancy and Childhood.

CO5 – Determine and deconstruct the nature, symptomatology and pattern of Developmental disorders.

Course Articulation Matrix - 221365

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	3	2	1	3	3	3	2	1	1	3	-	3
CO 2	3	3	1	1	3	2		-	-	2	-	1
CO 3	3	3	1	1	3	2	-	-	-	2	-	1
CO 4	3	3	1	1	3	3	-	1	-	2	-	1
CO 5	3	3	2	2	3	3	1	1	1	3	-	2
Weighted Average	3	2.8	1.2	1.6	3	2.6	1.5	1	1	2.4	0	1.6

OE (3) Syllabus of Psychology (Except for B.A Streams)

Semester III

Course Code: 21OEPSY301

Course Title O.E (2) : Psychology and Mental Health

Course Credits: 03 (3:0:0)

Hours of Teaching/Week: 03 Hour (Theory)

Total Contact Hours: 42 Hours (Theory)

Formative Assessment Marks: 40

Exam Duration: 2:30 Hours

Semester End Examination Marks: 60

Course Outcomes (COs):

CO1 – Analyze and describe the spectrum of Mental Health through its fundamentals.

CO2 - Conceptualize and reflect upon various approaches to Mental Health stressors and determine the coping strategies.

CO3 - Identify and introspect the nature, symptoms and impact of emerging Mental Health issues on overall Mental Health.

CO4 – Synthesize and determine various Intervention strategies to manage Mental illness and enhance Mental Health wellbeing.

Course Articulation Matrix - 22OEPSY301

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	3	2	1	-	-	1	1	1	-	3	-	2
CO 2	3	3	1	-	-	1	1	1	1	3	-	2
CO 3	3	2	1	-	1	2	1	1	1	3	-	2
CO 4	3	2	1	1	2	2	1	1	-	3	-	2
Weighted Average	3	2.2	1	0	1.5	1.5	1	1	1	3	0	2

DSC (4) Syllabus for B.A Psychology (Basic and Honors)

Semester IV

Course Code: 221465

Course Title: Developmental Psychology

DSC(4) (Theory)

DSC(4) Psychology Lab (Practical)

Course Credits: 06 (4:0:2)

Hours of Teaching/Week: 04 (Theory) + 04 (Practical)

Total Contact Hours: 56 Hours (Theory)
56 Hours (Practical)

Formative Assessment Marks: 40 (Theory)
25 (Practical)

Exam Duration: 2:30 Hours (Theory)
3 Hours (Practical)

Semester End Examination Marks: 60 (Theory)
25 (Practical)

Course Outcomes (COs):

CO1 – Enumerate the characteristics and illustrate the critical nature of Puberty and Adolescence stages of human development.

CO2 – Concretely analyze the dynamics and changes involved in Early Adulthood.

CO3 – Describe the nature of Middle Adulthood and deduce the complexities that center the stage.

CO4 – Demonstrate and conceptualize the attributes and challenges of Late Adulthood.

CO5 – Comprehensively determine the aspects of senility and the progress of life towards cessation.

Course Articulation Matrix- 221465

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	3	2	1	3	3	3	1	1	1	3	-	3
CO 2	3	3	1	1	3	3	1	1	-	2	-	1
CO 3	3	3	1	1	3	2	1	1	-	2	-	1
CO 4	3	3	1	1	3	3	1	1	1	2	-	1
CO 5	3	3	2	2	3	3	1	1	1	3	-	2
Weighted Average	3	2.4	1.2	2.6	3	2.8	1	1	1	2.4	0	1.6

OE (4) Syllabus of B.A Psychology (Except B.A)

Semester IV

Course Code: 22OEPSY401

Course Title O.E (4): Psychology at Work

Course Credits: 03 (3:0:0)

Hours of Teaching/Week: 03 Hour (Theory)

Total Contact Hours: 42 Hours (Theory)

Formative Assessment Marks: 40

Exam Duration: 2:30 Hours

Semester End Examination Marks: 60

Course Outcomes (COs):

CO1 – Conceptualize the nature and scope of Industrial Psychology.

CO2 – Elucidate and describe the attributes and challenges involved in Performance Appraisal and Work Motivation.

CO3 – Demonstrate and interpret the determinants of Leadership and Communication in Work setup.

CO4 – Enumerate the nature and sources of stress; further comprehend the intervention strategies to cope with Stress.

Course Articulation Matrix - 22OEPSY401

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	3	2	1	-	1	1	-	1	1	3	-	1
CO 2	3	3	1	-	1	1	1	1	1	3	-	1
CO 3	3	3	1	-	1	1	1	1	1	3	-	1
CO 4	3	2	1	-	1	1	1	1	1	3	-	1
Weighted Average	3	2.5	1	0	1	1	0.7	1	1	3	0	1

DSC (5) Syllabus for B.A PSYCHOLOGY (Basic and Honors)

Course Code: 231565	Course Title: DSC(5) Health Psychology (Theory) DSC(5) Lab - Psychology (Practical)
Course Credits: 06 (4:0:2)	Hours of Teaching/Week: 04 (Theory) + 08 (Practical I & II)
Total Contact Hours: 60 Hours (Theory) 60 Hours (Practical)	Formative Assessment Marks: 40 (Theory) 25 (Practical)
Exam Duration: 2:30 Hours (Theory) 3 Hours (Practical)	Semester End Examination Marks: 60 (Theory) 25 (Practical)

Course Outcomes (COs):

CO 1 – Elucidate the Concept of Health & Wellbeing and analyze the nature, significance, and subject matter of Health Psychology.
CO 2 – Determine and deconstruct the Health Enhancing and Compromising Behaviors.
CO 3 – Demonstrate the nature of Stress, comprehend its impact on the overall Health and introspect the coping strategies.
CO 4 – Identify and describe the nature of Pain, Correlates of Pain and Illness and reflect upon the Management of Pain & Illness.

Course Articulation Matrix – 221565

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	3	2	1	3	3	3	2	1	1	3	-	3
CO 2	3	3	1	1	3	2		-	-	2	1	1
CO 3	3	3	1	1	3	2	-	-	-	2	-	1
CO 4	3	3	1	1	3	3	-	1	-	2	1	1
Weighted Average	3	2.7	1	1.5	3	2.5	0.5	0.5	0.25	2.25	0.5	1.5

DSC (6) Syllabus for B.A PSYCHOLOGY (Basic and Honors)

Course Code: 231566

Course Title:

DSC(6) Social Psychology (Theory)

DSC(6) Lab - Psychology (Research Project)

Course Credits: 06 (4:0:2)

Hours of Teaching/Week: 04 (Theory) + 08 (Practical I & II)

Total Contact Hours:

60 Hours (Theory)

60 Hours (Practical)

Formative Assessment Marks: 40 (Theory)

25 (Practical)

Exam Duration: 2:30 Hours (Theory)

3 Hours

(Practical)

Semester End Examination Marks: 60 (Theory)

25 (Practical)

Course Outcomes (COs):

CO1 – Enumerate the nature and scope of Social Psychology and illustrate its significant impact on Individual Behaviour.

CO2 – Concretely analyze the dynamics involved in Social Processes and illuminate their interaction with the Social World.

CO3 – Comprehensively understand and determine the essence of Interpersonal Relationships on Individual Behaviour.

CO4 – Demonstrate and conceptualize the nature of Social Issues and deduce the complexities that centre the Social Behaviours.

Course Articulation Matrix – 221565

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	3	2	1	3	3	3	2	1	1	3	1	3
CO 2	3	3	2	2	3	2		-	-	2	1	1
CO 3	3	3	1	1	3	2	-	-	-	2	1	1
CO 4	3	3	2	2	3	3	-	1	-	2	1	1
Weighted Average	3	2.7	1.5	2	3	2.5	0.5	0.5	0.25	2.25	1	1.5

DSC (7) Syllabus for B.A PSYCHOLOGY (Basic and Honors)

Course Code: 231665

Course Title:

DSC(7) Abnormal Psychology (Theory)

DSC(7) Lab - Psychology (Practical)

Course Credits: 06 (4:0:2)

Hours of Teaching/Week: 04 (Theory) + 08 (Practical I & II)

Total Contact Hours:

60 Hours (Theory)

60 Hours (Practical)

Formative Assessment Marks: 40 (Theory)

25 (Practical)

Exam Duration: 2:30 Hours (Theory)

3 Hours

(Practical)

Semester End Examination Marks: 60 (Theory)

25 (Practical)

Course Outcomes (COs):

CO 1 – Elucidate and analyze the construct of Normality & Abnormality to dispel myths regarding abnormality.

CO 2 – Describe and familiarize the criteria of Abnormality and the Classification Systems of psychological disorders.

CO 3 – Demonstrate the nature, Symptomology and etiology of various Psychological Disorders.

CO 4 – Conceptualize the essence of Personality Disorders in relevance Abnormality.

Course Articulation Matrix – 231665

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	3	2	1	3	3	3	2	1	1	3	-	3
CO 2	3	3	1	1	3	2		-	-	2	1	1
CO 3	3	3	1	1	3	2	-	-	-	2	1	1
CO 4	3	3	1	1	3	3	-	1	-	2	-	1
Weighted Average	3	2.7	1	1.5	3	2.5	0.5	0.5	0.25	2.25	0.5	1.5

DSC (8) Syllabus for B.A PSYCHOLOGY (Basic and Honors)

Course Code: 231666	Course Title: DSC(8) Organizational Psychology (Theory) DSC(8) Lab - Psychology (Internship)
Course Credits: 06 (4:0:2)	Hours of Teaching/Week: 04 (Theory) + 08 (Practical I & II)
Total Contact Hours: 60 Hours (Theory) 60 Hours (Practical)	Formative Assessment Marks: 40 (Theory) 25 (Practical)
Exam Duration: 2:30 Hours (Theory) 3 Hours (Practical)	Semester End Examination Marks: 60 (Theory) 25 (Practical)

Course Outcomes (COs):

CO 1 – Articulate and conceptualize the fundamentals of Organizational Psychology and infer the basic concepts comprehensively.
CO 2 – Concretely relate and synthesize the basics of Individual differences and Job Stress.
CO 3 – Define, Integrate, and determine the nature and nexus of Organizational Perception and Learning.
CO 4 – Analyze and contrast the inherent characteristics of Organizational Structure and Culture.

Course Articulation Matrix – 231666

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	3	2	1	3	3	3	2	1	1	3	-	3
CO 2	3	3	1	1	3	2		-	-	2	-	1
CO 3	3	3	1	1	3	2	-	-	-	2	1	1
CO 4	3	3	1	1	3	3	-	1	-	2	1	1
Weighted Average	3	2.7	1	1.5	3	2.5	0.5	0.5	0.25	2.25	0.5	1.5

DEPARTMENT OF SOCIOLOGY

DSC(1) Syllabus for BA Sociology(Basic and Honors)

Course Code: 211151	Course Title: DSC (1) UNDERSTANDING SOCIOLOGY
Course Credits: 03(3:0:0)	Hours of Teaching/Week: 03 Total
Contact Hours: 42 Hrs	Formative Assessment Marks: 40
Exam Duration: 2 ¹Hrs 2	Semester-End Examination Marks: 60

Course Outcomes (COs)

CO1: Identify the facets of the nature and role of Sociology in a changing world.

CO2: Comprehend the uniqueness of Sociological imagination in the study of the real world.

CO3: Recognize the different perspectives of perceiving the working of social groups & current social issues in oral & written forms.

Course Articulation Matrix -211151

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	1	2	2	2	1	2	2	1	1	1	1	1
CO2	2	1	2	2	2	2	2	2	2	1	1	1
CO3	1	1	1	2	1	1	2	2	2	1	1	2
Weighted Average	1.3	1.3	1.6	2	1.3	1.6	2	1.6	1.6	1	1	1.3

DSC(2) Syllabus for BA Sociology(Basic and Honors)

Course Code: 211152	Course Title: DSC (2) Changing Social Institutions in India
Course Credits: 03(3:0:0)	Hours of Teaching/Week: 03
Total Contact Hours: 42 Hrs	Formative Assessment Marks: 40
Exam Duration: 2¹Hrs 2	Semester-End Examination Marks: 60

Course Outcomes (COs)

CO1: Identify the new forms are taken by institutions of Family and Marriage & analyze the role played by religion in the modern world.

CO2: Sensitize regarding the conflicting norms of Secularism and living by one's religious beliefs and appreciate the role of education and challenges in making education accessible to all.

CO3: Grasp the opportunities offered by democracy and the threats affecting its faces & undertake micro research work & communicate effectively.

Course Articulation Matrix-211152

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	1	2	2	2	1	1	2	2	2	2	1	1
CO2	1	2	2	2	1	1	2	2	2	1	1	2
CO3	2	1	1	1	2	2	1	2	1	1	1	2
Weighted Average	1.3	1.6	1.6	1.6	1.3	1.3	1.6	2	1.6	1.3	1	1.6

OE(01) Sociology Syllabus for All Programs (Except Arts)

Course Code: 210ESOC101	Course Title: OE (1) Indian Society: Continuity & Change
Course Credits: 03(3:0:0)	Hours of Teaching/Week: 03
Total Contact Hours: 42 Hrs	Formative Assessment Marks: 40
Exam Duration: 2 Hrs	Semester-End Examination Marks: 60

Course Outcomes (COs)

CO1: Analyse the nature and direction of change in Indian society, basically from tradition to modernity.

CO2: Examining the changing conditions of the socially excluded group through movements for social justice.

CO3: Evaluate globalization and its impact on Indian society & social values & family relationships.

Course Articulation Matrix – 210ESOC101

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	1	2	2	2	1	2	2	2	1	1	1	1
CO2	1	2	2	1	2	2	2	1	1	2	2	2
CO3	1	2	2	1	2	2	1	2	2	2	1	2
Weighted Average	1	2	2	1.3	1.6	2	1.6	1.6	1.6	1.6	1.3	1.6

OE(01) Sociology Syllabus for All Programs (Except Arts)

Course Code: 210ESOC102	Course Title: OE (1) Sociology of Everyday Life
Course Credits: 03(3:0:0)	Hours of Teaching/Week: 03
Total Contact Hours: 42 Hrs	Formative Assessment Marks: 40
Exam Duration: 2 Hrs	Semester-End Examination Marks: 60

Course Outcomes (COs)

CO1: Analyse the familiar world from a new perspective.

CO2: Analyze & appreciate how our social world is constructed.

CO3: Illustrate the types of Culture, Mass media, Globalization & Cultural diffusion in everyday life.

Course Articulation Matrix – 210ESOC102

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	2	1	1	2	2	2	2	1	1	1	1
CO2	1	2	2	1	1	2	2	2	2	2	2	1
CO3	1	1	2	2	2	1	1	2	1	1	1	1
Weighted Average	1.3	1.6	1.6	1.3	1.6	1.6	1.6	2	1.3	1.3	1.3	1

DSC(3) Syllabus for BA Sociology(Basic and Honors)

Course Code: 211251	Course Title: DSC(3) Foundations of Sociological Theories
Course Credits: 03(3:0:0)	Hours of Teaching/Week: 03
Total Contact Hours: 42 Hrs	Formative Assessment Marks: 40
Exam Duration: 2 Hrs	Semester-End Examination Marks: 60

Course Outcomes (COs)

CO1: Contextualize the social and intellectual background of Classical sociologists.

CO2: Appreciate contemporary classical Sociological thoughts & need for thinking in theoretical terms and concepts.

CO3: Recognise the need for thinking in theoretical terms and concepts.

Course Articulation Matrix –211251

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	1	2	2	1	2	1	2	2	1	1	2	2
CO2	2	2	2	2	2	1	2	2	2	2	2	2
CO3	2	1	1	1	1	1	2	2	1	1	1	2
Weighted Average	1.6	1.6	1.6	1.3	1.6	1	2	2	1.3	1.3	1.6	2

DSC(4) Syllabus for BA Sociology(Basic and Honors)

Course Code: 211252	Course Title: DSC(4) Sociology of Rural Life in India
Course Credits:03(3:0:0)	Hours of Teaching/Week: 03
Total Contact Hours: 42 Hrs	Formative Assessment Marks: 40
Exam Duration: 2 Hrs	Semester-End Examination Marks: 60

Course Outcomes (COs)

CO1: Evaluate the myth and realities of village India constructed by western schools and the changes in the land tenure system and the consequences.

CO2: Acquire knowledge about Rural caste, gender-related issues and consequences of the virtual market.

CO3: Make an informed analysis of various development programs and challenges encountered.

Course Articulation Matrix –211252

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	1	2	2	2	2	1	2	2	2	1	2
CO2	1	2	2	1	1	1	2	2	2	2	2	1
CO3	1	1	1	2	2	2	1	1	1	2	2	2
Weighted Average	1.3	1.3	1.6	1.6	1.6	1.6	1.3	1.6	1.6	2	1.6	1.6

OE(02) Sociology Syllabus for All Programs (Except Arts)

Course Code: 21OESOC202	Course Title: OE (02) Society Through Gender Lens
Course Credits: 03(3:0:0)	Hours of Teaching/Week: 03
Total Contact Hours: 42Hrs	Formative Assessment Marks: 40
Exam Duration: 2 Hrs	Semester-End Examination Marks: 60

Course Outcomes (COs)

CO1: Realize the role of socialisation as a constructor of gender roles and status.

CO2: Appreciate the role of defining one's self-identity in terms of gender.

CO3: Examine the gender bias and discrimination present in everyday social structure & take informed decisions about addressing gender justice issues.

Course Articulation Matrix – 21OESOC202

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	1	2	2	2	2	1	2	2	2	2	1	2
CO2	2	2	2	2	1	2	1	2	1	2	2	1
CO3	2	1	1	1	2	2	1	2	1	2	1	2
Weighted Average	1.6	1.6	1.6	1.6	1.6	1.6	1.3	2	1.3	2	1.3	1.6

DSC(5) Syllabus for BA. Sociology (Basic and Honors)

Course Code: 221351

Course Title: DSC (5) Social Stratification and Mobility

Course Credits: 03(3:0:0)

Hours of Teaching/Week: 03

Total Contact Hours: 42 Hrs

Formative Assessment Marks: 40

Exam Duration: 2 ¹/₂Hrs

Semester-End Examination Marks: 60

Course Outcomes (COs)

CO1: Inculcate the facets of the nature and role of Social stratification.

CO2: Recognize different types of stratification and mobility.

CO3: Critically understand and analyse different theories of Social stratification.

Course Articulation Matrix- 221351

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	2	1	1	1	2	2	2	1	2	2	2
CO2	2	1	1	1	1	2	2	1	1	2	2	1
CO3	1	1	1	1	1	1	1	1	2	1	2	1
Weighted Average	1.6	1.3	1	1	1	1.6	1.6	1.3	1.3	1.6	2	1.3

DSC(6) Syllabus for BA. Sociology (Basic Honors)

Course Code: 221352	Course Title: DSC (6) Sociology of Urban Life in India
Course Credits: 03(3:0:0)	Hours of Teaching/Week: 03
Total Contact Hours: 42 Hrs	Formative Assessment Marks: 40
Exam Duration: 2¹/₂Hrs	Semester-End Examination Marks: 60

Course Outcomes(COs)

CO1: Illustrate the basic concepts of Urban Sociology and different types of society

CO2: Examine the theoretical issues related to the urban society.

CO3: Critically evaluate Urban Policies.

Course Articulation Matrix – 221352

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	1	1	1	1	1	2	2	1	2	1	2	1
CO2	1	2	3	2	3	1	1	1	1	1	3	1
CO3	1	3	2	3	2	1	2	2	1	1	2	2
Weighted Average	1	2	2	2	2	1.3	1.6	1.3	1.3	1	2.3	1.3

OE(03) Sociology Syllabus for All Programs (Except Arts)

Course Code:22OESOC301	Course Title: OE (3) Sociology Of Tourism Management
Course Credits: 03(3:0:0)	Hours of Teaching/Week: 03
Total Contact Hours: 42Hrs	Formative Assessment Marks: 40
Exam Duration: 2 $\frac{1}{2}$Hrs	Semester-End Examination Marks: 60

Course Outcomes(COs)

CO1: Explicate the relationship between Tourism, Culture and Cultural Heritage.

CO2: Determine the social, cultural and economic impact of tourism on local communities.

CO3: Acknowledge the principles of Tourism management.

Course Articulation Matrix – 22OESOC301

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	3	2	2	2	1	2	2	1	2	2	2
CO2	2	1	1	1	1	2	3	2	2	2	2	2
CO3	2	2	3	3	3	2	3	2	2	2	2	2
Weighted Average	2	2	2	2	2	1.6	2.6	2	1.6	2	2	2

OE (04) Sociology Syllabus for All Programs (Except Arts)

Course Code:22OESOC401	Course Title: OE (4) Sociology of Leisure
Course Credits: 03(3:0:0)	Hours of Teaching/Week: 03
Total Contact Hours: 42 Hrs	Formative Assessment Marks: 40
Exam Duration: 2 $\frac{1}{2}$Hrs	Semester-End Examination Marks: 60

Course Outcomes(COs)

CO1: Describe the concept of Leisure, associated terms and types.

CO2: Analyse the relationship between Leisure and stratification

CO3: Examine the Impact of the commoditization of leisure

Course Articulation Matrix – 22OESOC401

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	2	2	1	3	2	2	2	2	2	2	1
CO2	1	2	3	3	2	2	2	2	3	3	3	1
CO3	1	2	2	3	2	2	2	2	1	1	1	1
Weighted Average	1.3	2	2.3	2.3	2.3	2	2	2	2	2	2	1

OE (04) Sociology Syllabus for All Programs (Except Arts)

Course Code: 22OESOC402	Course Title: OE (4) Sociology of Food Culture
Course Credits: 03(3:0:0)	Hours of Teaching/Week: 03
Total Contact Hours: 42 Hrs	Formative Assessment Marks: 40
Exam Duration: 2 $\frac{1}{2}$ Hrs	Semester-End Examination Marks: 60

Course Outcomes (COs)

CO1: Appreciate the complex relations between food, individuals and society

CO2: Identify the evolution of food production and consumption from household to industry

CO3: Critically Understand the relationship between food and risk society

Course Articulation Matrix – 22OESOC402

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	1	2	2	2	3	2	1	2	2	1	1	3
CO2	2	3	1	3	2	3	2	3	2	2	2	2
CO3	2	3	2	1	1	3	3	1	3	3	3	1
Weighted Average	1.6	2.6	1.6	2	2	2.6	2	2	2.3	2	2	2

DSC(9) Syllabus for BA. Sociology (Basic Honors)

Course Code: 231551	Course Title: Social Entrepreneurship
Course Credits: 04 (4:0:0)	Hours of Teaching/Week: 04
Total Contact Hours: 60 Hrs	Formative Assessment Marks: 40
-	
Exam Duration: 2¹¹Hrs 22	Semester-End Examination Marks: 60

Course Outcomes (COs)

CO1: Recognises the scope and need for social entrepreneurship.

CO2: Illustrate the plan and implement socially innovative ideas.

CO3: Equipped to start their own social enterprise or non-profit organization.

CO4: Critically analyze the role of social entrepreneurship in combating social issues.

Course Articulation Matrix- 231551

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	1	1	2	2	1	1	2	2	2	2	2	2
CO2	1	1	2	1	2	2	2	2	2	1	2	2
CO3	1	2	2	1	2	2	2	2	2	2	2	2
CO4	2	2	2	2	2	2	2	2	2	2	2	2
Weighted Average	1.25	1.5	2	1.5	1.75	1.75	2	2	2	1.75	2.	2

DSC(10) Syllabus for BA. Sociology (Basic Honors)

Course Code: 231552

**Course Title: DSC (10)
Society and Tribes**

Course Credits: 04 (4:0:0)

Hours of Teaching/Week: 04

Total Contact Hours: 60 Hrs

**Formative Assessment Marks:
40**

Exam Duration: 2¹¹₂₂Hrs

**Semester-End Examination
Marks: 60**

Course Outcomes(COs)

CO1: Recognise the social organization among the tribals.

CO2: Examine the impact of social changes on tribal social life.

CO3: Equipped to handle micro research work and communicate effectively.

CO4: Recognise the reality of tribal settlements and their challenges.

Course Articulation Matrix – 231552

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	CO1
	2	1	1	1	1	2	2	2	2	2	1	2	
CO2	2	1	1	2	1	2	1	2	2	2	2	2	2
CO3	2	2	2	2	1	2	2	2	2	2	2	2	2
CO4	2	2	2	2	1	2	2	2	2	2	2	2	2
Weighted Average	2	1.5	1.5	1.75	1	2	1.75	2	2	2	1.75	2	

DSC(12) Syllabus for BA. Sociology (Basic Honors)

Course Code: 231651

Course Title: Sociological Perspectives

Course Credits: 04 (4:0:0)

Hours of Teaching/Week: 04 Total

Contact Hours: 60 Hrs

Formative Assessment Marks: 40

Exam Duration: $2\frac{11}{22}$ Hrs

Semester-End Examination Marks: 60

Course Outcomes(COs)

CO1:Analyse the significance of major Sociological theories

CO2:Critically examine the fundamental theoretical categories

CO3: Identify the different nuances of concepts and terms.

CO4: Recognise the need and importance of social interaction and reflective relations in society.

Course Articulation Matrix – 231651

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	2	2	1	1	2	1	2	2	2	2	2
CO2	2	2	2	1	1	2	1	2	2	2	2	2
CO3	2	2	2	1	1	2	1	2	2	2	1	2
CO4	2	2	2	1	1	2	1	2	2	2	1	2
Weighted Average	2	2	2	1	1	2	1	2	2	2	1.5	2

BACHELOR OF COMMERCE
DEPARTMENT OF COMMERCE
Program Outcomes (POs) for Bachelor of Commerce

PO 1	Domain Knowledge- Inculcation of fundamental concepts, principles and application of the same.
PO 2	Problem Analysis- Identifying and analyzing the problems in the field of business.
PO 3	Design & Development of Solutions- Adapting INDAS, Companies act, designing the costing techniques and methods, marketing strategies, business and tax planning along with its approaches.
PO 4	Research and Investigation- Research methodology with SPSS, probabilities and testing of hypothesis.
PO 5	Modern Techniques & Tools- Technology based education towards revolutionizing the skills.
PO 6	Domain & Society- Inculcating positive impact on the society and making accountable by imparting the significance and its applicability.
PO 7	Environment & Sustainability- Capable of handling the uncertainties to sustain the current challenges.
PO 8	Moral & Ethical Values- Inculcate ethical values in aiming towards Corporate social responsibility.
PO 9	Individual & Teamwork- Assimilate the quality of personnel through adoption of scientific management studies and curtail any flaws without conflicts.
PO 10	Communication- Stream light the thoughts to reach the goals by creating tactical outreach plans.
PO 11	Project Management & Finance- Create opportunities through well planned diversified projects.
PO 12	Life Long Learning- Develop an inquisitiveness in continuous and self-motivated approach towards grooming the global leaders.

**I SEMESTER
DISCIPLINE SPECIFIC COURSE (DSC) 1**

Course Code: 213129	Course Title: FINANCIAL ACCOUNTING – I
Course Credits: 4.(L:T:P): 4:0:0	Teaching Hours/Week: 04 Hours
Total Contact Hours: 64 Hours	Formative Assessment Marks: 40
Exam Duration: 2 1/2 Hours	Semester End Examination Marks: 60

Course Outcome:

CO1- Acquire the knowledge about basics of Financial Accounting with reference to IND AS and IFRS.

CO2- Drafting of Hire Purchase System and Installment System.

CO3- Knowledge of transacting Royalty Accounting

CO4- Prepare and analyze financial statements of sole trading concerns.

Course Articulation Matrix – 213129

Course/Program Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	2	2	-	2	2	2	1	1	2	1	1
CO2	2	2	2	1	2	-	2	1	1	2	1	1
CO3	2	2	2	-	2	-	2	1	2	2	1	1
CO4	2	2	2	1	2	-	2	1	2	2	1	1
W/AVG	2	2	2	1	2	2	2	1	1.5	2	1	1

**I SEMESTER
DISCIPLINE SPECIFIC COURSE (DSC) 2**

Course Code: 213130	Course Title: Management Principles and Applications
Course Credits: 4. (L:T:P): 4:0:0	Teaching Hours/Week: 04 Hours
Total Contact Hours: 64 Hours	Formative Assessment Marks: 40
Exam Duration: 2 1/2 Hours	Semester End Examination Marks: 60

Course Outcomes:

CO1-Identify the different theories of organization in the present context

CO2-Gain the knowledge of planning process and organizing.

CO3-Compare and chose the different types of motivation factors and leadership styles

CO4-Using techniques of Control and Principles of Coordination.

Course Articulation Matrix – 213130

Course/Program Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	-	-	-	1	1	1	1	1	2	-	1
CO2	2	1	1	1	-	-	2	1	-	1	-	1
CO3	2	-	1	-	1	2	1	2	2	2	1	2
CO4	2	1	1	1	1	1	1	1	1	1	1	1
W/AVG	2	1	1.5	1	1.3	1.3	1.25	1.25	1.3	1.5	1	1.25

**I SEMESTER
DISCIPLINE SPECIFIC COURSE (DSC) 3**

Course Code: 213131	Course Title: Principles of Marketing
Course Credits: 4. (L:T:P): 4:0:0	Teaching Hours/Week: 04 Hours
Total Contact Hours: 64 Hours	Formative Assessment Marks: 40
Exam Duration: 2 1/2 Hours	Semester End Examination Marks: 60

Course Outcome:

CO1- Deal with Marketing Environment, Marketing Mix and Online Marketing.

CO2- Identify the Stages involved in New Product Development and PLC.

CO3- Know the role of Pricing Strategies, Physical Distribution modes.

CO4- Application of Principles of marketing by business firms.

Course Articulation Matrix – 213131

Course/Program Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	2	1	-	-	2	1	1	-	3	-	1
CO2	2	2	2	2	1	1	1	1	2	2	1	1
CO3	1	2	2	2	2	1	1	2	2	2	1	1
CO4	2	1	1	-	-	-	1	1	1	2	-	1
W/AVG	1.75	1.75	1.5	2	1.5	2	1	1.25	1.25	2.25	1	1

**I SEMESTER
OPEN ELECTIVE 1**

Course Code: 21OECOM101	Course Title: Basics of Accounting
Course Credits: 3. (L:T:P): 3:0:0	Teaching Hours/Week: 03 Hours
Total Contact Hours: 42 Hours	Formative Assessment Marks: 40
Exam Duration: 2 1/2 Hours	Semester End Examination Marks: 60

Course Outcome:

CO1-Gain the knowledge of the Accounting Concepts and Conventions adopted in preparation of Financial Statements

CO2-Identify business transactions and record it in Journal entries

CO3-Preparation of subsidiary books.

CO4-Analyze and prepare financial statements of sole trading concern.

Course Articulation Matrix – 21OECOM101

Course/Program Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	1	-	-	-	1	-	1	-	1	-	1
CO2	2	1	1	-	1	-	-	1	-	1	-	1
CO3	2	1	1	1	-	-	-	1	1	1	1	1
CO4	2	1	-	-	-	1	1	1	-	1	1	1
W/AVG	2	1	1	1	1	1	1	1	1	1	1	1

I SEMESTER OPEN ELECTIVE 1

Course Code: 21OECOM102	Course Title: Managing Workforce
Course Credits: 3. (L:T:P): 3:0:0	Teaching Hours/Week: 03 Hours
Total Contact Hours: 42 Hours	Formative Assessment Marks: 40
Exam Duration: 2 1/2 Hours	Semester End Examination Marks: 60

Course Outcome:

CO1-Managing themselves at work place.

CO2-Skill of handling the employees.

CO3-Focus on developing training activities.

CO4-Knowledge of rewarding the employees.

Course Articulation Matrix – 21OECOM102

Course/Program Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	1	-	-	-	1	-	1	-	1	-	1
CO2	2	1	1	-	1	-	-	1	-	1	-	1
CO3	2	1	1	1	-	-	1	1	1	1	1	1
CO4	2	1	-	1	-	1	-	1	-	1	1	1
W/AVG	2	1	1	1	1	1	1	1	1	1	1	1

**II SEMESTER
DISCIPLINE SPECIFIC COURSE (DSC) 4**

Course Code: 213229	Course Title: FINANCIAL ACCOUNTING – II
Course Credits: 4. (L:T:P): 4:0:0	Teaching Hours/Week: 04 Hours
Total Contact Hours: 64 Hours	Formative Assessment Marks: 40
Exam Duration: 2 1/2 Hours	Semester End Examination Marks: 60

Course Outcome:

CO1-Acquire the knowledge of transaction of Branch Accounts and Departmental Accounts.

CO2-Know about Consignment Process and Transactions

CO3-Knowledge about the Concepts of Fire Insurance and Claims

CO4-Preparation of the final accounts and loss of stock of business firms.

Course Articulation Matrix – 213229

Course/Program Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	1	-	-	-	1	-	1	-	1	-	1
CO2	2	1	1	1	-	-	1	2	-	1	-	1
CO3	2	1	1	-	1	1	2	1	-	2	-	1
CO4	2	2	1	-	-	1	1	2	1	2	1	1
W/AVG	2	1.25	1	1	1	1	1.3	1.5	1	1.5	1	1

**II SEMESTER
DISCIPLINE SPECIFIC COURSE (DSC) 5**

Course Code: 213230	Course Title: Company Law
Course Credits: 4. (L:T:P): 4:0:0	Teaching Hours/Week: 04 Hours
Total Contact Hours: 64 Hours	Formative Assessment Marks: 40
Exam Duration: 2 1/2 Hours	Semester End Examination Marks: 60

Course Outcomes

CO1-Knowledge about Frame work of Companies Act of 2013.

CO2- Identify the stages of formation and documents involved .

CO3- Role of Managerial Personnel and procedure of conducting company meetings.

CO4- Consequences of liquidation, and to know the Duties and responsibilities of Liquidator.

Course Articulation Matrix – 213230

Course/Program Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	1	-	-	-	1	1	2	2	1	-	1
CO2	2	1	-	1	1	1	1	2	-	1	-	1
CO3	2	2	1	1	1	1	1	2	1	2	1	1
CO4	2	2	1	1	1	1	1	1	-	1	-	1
W/AVG	2	1.5	1	1	1	1	1	1.75	1.5	1.25	1	1

**II SEMESTER
DISCIPLINE SPECIFIC COURSE (DSC) 6**

Course Code: 213231	Course Title: Law and Practice of Banking
Course Credits: 4. (L:T:P): 4:0:0	Teaching Hours/Week: 04 Hours
Total Contact Hours: 64 Hours	Formative Assessment Marks: 40
Exam Duration: 2 1/2 Hours	Semester End Examination Marks: 60

Course Outcome:

CO1-Conceptualise the frame work of Banking, classification of Banking, banker and customer relationship and E-Banking services.

CO2- Knowledge of RBI functions and measures of credit Control.

CO3- Factors contributing to NPA's and remedies available to reduce NPA's

CO4- Know the Banker and Customer relationship and E-banking Services.

Course Articulation Matrix – 213231

Course/Program Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	2	1	-	2	2	1	1	-	2	-	1
CO2	2	1	-	-	1	1	-	1	-	1	1	1
CO3	2	2	2	1	1	1	-	1	1	1	1	
CO4	2	1	-	-	-	1	-	1	1	2	-	1
W/AVG	2	1.5	1.5	1	1.3	1.25	1	1	1	1.5	1	1

**II SEMESTER
OPEN ELECTIVE 2**

Course Code: 21OECOM201	Course Title: Financial Literacy
Course Credits: 3. (L:T:P): 3:0:0	Teaching Hours/Week: 03 Hours
Total Contact Hours: 42 Hours	Formative Assessment Marks: 40
Exam Duration: 2 1/2 Hours	Semester End Examination Marks: 60

Course Outcomes:

CO1- Knowledge of finance by preparing financial plans and budgets.

CO2- Benefit of knowing NBFI

CO3- Update with advanced technology of banking services.

CO4- Describe the importance of insurance services as social security measures.

Course Articulation Matrix – 21OECOM201

Course/Program Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	1	1	1	1	1	-	1	-	1	-	1
CO2	2	-	-	-	-	1	-	1	-	1	1	1
CO3	2	1	1	1	2	-	1	1	-	1	-	1
CO4	2	1	-	1	1	1	-	1	1	1	1	1
W/AVG	2	1	1	1	1.3	1	1	1	1	1	1	1

Course Code: 21OECOM202	Course Title: Retail Management
Course Credits: 3. (L:T:P): 3:0:0	Teaching Hours/Week: 03 Hours
Total Contact Hours: 42 Hours	Formative Assessment Marks: 40
Exam Duration: 2 1/2 Hours	Semester End Examination Marks: 60

Course Outcome:

CO1- Acquire skills required for managing retail business

CO 2- Start their own retail business in the future

CO3- Recruiting the human resources

CO4- Updated with modern technology in retailing.

Course Articulation Matrix – 21OECOM202

Course/Program Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	2	1	-	-	2	1	1	-	3	-	1
CO2	2	2	2	2	1	1	1	1	2	2	1	1
CO3	1	2	2	2	2	1	1	2	2	2	1	1
CO4	2	1	1	-	-	-	1	1	1	2	-	1
W/AVG	1.75	1.75	1.5	2	1.5	2	1	1.25	1.25	2.25	1	1

III SEMESTER DISCIPLINE SPECIFIC COURSE (DSC) 7

Course Code: 223329	Course Title: Corporate Accounting
Course Credits: 4.(L:T:P): 4:0:0	Teaching Hours/Week: 04 Hours
Total Contact Hours: 56 Hours	Formative Assessment Marks: 40
Exam Duration: 2 1/2 Hours	Semester End Examination Marks: 60

Course Outcomes:

CO1-Knowing the treatment of underwriting of shares.

CO2-Comprehend the computation of profit prior to incorporation.

CO3-Know the valuation of intangible assets and valuation of shares

CO4-Prepare the financial statements of companies as per companies' act.

Course Articulation Matrix – 223329

Course/Program Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	1	1	1	-	1	-	1	1	1	1	1
CO2	2	1	1	1	-	-	-	1	1	1	1	1
CO3	2	1	1	1	1	-	1	1	-	1	1	1
CO4	2	2	1	1	1	1	-	1	1	1	2	2
WAVG	2	1.25	1	1	1	1	1	1	1	1	1.25	1.25

III SEMESTER DISCIPLINE SPECIFIC COURSE (DSC) 8

Course Code: 223330	Course Title: Business Statistics
Course Credits: 4 (L:T:P): 4:0:0	Teaching Hours/Week: 04 Hours
Total Contact Hours: 56 Hours	Formative Assessment Marks: 40
Exam Duration: 2 1/2 Hours	Semester End Examination Marks: 60

Course Outcomes:

CO1-Familiarizes statistical data and descriptive statistics for business decision-making.

CO2-Comprehend the measures of variation and measures of skewness.

CO3-Know the use of probability and its distributions in business.

CO4-Application of correlation and regression in business decisions along with index numbers

Course Articulation Matrix – 223330

Course/Program Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	1	1	1	1	1	1	1	2	1	1	1
CO2	1	1	1	1	-	1	-	1	1	1	1	-
CO3	2	2	2	1	1	-	1	1	2	1	1	1
CO4	2	2	2	1	-	1	-	1	1	2	2	2
W/AVG	2	1.5	1.5	1	1	1	1	1	1.5	1.25	1.25	1.3

**III SEMESTER
DISCIPLINE SPECIFIC COURSE (DSC) 9**

Course Code: 223331	Course Title: Cost Accounting
Course Credits: 4 (L:T:P): 4:0:0	Teaching Hours/Week: 04 Hours
Total Contact Hours: 56 Hours	Formative Assessment Marks: 40
Exam Duration: 2 1/2 Hours	Semester End Examination Marks: 60

Course Outcomes:

CO1-Know the concepts of cost accounting & Methods of Costing.

CO2-knowing the Procedure and documentations involved in procurement of Materials & compute the valuation of Inventory.

CO 3 - Make use of payroll procedures & compute idle and over time.

CO4- Preparation of cost sheet and knowing the methods of allocation, apportionment, absorption of overheads.

Course Articulation Matrix – 223331

Course/Program Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	-	-	1	-	2	2	2	1	1	1	1
CO2	2	1	1	1	2	2	1	1	1	1	1	1
CO3	1	-	-	-	1	1	1	1	-	1	1	1
CO4	2	1	1	1	2	1	2	1	1	2	2	2
W/AVG	1.75	1	1	1	1.25	1.5	1.5	1.25	1	1.25	1.25	1.25

III SEMESTER OPEN ELECTIVE 3

Course Code: 22OECOM301	Course Title: Advertising Skills
Course Credits: 3 (L:T:P): 3:0:0	Teaching Hours/Week: 03 Hours
Total Contact Hours: 42 Hours	Formative Assessment Marks: 40
Exam Duration: 2 1/2 Hours	Semester End Examination Marks: 60

Course Outcomes:

CO1-Familiarize with advertising concepts.

CO2-Identify effective media choice for advertising.

CO3-Developing ads for different media.

CO4-Measure the advertising effectiveness and analyze the role of advertising agency.

Course Articulation Matrix – 22OECOM301

Course/P rogram Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	1	2	-	1	1	-	2	1	2	-	1
CO2	2	1	1	2	1	1	-	1	1	2	1	1
CO3	2	1	1	1	-	1	1	1	-	1	1	1
CO4	2	2	1	2	1	1	1	1	1	2	1	1
W/AVG	2	1.25	1.25	1.6	1	1	1	1.25	1	1.75	1	1

**III SEMESTER
OPEN ELECTIVE 3**

Course Code: 22OECOM302	Course Title: Entrepreneurship Skills
Course Credits: 3. (L:T:P): 3:0:0	Teaching Hours/Week: 03 Hours
Total Contact Hours: 42 Hours	Formative Assessment Marks: 40
Exam Duration: 2 1/2 Hours	Semester End Examination Marks: 60

Course Outcomes:

CO1-Discover their strengths and weaknesses in developing the Entrepreneurial mind-set.

CO2-Identify the different Government Institutions/Schemes available For promoting Entrepreneurs.

CO3-Familiarize Mechanism of Monitoring and maintaining an Enterprises.

CO4-Know the various features for successful/unsuccessful entrepreneurs.

Course Articulation Matrix – 22OECOM302

Course/Program Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	2	2	-	1	1	2	2	1	2	1	2
CO2	2	1	2	1	2	2	2	1	2	1	1	2
CO3	1	1	2	2	2	1	2	2	2	2	1	2
CO4	2	2	2	2	2	2	2	1	1	1	1	2
WAVG	1.75	1.5	2	1.6	1.75	1.5	2	1.5	1.5	1.5	1	2

**IV SEMESTER
DISCIPLINE SPECIFIC COURSE (DSC) 10**

Course Code: 223429	Course Title: Advanced Corporate Accounting
Course Credits: 4 .(L:T:P): 4:0:0	Teaching Hours/Week: 04 Hours
Total Contact Hours: 56 Hours	Formative Assessment Marks: 40
Exam Duration: 2 1/2 Hours	Semester End Examination Marks: 60

Course Outcomes:

CO1-Know the procedure of redemption of preference shares.

CO2-Comprehend the different methods of Mergers and Acquisition of Companies

CO3-Know the process of internal reconstruction.

CO4-Prepare the liquidators final statement of accounts and understand the recent developments in accounting.

Course Articulation Matrix – 223429

Course/Program Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	1	1	1	-	-	1	1	1	1	-	-
CO2	2	1	1	1	-	1	1	2	1	1	1	1
CO3	2	2	1	2	1	1	-	1	1	1	1	-
CO4	2	1	1	1	-	1	-	1	1	1	1	1
W/AVG	2	1.25	1	1.25	1	1	1	1.25	1	1	1	1

**IV SEMESTER
DISCIPLINE SPECIFIC COURSE (DSC) 1**

Course Code: 223430	Course Title: Costing Methods and Techniques
Course Credits: 4 .(L:T:P): 4:0:0	Teaching Hours/Week: 04 Hours
Total Contact Hours: 56Hours	Formative Assessment Marks: 40
Exam Duration: 2 1/2 Hours	Semester End Examination Marks: 60

Course Outcomes:

CO1-The method of costing applicable in different industries and determination of cost by applying different methods of costing.

CO2-Prepare flexible and cash budget with imaginary figures

CO3-Analyze the processes involved in standard costing

CO4-Knowledge of Activity Based Costing and its applications.

Course Articulation Matrix – 223430

Course/Program Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	1	1	1	-	1	1	1	1	1	1	1
CO2	2	1	1	1	-	1	1	1	1	1	2	1
CO3	2	1	2	2	1	1	1	1	1	1	1	1
CO4	2	1	1	1	1	1	-	1	1	1	1	1
W/AVG	2	1	1.25	1.25	1	1	1	1	1	1	1.25	1

**IV SEMESTER
DISCIPLINE SPECIFIC COURSE (DSC) 12**

Course Code: 223431	Course Title: Business Regulatory Framework
Course Credits: 4.(L:T:P): 4:0:0	Teaching Hours/Week: 04 Hours
Total Contact Hours: 56 Hours	Formative Assessment Marks: 40
Exam Duration: 2 1/2 Hours	Semester End Examination Marks: 60

Course Outcomes:

CO1-Recognize the laws relating to Contracts and its application in business activities.

CO2-Acquire knowledge on bailment and indemnification of goods in a contractual relationship and role of agents.

CO3-Comprehend the rules for Sale of Goods and rights and duties of a buyer and seller

CO4-Distinguish the partnership laws, its applicability and relevance.

Rephrase the cyber law in the present context

Course Articulation Matrix – 223431

Course/Program Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	2	1	1	1	1	-	2	1	2	1	1
CO2	2	2	1	2	1	1	1	2	1	2	1	1
CO3	2	1	1	1	-	1	1	1	-	1	1	1
CO4	2	2	1	2	1	1	-	2	1	2	1	1
W/AVG	2	1.75	1	1.5	1	1	1	1.75	1	1.75	1	1

Skill Enhancement Course 1

Course Code: 22FEIS94	Course Title: Financial education and investment awareness
Course Credits: 2 .(L:T:P): 1:0:1	Teaching Hours/Week: 15 Hours of Theory 30 Hours of Practical
Total Contact Hours: 45 Hours	Formative Assessment Marks: 20
Exam Duration: 1 1/2 Hours	Semester End Examination Marks: 30

Course Outcomes:

CO1- Acquiring the knowledge of Basic Concepts and life goals with financial goals

CO2- knowledge according to the requirements of the age and situation

CO3- Create follow up assignments that sustain changed behaviours.

Course Articulation Matrix – 22FEIS94

Course/Program Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	2	1	1	2	1	1	1	1	2	1	2
CO2	2	1	1	1	1	-	-	1	2	-	1	1
CO3	2	1	1	-	-	1	-	1	1	1	-	2
WAVG	2	1.3	1	1	1.5	1	1	1	1.3	1.5	1	1.6

DSC-13 Financial Management V SEMESTER

Course Code: 233516	Course Title: Financial Management
Course Credits: 4 .(L:T:P): 4:0:0	Teaching Hours/Week: 04 Hours
Total Contact Hours: 60 Hours	Formative Assessment Marks: 40
Exam Duration: 2 1/2 Hours	Semester End Examination Marks: 60

Course Outcomes:

CO1- Know the role of financial managers effectively in an organization.

CO2- Knowledge of knowing the techniques for time and value of money.

CO3- Imparting the skills of financial decisions.

CO4- Gain the knowledge of investment and expenses.

Course Articulation Matrix – 233516

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	PO 11	PO 12
CO1	2	1	-	-	-	1	-	1	1	1	1	1
CO2	2	2	1	1	2	1	-	1	2	2	2	3
CO3	2	2	2	2	2	1	1	1	2	1	2	3
CO4	2	2	2	2	2	1	1	1	2	1	2	3
Wtd. Avg.	2	1.75	1.6	1.6	2	2	1	1	1.75	1.25	1.75	2.5

DSC-14 Income Tax Law and Practice - I V SEMESTER

Course Code: 233517	Course Title: Income Tax Law and Practice - I
Course Credits: 4 .(L:T:P): 4:0:0	Teaching Hours/Week: 04 Hours
Total Contact Hours: 60 Hours	Formative Assessment Marks: 40
Exam Duration: 2 1/2 Hours	Semester End Examination Marks: 60

Course Outcomes:

CO1- Knowledge of the concepts of income tax.

CO2- Provisions for determining the residential status of an Individual.

CO3- Gain the knowledge of individual and house income.

CO4- Knowledge of capital gains.

Course Articulation Matrix – 233517

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	PO 11	PO 12
CO1	2	1	1	-	-	1	-	1	-	-	-	1
CO2	2	1	-	-	-	1	1	1	-	1	-	1
CO3	2	2	2	1	2	1	1	1	1	1	2	2
CO4	2	2	2	1	2	1	2	1	1	2	2	2
Wtd. Avg.	2	1.5	1.6	1	2	1	1.3	1	1	1.3	2	1.5

DSC-15 Principles and Practice of Auditing V SEMESTER

Course Code: 233518	Course Title: Principles and Practice of Auditing
Course Credits: 4 (L:T:P): 4:0:0	Teaching Hours/Week: 04 Hours
Total Contact Hours: 60 Hours	Formative Assessment Marks: 40
Exam Duration: 2 1/2 Hours	Semester End Examination Marks: 60

Course Outcomes:

CO1- Analyze the framework of auditing.

CO2- Examine the risk assessment and internal control in auditing.

CO3- Comprehend the relevance of IT in audit and audit sampling for testing.

CO4- Knowledge of auditing and reporting in the companies.

Course Articulation Matrix - 233518

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	PO 11	PO 12
CO1	2	1	-	-	-	2	2	2	2	2	1	2
CO2	2	2	2	1	2	1	1	2	2	2	1	2
CO3	2	2	2	1	1	2	1	2	2	2	1	2
CO4	2	2	2	2	2	2	2	2	2	2	1	2
Wtd. Avg.	2	1.75	2	1.3	1.6	1.75	1.5	2	2	2	1	2

DSE- Indian Accounting Standards-1 V SEMESTER

Course Code: 23DSECOM01	Course Title: Indian Accounting Standards-1
Course Credits: 3 .(L:T:P): 3:0:0	Teaching Hours/Week: 03 Hours
Total Contact Hours: 45 Hours	Formative Assessment Marks: 40
Exam Duration: 2 1/2 Hours	Semester End Examination Marks: 60

Course Outcomes:

CO1- Gain the knowledge of the accounting standards.

CO2- Preparation of the financial statements as Indian Accounting standards.

CO3- Comprehend the requirements of Indian Accounting Standards.

CO4- Understand the Accounting Standards for Items that do not Appear in
Financial Statements

Course Articulation Matrix - 23DSECOM01

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	PO 11	PO 12
CO1	2	1	-	-	1	1	-	1	-	1	1	2
CO2	2	2	2	2	2	2	1	1	1	2	2	2
CO3	2	1	1	2	2	1	1	1	1	1	1	2
CO4	2	2	2	2	2	1	1	1	2	2	2	2
Wtd. Avg.	2	1.5	1.6	2	1.75	1.6	1	1	1.3	1.5	1.5	2

DSE- Human Resources Development

V SEMESTER

Course Code: 23DSECOM04	Course Title: Human Resources Development
Course Credits: 3 (L:T:P): 3:0:0	Teaching Hours/Week: 03 Hours
Total Contact Hours: 45 Hours	Formative Assessment Marks: 40
Exam Duration: 2 1/2 Hours	Semester End Examination Marks: 60

Course Outcomes:

CO1- Gain the knowledge of HRD.

CO2- Comprehend the framework of HRD.

CO3- Skill of cognize the human resources.

CO4- Apprehend the HR performance with counseling.

Course Articulation Matrix - 23DSECOM04

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	2	-	1	-	1	2	1	2	2	2	-	2
CO2	2	-	1	1	1	2	1	2	2	2	-	2
CO3	2	1	1	1	1	2	1	2	2	2	1	2
CO4	2	1	1	-	1	2	1	2	2	2	1	2
Wtd. Avg.	2	1	1	1	1	2	1	2	2	2	1	2

DSE- Basics of Business Analytics

V SEMESTER

Course Code: 23DSECOM05	Course Title: Basics of Business Analytics
Course Credits: 3 (L:T:P): 3:0:0	Teaching Hours/Week: 03 Hours
Total Contact Hours: 45 Hours	Formative Assessment Marks: 40
Exam Duration: 2 1/2 Hours	Semester End Examination Marks: 60

Course Outcomes:

CO1- Understand the analytical applications in practice.

CO2- Validate the sources of data, use of statistical tools and techniques.

CO3- Formulate business models, using quantitative methods including spreadsheets and graphical methods.

CO4- Awareness about the emerging trends in the world of analytics.

Course Articulation Matrix - 23DSECOM05

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	PO 11	PO 12
CO1	2	-	1	-	1	2	1	2	2	2	-	2
CO2	2	-	1	1	1	2	1	2	2	2	-	2
CO3	2	1	1	1	1	2	1	2	2	2	1	2
CO4	2	1	1	-	1	2	1	2	2	2	1	2
Wtd. Avg.	2	1	1	1	1	2	1	2	2	2	1	2

DSE- Retail Management

V SEMESTER

Course Code: 23DSECOM03	Course Title: Retail Management
Course Credits: 3 (L:T:P): 3:0:0	Teaching Hours/Week: 03 Hours
Total Contact Hours: 45 Hours	Formative Assessment Marks: 40
Exam Duration: 2 1/2 Hours	Semester End Examination Marks: 60

Course Outcomes:

CO1- Knowledge of the contemporary of retail management.

CO2- Know the issues, strategies and ~~tools~~ in Retailing.

CO3- Perceive the role and responsibilities of store manager and examine the visual merchandising and its techniques in the present context.

CO4- Comprehend the emerging trends in Retail Industry.

Course Articulation Matrix - 23DSECOM03

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	PO 11	PO 12
CO1	2	2	2	2	2	2	1	3	3	3	1	2
CO2	2	2	2	2	2	2	1	3	3	3	1	2
CO3	2	2	2	2	2	-	1	3	3	3	1	2
CO4	2	2	2	2	2	2	1	3	3	3	1	2
Wtd. Avg.	2	2	2	2	2	2	1	3	3	3	1	2

VOC-GST-Law & Practice

V SEMESTER

Course Code: 23VOCCOM01	Course Title: GST-Law & Practice (voc)
Course Credits:3 .(L:T:P): 2:0:1	Teaching Hours/Week: 03 Hours
Total Contact Hours: 45 Hours	Formative Assessment Marks: 40
Exam Duration: 2 1/2 Hours	Semester End Examination Marks: 60

Course Outcomes:

CO1- Knowledge of the concepts of GST.

CO2- Comprehend the fundamentals of GST.

CO3- Analyze the GST Procedures in the Business.

CO4- Know the GST Assessment and its computation

Course Articulation Matrix - 23VOCCOM01

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	PO 11	PO 12
CO1	2	1	-	-	-	1	1	1	-	1	-	2
CO2	2	1	-	-	-	1	1	1	-	1	-	2
CO3	2	2	2	2	2	1	1	1	1	1	1	2
CO4	2	2	2	2	2	1	1	1	1	1	1	2
Wtd. Avg.	2	1.5	2	2	2	1	1	1	1	1	1	2

DSC16- Advanced Financial Management

VI SEMESTER

Course Code: 233616	Course Title: Advanced Financial Management
Course Credits: 4 (L:T:P): 4:0:0	Teaching Hours/Week: 04 Hours
Total Contact Hours: 60 Hours	Formative Assessment Marks: 40
Exam Duration: 2 1/2 Hours	Semester End Examination Marks: 60

Course Outcomes:

CO1- Knowledge of the overall cost of capital.

CO2- Comprehend the different advanced capital budgeting techniques.

CO3- Know the importance of dividend decisions, mergers and acquisition.

CO4- Enable the ethical and governance issues in financial management

Course Articulation Matrix - 233616

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	PO 11	PO 12
CO1	2	1	-	-	-	1	-	1	1	1	1	1
CO2	2	2	1	1	2	1	-	1	2	2	2	3
CO3	2	2	2	2	2	1	1	1	2	1	2	3
CO4	2	2	2	2	2	1	1	1	2	1	2	3
Wtd. Avg.	2	1.75	1.6	1.6	2	2	1	1	1.75	1.25	1.75	2.5

DSC17- Income Tax Law & Practice - II

VI SEMESTER

Course Code: 233617	Course Title: Income Tax Law & Practice - II
Course Credits: 4 (L:T:P): 4:0:0	Teaching Hours/Week: 04 Hours
Total Contact Hours: 60 Hours	Formative Assessment Marks: 40
Exam Duration: 2 1/2 Hours	Semester End Examination Marks: 60

Course Outcomes:

CO1- Knowledge of computation in income from business and other Profession.

CO2- Procedure of tax deduction and advance tax ruling.

CO3- Compute the income from other sources.

CO4- To acquire the knowledge of assessment procedure and to know the power of incometax authorities.

Course Articulation Matrix – 233617

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	PO 11	PO 12
CO1	2	1	1	-	-	1	-	1	-	-	-	1
CO2	2	1	-	-	-	1	1	1	-	1	-	1
CO3	2	2	2	1	2	1	1	1	1	1	2	2
CO4	2	2	2	1	2	1	2	1	1	2	2	2
Wtd. Avg.	2	1.5	1.6	1	2	1	1.3	1	1	1.3	2	1.5

DSC19- : Indian Accounting Standards-2

VI SEMESTER

Course Code: 23DSECOM06	Course Title: Indian Accounting Standards-2
Course Credits: 3 .(L:T:P): 3:0:0	Teaching Hours/Week: 03 Hours
Total Contact Hours: 45 Hours	Formative Assessment Marks: 40
Exam Duration: 2 1/2 Hours	Semester End Examination Marks: 60

Course Outcomes

CO1- Knowledge of preparing the consolidated financial statements as per INDAS.

CO2- Learn the disclosures in the financial statements.

CO3- Know how about accounting policies.

CO4- Analyze the Revenue based accounting standard.

Course Articulation Matrix 23DSECOM06

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	PO 11	PO 12
CO1	2	1	-	-	1	1	-	1	-	1	1	2
CO2	2	2	2	2	2	2	1	1	1	2	2	2
CO3	2	1	1	2	2	1	1	1	1	1	1	2
CO4	2	2	2	2	2	1	1	1	2	2	2	2
Wtd. Avg.	2	1.5	1.6	2	1.75	1.6	1	1	1.3	1.5	1.5	2

DSE- Investment Management

VI SEMESTER

Course Code: 23DSECOM07	Course Title: Investment Management
Course Credits: 3 .(L:T:P): 3:0:0	Teaching Hours/Week: 03 Hours
Total Contact Hours: 45 Hours	Formative Assessment Marks: 40
Exam Duration: 2 1/2 Hours	Semester End Examination Marks: 60

Course Outcomes:

CO1- Knowledge of investments and its instruments.

CO2- Comprehend the functioning of secondary market in India.

CO3- Gain the concept of risk and return and their relevance in purchasing and selling of securities.

CO4- Analyze the company's technical analysis for trading in the share market.

Course Articulation Matrix - 23DSECOM07

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	PO 11	PO 12
CO1	2	-	-	-	-	1	1	1	1	1	-	2
CO2	2	2	2	1	2	1	1	1	1	1	-	2
CO3	2	2	2	2	2	2	1	1	1	2	1	2
CO4	2	2	2	2	2	2	1	1	1	2	1	2
Wtd. Avg.	2	2	2	1.6	2	1.5	1	1	1	1.5	1	2

DSE- Cultural Diversity at Work Place

VI SEMESTER

Course Code: 23DSECOM09	Course Title: Cultural Diversity at Work Place
Course Credits: 3 .(L:T:P): 3:0:0	Teaching Hours/Week: 03 Hours
Total Contact Hours: 45 Hours	Formative Assessment Marks: 40
Exam Duration: 2 1/2 Hours	Semester End Examination Marks: 60

Course Outcomes:

CO1- Knowledge of the notion of diversity.

CO2- Recall the cultural diversity at work place in an organization.

CO3- Explore the differences in Culture.

CO4- Assess the contemporary organizational strategies for managing workforce diversity.

Course Articulation Matrix 23DSECOM09

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	2	-	-	-	-	1	1	1	1	1	2	2
CO2	2	-	-	-	-	1	1	1	1	1	2	2
CO3	2	1	1	1	1	1	1	1	1	1	2	2
CO4	2	2	2	2	2	1	1	1	1	1	2	2
Wtd. Avg.	2	1.5	1.5	1.5	1.5	1	1	1	1	1	2	2

DSE- Human Resource Analytics

VI SEMESTER

Course Code: 23DSECOM10	Course Title: Human Resource Analytics
Course Credits: 3 (L:T:P): 3:0:0	Teaching Hours/Week: 03 Hours
Total Contact Hours: 45 Hours	Formative Assessment Marks: 40
Exam Duration: 2 1/2 Hours	Semester End Examination Marks: 60

Course Outcomes:

CO 1- Knowledge of Analytics in Human Resource.

CO 2- Identify a list of HR metrics relevant to an organization's mission or goals.

CO 3- Applying the usage of HR analytics to support making data-driven decisions.

CO 4- Application of analytical techniques to interpret HR data.

Course Articulation Matrix - 23DSECOM10

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	2	-	1	-	1	2	1	2	2	2	-	2
CO2	2	-	1	1	1	2	1	2	2	2	-	2
CO3	2	1	1	1	1	2	1	2	2	2	1	2
CO4	2	1	1	-	1	2	1	2	2	2	1	2
Wtd. Avg.	2	1	1	1	1	2	1	2	2	2	1	2

DSE- Customer Relationship Management

VI SEMESTER

Course Code: 23DSECOM08	Course Title: Customer Relationship Management
Course Credits: 3 (L:T:P): 3:0:0	Teaching Hours/Week: 03 Hours
Total Contact Hours: 45 Hours	Formative Assessment Marks: 40
Exam Duration: 2 1/2 Hours	Semester End Examination Marks: 60

Course Outcomes:

CO1- Awareness of the nuances of customer relationship.

CO2- Analysis of the CRM link with the other aspects of marketing.

CO3- Knowledge of the Role of CRM in increasing the sales of the company.

CO4- Imparting the knowledge of marketing strategies and implementations.

Course Articulation Matrix - 23DSECOM08

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	2	2	2	2	2	2	2	3	3	3	1	2
CO2	2	1	1	1	1	1	2	1	2	2	1	2
CO3	2	2	2	2	2	2	1	2	1	1	1	2
CO4	2	1	1	1	1	1	2	1	2	2	1	2
Wtd. Avg.	2	1.5	1.5	1.5	1.5	1.5	1.75	1.75	2	2	1	1

VOC- Assessment of Non – Individuals and Filing of ITRs

VI SEMESTER

Course Code: 23VOCCOM02	Course Title: Assessment of Non - Individuals and Filing of ITRs
Course Credits:3 .(L:T:P): 3:0:0	Teaching Hours/Week: 03 Hours
Total Contact Hours: 45 Hours	Formative Assessment Marks: 40
Exam Duration: 2 1/2 Hours	Semester End Examination Marks: 60

Course Outcomes:

CO1- Knowledge to calculate the Depreciation and allowance.

CO2- Comprehend the assessment of corporate entities and determine the tax liability.

CO3- Assessing the companies with their financial aspect.

CO4- Acquaint with the rules and regulations of INDAS.

Course Articulation Matrix - 23VOCCOM02

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	2	1	1	1	1	1	2	1	2	1	1	2
CO2	2	1	1	1	1	1	2	1	2	1	1	2
CO3	2	2	2	2	2	2	1	1	1	1	1	2
CO4	2	-	-	-	-	1	2	1	2	1	1	2
Wtd. Avg.	2	1.3	1.3	1.3	1.3	1.25	1.75	1	1.75	1	1	2

BACHELOR OF BUSINESS ADMINISTRATION

DEPARTMENT OF BUSINESS ADMINISTRATION

Programme outcomes for Business Administration

POs	Programme Outcomes (POs)
PO1	Domain knowledge: Acquire knowledge of management theories and practices with special focus on professional accounting and finance.
PO2	Problem analysis: Identify, formulate and analyze complex business problems in a structured approach to focus upon real issues.
PO3	Design/development of solutions: Developing solutions by using critical thinking and analytical reasoning with appropriate qualitative, quantitative techniques and software applications in solving business and research problems.
PO4	Investigation and research: Implementation of research methods to investigate specific business problems and draw conclusions.
PO5	Use of modern techniques/tools: Ability to analyze and interpret data using mathematical, statistical, ICT and risk management techniques to solve business problems.
PO6	Business and Society: Entrepreneurs/Managers with socio-economic value system.
PO7	Environment and Sustainability: Contemplate and Introspect prevailing environmental challenges and channelize inclination towards sustainable development.
PO8	Moral and Ethical values: Assimilate ethical, value based leadership skills and moral principles.
PO9	Individual and Team work: Ability to perform as an individual or leader in diverse settings.
PO10	Communication and leadership skills: Harness communication and leadership skills effectively to adapt to the growing business world.
PO11	Project management and Finance: Design methods and process; apply skills and knowledge to complete projects in accordance with project acceptance criteria and financial considerations.
PO12	Lifelong Learning: Evolve and improve as an individual by updating knowledge to enable oneself to thrive in social and professional life.

DSC (1) Syllabus for BBA Semester - I

Course Code: 214129	Course Title: Management Principles & Practice
Course Credit (L:T:P): 4(4:0:0)	Teaching Hours/Week:4
Total Contact Hours:56 Hrs	Formative Assessment Marks: 40
Duration of Exam: 2 ½ Hours	Semester End Examination Marks: 60

Course Outcomes: On successful completion of the course, the Students will;

CO1: Acquire knowledge on the concepts of business management, principles and function of management.

CO2: Analyze and interpret the process of planning and decision making.

CO3: Design organization structures based on authority, task and responsibilities.

CO4: Gain knowledge and apply the principles of direction, importance of communication, barrier of communication, motivation theories and leadership styles.

CO5: Analyze the real time scenarios requirement of good control system and control techniques.

CO6: Evaluate the concepts of CSR as a device for promoting sustainable development.

Course Articulation Matrix – 214129

PO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	1	1	-	1	1	-	1	1	2	1	1
CO2	2	2	2	1	1	1	2	2	2	2	-	2
CO3	2	1	2	1	1	1	-	2	1	1	-	2
CO4	2	2	2	-	2	1	-	2	1	3	-	1
CO5	2	3	2	2	2	1	1	1	2	2	1	1
CO6	3	2	1	2	2	1	3	2	2	2	1	2
WA	2.16	1.83	1.6	1.5	1.5	1	2	1.66	1.5	2	1	1.5

DSC (2) Syllabus for BBA

Semester - I

Course Code: 214130	Course Title: Fundamentals of Business Accounting
Course Credit (L:T:P): 4(4:0:0)	Teaching Hours/Week: 4
Total Contact Hours:56	Formative Assessment Marks: 40
Duration of Exam: 2 ½ Hours	Semester End Examination Marks: 60

Course Outcomes: On successful completion of the course, the Students will;

CO1: Acquire the knowledge on framework of accounting as well accounting standards.

CO2: Pass journal entries, prepare ledger accounts and trail balance independently

CO3: Analyze and prepare cash book and Bank Reconciliation Statement.

CO4: Illustrate and draw up final accounts of proprietary concern.

CO5: Construct final accounts through application of tally.

Course Articulation Matrix – 214130

PO/CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	-	-	-	-	1	-	-	1	1	1	1
CO2	3	2	2	-	-	1	-	-	1	1	1	1
CO3	3	2	2	-	-	1	-	-	1	1	1	1
CO4	3	2	2	-	-	1	-	-	1	1	1	1
CO5	3	-	1	-	2	1	-	-	1	1	1	1
WA	3	2	1.75	-	2	1			1	1	1	1

DSC (3) Syllabus for BBA
Semester - I

Course Code: 214131	Course Title: Marketing Management
Course Credit (L:T:P): 4(4:0:0)	Teaching Hours/Week:4
Total Contact Hours:56	Formative Assessment Marks: 40
Duration of Exam: 2 ½ Hours	Semester End Examination Marks: 60

Course Outcomes: On successful completion of the course, the Students will;

CO1: Acquire knowledge on the concepts and functions of marketing.

CO2: Analyze the marketing environment impacting the business.

CO3: Segment the market and analyze consumer behaviour

CO4: Gain knowledge about 4 P's of marketing and also strategize marketing mix

CO5: Acquire knowledge of 7 P's of service marketing mix.

Course Articulation Matrix – 214131

PO/CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	1	1	-	2	2	1	1	2	2	1	2
CO2	2	2	2	2	2	2	2	2	2	2	2	2
CO3	2	2	3	2	2	2	1	2	2	3	1	2
CO4	3	2	3	2	2	1	1	1	2	2	2	2
CO5	2	2	2	1	1	2	2	2	2	2	1	2
WA	2.2	1.8	2.2	1.75	1.8	1.8	1.4	1.6	2.0	2.2	1.4	2

OE (1) Syllabus for BBA

Semester - I

Course Code: 21OEBBA101	Course Title: Business Organisation
Course Credit (L:T:P): 3(3:0:0)	Teaching Hours/Week:3
Total Contact Hours:45	Formative Assessment Marks: 40
Duration of Exam: 2 ½ Hours	Semester End Examination Marks: 60

Course Outcomes: On successful completion of the course, the Students will :

CO1:Acquire the knowledge on the nature, objectives and social responsibilities of business

CO2: Exemplify the different forms of organizations

CO3: Appraise the features and functions of public enterprises

CO4: Identify and compare different types of business combinations

CO5:Illustrate the basic concepts and functions of management

Course Articulation Matrix - 21OEBBA101

PO/CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	-	-	-	-	1	-	1	1	-	1	1
CO2	2	-	-	-	-	1	-	1	1	-	1	1
CO3	2	-	-	-	-	1	-	1	1	-	1	1
CO4	2	-	-	-	-	1	-	1	1	-	1	1
CO5	2	-	-	-	-	1	-	1	1	-	1	1
WA	2	-	-	-	-	1	-	1	1	-	1	1

**OE (1) Syllabus for BBA
Semester – I**

Course Code: 21OEBBA102	Course Title: Office Organisation and Management
Course Credit (L:T:P): 3(3:0:0)	Teaching Hours/Week:3
Total Contact Hours:45	Formative Assessment Marks: 40
Duration of Exam: 2 ½ Hours	Semester End Examination Marks: 60

Course Outcomes: On successful completion of the course, the Students will;

CO1: Acquire knowledge with respect to office organisation and management

CO2: Apply skills in effective office organisation

CO3: Proficiency to maintain office records

CO4: Maintain digital records effectively

CO5: Analyze different types of organisation structures and responsibilities as future Office managers.

Articulation Matrix - 21OEBBA102

PO C O	PO1	PO2	PO3	PO4	PO5	PO6	PO 7	PO8	PO9	PO10	PO11	PO12
CO1	3	2	2	2	2	2	1	2	2	2	2	2
CO2	2	2	2	2	2	2	-	2	2	2	2	2
CO3	2	2	2	2	2	2	-	2	2	2	2	2
CO4	2	2	2	2	3	2	-	2	2	1	2	2
CO5	2	2	2	2	2	3	1	2	2	2	2	2
WA	2.2	2	2	2	2.2	2.2	1	2	2	1.8	2	2

DSC (4) Syllabus for BBA
Semester - II

Course Code: 214229	Course Title: Financial Accounting and Reporting
Course Credit (L:T:P):4 (4:0:0)	Teaching Hours/Week:4
Total Contact Hours:56	Formative Assessment Marks: 40
Duration of Exam: 2 ½ Hours	Semester End Examination Marks: 60

Course Outcomes: On successful completion of the course, the Students will;

CO1: Analyze and prepare final accounts of partnership firms

CO2: Acquire knowledge about the process of public issue of shares and accounting for the same

CO3: Construct final accounts of joint stock companies.

CO4: Analyze and evaluate vertical and horizontal analysis of financial statements

CO5: Analyze, interpret and understand company's annual reports.

Course Articulation Matrix – 214229

PO /C O	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	3	2	1	2	1	-	1	2	3	2	2
CO2	3	3	2	2	3	2	2	2	1	2	2	2
CO3	2	2	3	1	2	1	-	2	2	2	2	2
CO4	3	3	3	2	3	1	1	2	2	2	2	2
CO5	2	1	1	2	2	1	-	2	2	2	2	2
WA	2.6	2.4	2.2	1.6	2.4	1.2	1.5	1.8	1.8	2.2	2	2

**DSC (5) Syllabus for BBA
Semester -II**

Course Code: 214230	Course Title: Human Resource Management
Course Credit (L:T:P): 4(4:0:0)	Teaching Hours/Week:4
Total Contact Hours:56	Formative Assessment Marks: 40
Duration of Exam: 2 ½ Hours	Semester End Examination Marks: 60

Course Outcomes: On successful completion of the course, the students will;

CO1: Acquire knowledge on the role and responsibility of Human resources management functions on business

CO2: Analyze HRP, Recruitment and Selection process

CO3: Acquire knowledge on induction, training, and compensation aspects.

CO4: Analyze performance appraisal and its process.

CO5: Gather knowledge on Employee Engagement and Psychological Contract.

Course Articulation Matrix – 214230

PO/CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	1	-	-	1	1	-	2	2	2	-	2
CO2	2	2	2	2	1	2	-	2	2	2	-	2
CO3	2	2	2	2	2	2	-	2	2	2	1	2
CO4	2	2	2	2	2	1	-	1	2	2	-	2
CO5	1	2	2	2	1	1	-	2	2	2	-	2
WA	1.8	1.8	2	2	1.4	1.4	-	1.8	2	2	1	2

**DSC (6) Syllabus for BBA
Semester –II**

Course Code: 214231	Course Title: Business Environment
Course Credit (L:T:P): 4 (4:0:0)	Teaching Hours/Week:4
Total Contact Hours:56	Formative Assessment Marks: 40
Duration of Exam: 2 ½ Hours	Semester End Examination Marks: 60

Course Outcomes: On successful completion Student will;

CO1: Acquire the knowledge on components of business environment.

CO2: Analyze the environmental factors influencing business organisation.

CO3: Evaluate Competitive structure analysis for select industry.

CO4: Illustrate impact of fiscal policy and monetary policy on business.

CO5: Draw Inference about the impact of economic environmental factors on business

Course Articulation Matrix – 214231

PO C O	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	2	2	2	1	2	2	2	1	1	1	2
CO2	2	1	1	1	1	1	2	2	1	1	2	2
CO3	2	2	2	2	2	2	-	2	2	2	2	2
CO4	2	1	1	1	1	1	-	-	-	-	1	1
CO5	2	2	2	1	1	2	1	2	2	1	2	2
WA	2.2	1.6	1.6	1.4	1.2	1.6	1.6	2	1.25	1.25	1.6	1.4

**DSC (6) Syllabus for BBA
Semester - II**

Course Code: 214232	Course Title: Business Mathematics
Course Credit (L:T:P): 4(4:0:0)	Teaching Hours/Week:4
Total Contact Hours:56	Formative Assessment Marks: 40
Duration of Exam: 2 ½ Hours	Semester End Examination Marks: 60

Course Outcomes: On successful completion of the course, the students will;

CO1: Apply basic concepts of business maths to solve and interpret application problems in business

CO2: Build types of equation to solve business problem

CO3: Solve problems on Matrices, determinants and evaluate them.

CO4: Utilize the concept of simple interest and compound interest and apply them in day-to-day life.

CO5: Analyze the problems on Arithmetic progression, Geometric progression and construct logical application of these concepts.

Course Articulation Matrix - 214232

P CO	PO1	PO2	PO3	PO4	PO5	PO 6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	2	2	2	1	1	-	1	1	-	1	2
CO2	2	1	1	1	1	1	-	-	1	-	1	1
CO3	2	2	2	2	1	1	-	1	2	1	2	2
CO4	2	2	2	2	1	1	-	1	-	-	1	1
CO5	2	1	1	1	1	1	-	-	-	-	1	1
WA	2.2	1.6	1.6	1.6	1	1	-	1	1.3	1	1.2	1.4

OE (2) Syllabus for BBA Semester -II	
Course Code: 21OEBBA201	Course Title: People Management
Course Credit(L:T:P): 3 (3:0:0)	Teaching Hours/Week:3
Total Contact Hours:45	Formative Assessment Marks: 40
Duration of Exam: 2 ½ Hours	Semester End Examination Marks: 60

Course outcome: On successful completion of the course, student will:

CO1: Examine the difference between People Management with Human resourceManagement

CO2: Perform the role of manager in different stages of performance management andList modern methods of performance and task assessment.

CO3: Illustrate the importance of peer network and essentials of communication

CO 4 : Analyze and relate the concept of motivation.

CO5: Examine the importance of self management, stress management and work lifebalance

Course Articulation Matrix - 21OEBBA201

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	1	-	-	-	1	-	-	1	1	-	1
CO2	2		1	-	-	1	-	-	1	1	-	1
CO3	2		1	-	-	1	-	-	1	1	-	1
CO4	2	1	1	-	-	1	-	-	1	1	-	1
CO5	2		1	-	-	1	-	-	1	1	-	1
WA	2	1	1	-	-	1	-	-	1	1	-	1

Course Code: 21OEBBA202	Course Title: Retail Management
Course Credit (L:T:P): 3(3:0:0)	Teaching Hours/Week:3
Total Contact Hours:45	Formative Assessment Marks: 40
Duration of Exam: 2 ½ Hours	Semester End Examination Marks: 60

Course Outcomes: On successful completion Student will;

Co1: Acquire knowledge on the types and forms of Retail business.

CO2: Review Consumer Behavior in various environment.

CO3: Understand various Retail operations and evaluate them.

CO4: Analyze various marketing mix elements in retail operations.

CO5: Equip with the applications of Information Technology in retail business.

Course Articulation Matrix - 21OEBBA202

	PO1	PO2	P03	P04	P05	P06	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	1	1	--	1	--	1	2	1	2	2	2
CO2	1	2	1	--	1	--	1	1	1	2	2	1
CO3	1	3	2	--	1	--	2	1	1	2	2	2
CO4	1	3	2	--	1	--	2	1	1	2	1	1
CO5	1	3	2	--	1	--	1	1	1	2	1	1
WA	1.2	2.4	1.6	--	1	--	1.4	1.2	1	2	1.6	1.4

**DSC (7) Syllabus for BBA
Semester - III**

Course Code: 224329	Course Title: Cost Accounting
Course Credit (L:T:P): 4(4:0:0)	Teaching Hours/Week:4
Total Contact Hours:56	Formative Assessment Marks: 40
Duration of Exam: 2 ½ Hours	Semester End Examination Marks: 60

Course Outcomes: On successful completion of the course, the Students will;

CO1: Gather knowledge on the elements of cost and preparation of cost sheet.

CO2: Acquire knowledge on materials and analyze the material cost by various methods of pricing material issues.

CO3: Compare and contrast labour cost techniques.

CO4: Differentiate the kinds of overhead costing.

CO5: Analyze the reconciliation of cost and financial accounts

Course Articulation Matrix - 224329

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	2	1	-	-	-	-	1	2	1	1	1
CO2	3	2	2	1	1	1	1	1	1	1	1	1
CO3	2	2	2	-	-	1	1	1	1	1	1	1
CO4	2	2	2	-	-	-	1	1	1	1	1	1
CO5	1	1	1	-	-	-	1	1	1	1	1	1
WA	2.2	1.8	1.6	1	1	1	1	1	1.2	1	1	1

**DSC (8) Syllabus for BBA
Semester - III**

Course Code: 224330	Course Title: Organisational Behaviour
Course Credit (L:T:P): 4 (4:0:0)	Teaching Hours/Week:4
Total Contact Hours:56	Formative Assessment Marks: 40
Duration of Exam: 2 ½ Hours	Semester End Examination Marks: 60

Course Outcomes: On successful completion of the course, the Students will:

CO1: Acquire knowledge on role of OB in business organization.

CO2: Analyze group dynamics in an organization.

CO3: Evaluate the change management.

CO4: Structure the process of organizational development.

CO5: Implement the kinds of Interventions in OB.

Course Articulation Matrix - 224330

PO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	1	1	1	1	2	-	2	2	2	2	2
CO2	2	1	1	1	1	1	-	2	2	2	2	2
CO3	2	2	1	1	1	2	1	2	2	2	2	2
CO4	2	2	2	2	2	2	1	2	2	2	1	2
CO5	2	2	2	2	2	2	-	1	2	2	2	2
WA	2.2	1.6	1.4	1.4	1.4	1.8	1	1.8	2	2	1.8	2

**DSC (9) Syllabus for BBA Semester -
III**

Course Code: 224331	Course Title: Statistics for Business Decisions
Course Credit (L:T:P): 4(4:0:0)	Teaching Hours/Week:4
Total Contact Hours:56	Formative Assessment Marks: 40
Duration of Exam: 2 ½ Hours	Semester End Examination Marks: 60

Course Outcomes: On successful completion of the course, the Students will;

CO1: Understand the requirements of statistical framework

CO2: Construct and visualize the data.

CO3: Determine the data adequacy for analysis.

CO4: Review the data by using various tools.

CO5: Illustrate and analyze the impact of probability.

Course Articulation Matrix – 224331

PO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	1	2	1	-	-	-	-	1	2	1	1
CO2	2	2	2	2	2	-	-	-	1	-	-	1
CO3	2	2	2	2	1	1	-	-	-	-	1	1
CO4	2	2	2	1	1	-	-	-	1	-	1	1
CO5	-	-	-	-	-	-	-	-	-	-	-	-
WA	2	1.75	2	1.5	1.33	1	-	-	1	2	1	1

**OE (3) Syllabus for BBA
Semester - III**

Course Code: 22OEBBA301	Course Title: Social Media Marketing
Course Credit (L:T:P): 3 (3:0:0)	Teaching Hours/Week:3
Total Contact Hours:45	Formative Assessment Marks: 40
Duration of Exam: 2 ½ Hours	Semester End Examination Marks: 60

Course Outcomes: On successful completion of the course, the Students will:

CO1: Acquire knowledge of social media marketing goal setting for successful online campaigns.

CO2: Analyze the effective social media marketing strategies for various types of industries and businesses.

CO3: Design social media content and create strategies to optimize the content's reach to the target audience.

CO4: Appraise the reach and track progress in achieving social media objectives with a variety of measurement tools and metrics.

CO5: Design a suitable social media campaign for the business goals.

Course Articulation Matrix - 22OEBBA301

	PO1	PO2	PO3	PO4	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	1	3	1	1	3	--	--	1	1	2	3	2
CO2	2	2	2	1	2	3	1	1	1	1	2	2	2
CO3	1	1	1	1	1	3	1	1	2	1	2	2	2
CO4	2	1	2	2	2	3	1	1	2	1	2	2	2
CO5	2	2	2	2	2	3	1	1	2	1	2	2	2
WA	1.8	1.4	2	1.4	1.6	3	1	1	1.6	1	2	2.2	2

**OE (3) Syllabus for BBA
Semester - III**

Course Code: 22OEBBA302	Course Title: Rural Marketing
Course Credit (L:T:P): 3(3:0:0)	Teaching Hours/Week:3
Total Contact Hours:45	Formative Assessment Marks: 40
Duration of Exam: 2 ½ Hours	Semester End Examination Marks: 60

Course Outcomes: On successful completion of the course, the Students will

- CO1: Explore the importance and application of various concepts of rural marketing.
 CO2: Examine the appropriate selection of the segmentation, targeting and positioning strategies along with the environmental factors that influence rural consumers' buying behavior.
 CO3: Design a Pricing Strategy that suits the characteristics of rural products and the stage in the product life cycle.
 CO4: Identify the appropriate marketing communication and rural distribution channel plans to promote and deliver the products.
 CO5: Analyze the recent trends in Rural marketing and the application of digital technology in rural marketing.

Course Articulation Matrix – 22OEBBA302

	PO1	PO2	P-3	P-4	PO4	P-5	P-6	PO7	PO8	PO9	PO1-	PO11	PO12
CO1	-	1	1	-	-	-	1	1	-	-	-	-	1
CO2	1	-	-	1	-	-	1	1	-	-	-	-	-
CO3	1	-	1	-	-	-	-	1	-	-	-	1	-
CO4	-	-	-	-	-	-	1	1		1	1	-	-
CO5	1	1	-	-	1	1	-	-	-	-	-	-	-
WA	1	1	1	1	1	1	1	1	-	1	1	1	1

**DSC (10) Syllabus for BBA
Semester - IV**

Course Code: 224429	Course Title: Management Accounting
Course Credit (L:T:P): 4(4:0:0)	Teaching Hours/Week:4
Total Contact Hours:56	Formative Assessment Marks: 40
Duration of Exam: 2 ½ Hours	Semester End Examination Marks: 60

Course Outcomes: On successful completion of the course, the Students will:

CO1: Acquire the knowledge with respect to the concept of Management Accounting.

CO2: Analyze the ratios and apply the same on given case.

CO3: Construct Cash flow statement.

CO4: Apply Marginal costing techniques to make business decisions.

CO5: Utilize the standard costing technique for implementing control over cost.

Course Articulation Matrix - 224429

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	1	1	-	-	1	-	-	-	1	1	1
CO2	3	2	2	-	-	1	-	-	-	1	1	1
CO3	3	2	2	-	-	1	-	-	-	1	1	1
CO4	3	2	2	-	-	1	-	-	-	1	1	1
CO5	3	2	2	-	-	1	-	-	-	1	1	1
WA	3	1.8	1.8	-	-	1				1	1	1

**DSC (11) Syllabus for BBA
Semester - IV**

Course Code: 224430	Course Title: Business Analytics
Course Credit (L:T:P): 4(4:0:0)	Teaching Hours/Week:4
Total Contact Hours:56	Formative Assessment Marks: 40
Duration of Exam: 2 ½ Hours	Semester End Examination Marks: 60

Course Outcomes: On successful completion of the course, the Students will;

CO1: Illustrate the Data Types and storage of Data.

CO2: Classify and compare the various types of analytics and data models.

CO3: Demonstrate visualization of data.

CO4: Make use of the data mining and processing of data.

CO5: Interpret the concepts of different analytics model.

Course Articulation Matrix – 224430

	PO1	PO2	P-3	P-4	PO4	P-5	P-6	PO7	PO8	PO9	PO1-	PO11	PO12
CO1	2	-	2	-	2	-	-	-	-	-	-	-	1
CO2	2	1	2	2	-	1	-	-	-	-	-	2	1
CO3	2	2	2	2	2	2	-	-	-	-	1	1	-
CO4	2	2	2	2	2	2	-	-	-	-	-	-	-
CO5	2	2	2	2	1	1	-	-	-	-	-	-	-
WA	2	1.75	2	2	1.75	1.5	-	-	-	-	1	1.5	1

**DSC (11) Syllabus for BBA
Semester - IV**

Course Code: 224431	Course Title: Financial Markets & Services
Course Credit (L:T:P): 4(4:0:0)	Teaching Hours/Week:4
Total Contact Hours:56	Formative Assessment Marks: 40
Duration of Exam: 2 ½ Hours	Semester End Examination Marks: 60

Course Outcomes: On successful completion of the course, the Students will;

CO1: Acquire knowledge on the concepts of financial system.

CO2: Examine the current structure and functioning of financial institutions

CO3: Acquire knowledge on the concepts of financial services.

CO4: Analyze and interpret the trading process of Instruments.CO5: Critically evaluate the concept of stock market.

Course Articulation Matrix - 224431

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	1	1	1	1	-	-	1	2	2	2	2
CO2	2	2	2	2	2	2	-	1	1	1	1	1
CO3	3	2	2	1	1	1	-	-	1	1	1	1
CO4	3	3	2	2	3	2	-	1	2	2	2	2
CO5	3	3	2	3	3	2	-	1	2	2	2	2
WA	2.6	2.2	1.8	1.8	2	1.75	-	1	1.6	1.6	1.6	1.6

**DSC (12) Syllabus for BBA
Semester - IV**

Course Code: 224432	Course Title: Financial Management
Course Credit (L:T:P): 4(4:0:0)	Teaching Hours/Week:4
Total Contact Hours:56	Formative Assessment Marks: 40
Duration of Exam: 2 ½ Hours	Semester End Examination Marks: 60

Course Outcomes: On successful completion of the course, the Students will;

CO1: Evaluate the goals of financial management.

CO2: Appraise the concepts of time value of money.

CO3: Evaluate the different models of dividend policy.

CO4: Analyze the business problem related to investments.

CO5: Appraise the working capital requirements in an organization.

Course Articulation Matrix – 224432

PO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	1	1	2	1	1	1	2	2	2	1	2
CO2	3	2	2	2	2	1	1	1	1	1	3	2
CO3	3	3	3	2	3	1	-	2	2	2	3	2
CO4	3	3	3	2	2	1	-	2	2	2	3	2
CO5	3	2	2	2	2	1	-	2	2	2	2	2
WA	2.8	2.2	2.2	2	2	1	1	1.8	1.8	1.8	2.4	2

**OE (4) Syllabus for BBA
Semester - IV**

Course Code: 22OEBBA401	Course Title: Business Leadership Skills
Course Credit (L:T:P): 3(3:0:0)	Teaching Hours/Week:3
Total Contact Hours:45	Formative Assessment Marks: 40
Duration of Exam: 2 ½ Hours	Semester End Examination Marks: 60

Course Outcomes: On successful completion of the course, the Students will

CO1: Acquire knowledge about the significance of leadership skills for effective people management

CO2: Evaluate comprehension of leadership through various leadership theories

CO3: Analyze and interpret different leadership styles, types, patterns and functions

CO4: Implement various leadership approaches for effective management of people

CO5: Examine the recent trends in the area of business leadership

Course Articulation Matrix – 22OEBBA401

	PO1	PO2	P-3	P-4	PO4	P-5	P-6	PO7	PO8	PO9	PO1-	PO11	PO12
CO1	1	-	-	-	1	-	-	-	1	-	1	-	1
CO2	-	-	-	-	-	-	-	-	1	1	1	-	1
CO3	1	-	-	-	-	-	-	-	1	1	1	-	1
CO4	1	-	-	-	-	-	1	-	1	1	1	-	1
CO5	1	-	-	-	-	1	1	-	1	1	1	-	1
WA	1	-	-	-	1	1	1	-	1	1	1	-	1

**OE (4) Syllabus for BBA
Semester - IV**

Course Code: 22OEBBA402	Course Title: Personal Wealth Management
Course Credit (L:T:P): 3(3:0:0)	Teaching Hours/Week:3
Total Contact Hours:45	Formative Assessment Marks: 40
Duration of Exam: 2 ½ Hours	Semester End Examination Marks: 60

Course Outcomes: On successful completion of the course, the Students will;

CO1: Incorporate the importance of Wealth Management and Financial Planning in personal life

CO2: Identify the Real Estate Investment Routes and understand the tax planning that minimizes tax burden

CO3: Select and Apply the Asset Allocation strategies to balance between Risk and Return

CO4: Analyze the Retirement Planning Benefits and retirement strategies to provide regular income for life.

CO5: Evaluate the basic principles and importance of various insurance policies

Course Articulation Matrix – 22OEBBA402

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	1	1	-	-	-	-	-	-	1	-	1
CO2	2	1	1	-	-	-	-	-	-	-	-	1
CO3	2	1	1	-	-	-	-	-	-	-	-	1
CO4	2	1	1	-	-	-	-	-	-	-	-	1
CO5	2	1	1	-	-	-	-	-	-	-	-	1
WA	2	1	1	-	-	-	-	-	-	1	-	1

**DSC (15) Syllabus for BBA
Semester - V**

Course Code: 234529	Course Title: Production and Operations Management
Course Credit (L:T:P): 4(4:0:0)	Teaching Hours/Week:4
Total Contact Hours:60	Formative Assessment Marks: 40
Duration of Exam: 2 ½ Hours	Semester End Examination Marks: 60

Course Outcomes: On successful completion of the course, the students' will be able to

- a) Gain knowledge on the ever growing importance of Production and Operations Management in uncertain business environment.
- b) Illustrate the different aspects of Plant Location and Layout
- c) Analyze the process of Production Planning and Control.
- d) Comprehend the unique challenges faced by firms in Inventory Management
Develop skills to operate competitively in the current business scenario.

Course Articulation Matrix - 234529

PO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	1	2	2	2	1	2	1	1	1	1	1	2
CO2	2	1	2	1	1	2	2	1	1	1	1	2
CO3	1	2	2	1	2	1	1	2	1	2	1	2
CO4	2	1	2	2	1	1	1	1	2	1	2	2
CO5	1	2	2	1	2	1	2	1	1	2	1	2
WA	1.4	1.6	2	1.4	1.4	1.4	1.4	1.2	1.2	1.4	1.2	2

DSC (16) Syllabus for BBA Semester - V	
Course Code: 234530	Course Title: Income Tax – I
Course Credit (L:T:P): 4(4:0:0)	Teaching Hours/Week:4
Total Contact Hours:60	Formative Assessment Marks: 40
Duration of Exam: 2 ½ Hours	Semester End Examination Marks: 60

Course Outcomes: On successful completion of the course, the students will be able to:

- a) Gain knowledge on the computation of Total Income and tax liability of an individual.
- b) Evaluate the provisions for determining the residential status of an Individual.
- c) Comprehend the meaning of Salary, Perquisites, Profit in lieu of salary, allowances and various retirement benefits.
- d) Compute the income house property for different categories of house property.
Comprehend TDS & advances tax Ruling and identify the various deductions under section 80.

Course Articulation Matrix - 234530

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	P10	P11	P12
CO1	1	2	2	1	2	2	1	2	2	1	2	2
CO2	1	1	2	1	2	2	1	2	2	1	2	2
CO3	1	2	2	1	2	2	1	2	2	1	2	2
CO4	1	1	2	1	2	2	1	2	2	1	2	2
CO5	1	2	2	1	2	2	1	2	2	1	2	2
WA	1	1.6	2	1	2	2	1	2	2	1	2	2

**DSC (17) Syllabus for BBA
Semester - V**

Course Code: 234531	Course Title: Banking Law and Practice
Course Credit (L:T:P): 4(4:0:0)	Teaching Hours/Week:4
Total Contact Hours: 60	Formative Assessment Marks: 40
Duration of Exam: 2 ½ Hours	Semester End Examination Marks: 60

Course Outcomes: On successful completion of the course, the students will be able to:

- a) Understand the legal aspects of banker and customer relationship.
- b) Open the different types of accounts.
- c) Describe the various operations of banks.
- d) Understand the different types of crossing of cheques and endorsement.

Understanding of different types of E-payments.

Course Articulation Matrix - 234531

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2
CO 1	3	1	1	1	1	2	1	1	2	1	1	2
CO 2	2	1	1	1	1	1	1	1	2	1	1	2
CO 3	2	1	1	1	1	1	1	1	2	2	1	2
CO 4	1	1	1	1	1	1	1	1	2	2	1	1
CO 5	1	1	1	1	1	1	1	1	1	1	1	1
WA	1.8	1	1	1	1	1.2	1	1	1.8	1.4	1	1.6

DSE (1) Syllabus for BBA Semester – V FN-1	
Course Code: 234532	Course Title: Advanced Corporate Financial Management
Course Credit (L:T:P): 3(3:0:0)	Teaching Hours/Week:3
Total Contact Hours:45	Formative Assessment Marks: 40
Duration of Exam: 2 ½ Hours	Semester End Examination Marks: 60

Course Outcomes: On successful completion of the course, the students will be able to:

- a) Illustrate and determine the overall cost of capital and evaluate capital structure
- b) Comprehend the different advanced capital budgeting techniques.
- c) Analyze the importance of dividend decisions and dividend theories.
- d) Evaluate mergers and acquisition.

Acquire knowledge on ethical and governance issues in financial management

Course Articulation Matrix - 234532

PO CO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2
CO 1	3	2	2	1	2	1	1	1	2	1	2	2
CO 2	3	2	2	1	2	1	1	1	2	1	2	2
CO 3	3	2	2	1	2	1	1	1	2	1	2	2
CO 4	3	2	2	1	2	1	1	1	2	1	2	2
CO 5	3	1	1	1	2	2	2	2	2	2	2	2
WA	3	1.8	1.8	1	2	1.2	1.2	1.2	2	1.2	2	2

DSE (2) Syllabus for BBA Semester – V MK-1	
Course Code: 234533	Course Title: Consumer Behaviour
Course Credit (L:T:P): 3(3:0:0)	Teaching Hours/Week:3
Total Contact Hours:45	Formative Assessment Marks: 40
Duration of Exam: 2 ½ Hours	Semester End Examination Marks: 60

Course Outcomes: On successful completion of the course, the students will be able to:

- a) Understanding of Consumer Behaviour towards products, brands and services.
- b) Distinguish between different consumer behaviour influences and their relationships.
- c) Establish the relevance of consumer behaviour theories and concepts to marketing decisions.
- d) Implement appropriate combinations of theories and concepts.

Recognise social and ethical implications of marketing actions on consumer behaviour.

Course Articulation Matrix - 234533

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2
CO 1	3	2	2	2	2	2	1	2	2	2	2	2
CO 2	3	2	1	2	1	1	-	2	2	2	1	2
CO 3	2	1	1	1	1	1	1	2	2	2	1	2
CO 4	2	1	1	1	1	1	1	2	2	2	-	2
CO 5	2	1	1	2	2	1	1	2	2	2	1	2
WA	2.4	1.4	1.2	1.6	1.4	1.2	1	2	2	2	1	2

**DSE (1) Syllabus for BBA
Semester – V HRM-1**

Course Code: 234534	Course Title: Compensation And Performance Management
Course Credit (L:T:P): 3(3:0:0)	Teaching Hours/Week:3
Total Contact Hours:45	Formative Assessment Marks: 40
Duration of Exam: 2 ½ Hours	Semester End Examination Marks: 60

Course Outcomes: On successful completion of the course, the students will be able to:

- a) Understand the concepts of Compensation management.
- b) Describe job evaluation and its methods.
- c) Evaluate the different methods of wages.
- d) Describe performance management and methods of performance management.

Acquire the knowledge on the Preparation of Payroll.

Course Articulation Matrix – 234534

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2
CO 1	2	2	2	1	2	2	1	2	2	2	3	2
CO 2	2	2	2	2	2	2	1	2	2	2	2	2
CO 3	2	2	2	2	2	1	1	1	2	1	2	2
CO 4	2	1	2	2	2	2	2	2	2	2	2	2
CO 5	2	2	1	1	1	1	1	1	1	1	1	1
W A	2	1.8	1.8	1.6	1.8	1.6	1.2	1.6	1.8	1.6	2	1.8

DSE (2) Syllabus for BBA Semester – V RM-1	
Course Code: 234535	Course Title: Fundamentals of Retail Management
Course Credit (L:T:P): 3(3:0:0)	Teaching Hours/Week:3
Total Contact Hours:45	Formative Assessment Marks: 40
Duration of Exam: 2 ½ Hours	Semester End Examination Marks: 60

Course Outcomes: On successful completion student will demonstrate:

- a) Acquire knowledge about Retail Business.
- b) Evaluate the business operations in Retailing.
- c) Formulate the retail strategies of Retail Business.
- d) Apply the Retailing principles and theories.

Explore the career opportunities in the Retail sector.

**Course Articulation Matrix -
234535**

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	1	1	2	1	2	1	2	1	2	2	2
CO2	2	2	1	1	2	2	1	1	1	2	2	2
CO3	2	3	2	1	1	2	2	1	1	2	2	2
CO4	2	3	2	1	1	2	2	1	2	2	1	2
CO5	2	3	2	1	1	2	1	1	1	2	1	2
WA	2	2.4	1.6	1.2	1.2	2	1.4	1.2	1.2	2	1.6	2

**VOCATIONAL-1 Syllabus for BBA
Semester - V**

Course Code: 234536	Course Title: Information Technology For Business
Course Credit (L:T:P): 3(3:0:0)	Teaching Hours/Week:3
Total Contact Hours:45	Formative Assessment Marks: 40
Duration of Exam: 2 ½ Hours	Semester End Examination Marks: 60

Course Outcomes: On successful completion Student will demonstrate;

- a) Acquire the knowledge about the fundamentals of information technology
- b) Apply the usage of information technology in business.
- c) Learn core concepts of computing and modern systems
- d) Applications of Excel and SQL.Awareness about latest information.

Course Articulation Matrix -234536

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	P10	P11	P12
CO1	1	2	2	1	2	1	1	1	1	1	1	2
CO2	1	2	2	2	2	1	1	1	1	1	2	2
CO3	1	2	2	2	2	1	1	1	1	1	2	2
CO4	1	2	3	2	2	1	1	1	1	1	1	1
CO5	1	1	2	2	2	1	1	1	1	1	1	2
WA	1	1.8	2.2	1.8	2	1	1	1	1	1	1.4	1.8

**VOCATIONAL-1 Syllabus for BBA
Semester - V**

Course Code: 234537	Course Title: Digital Marketing
Course Credit (L:T:P): 3(3:0:0)	Teaching Hours/Week:3
Total Contact Hours:45	Formative Assessment Marks: 40
Duration of Exam: 2 ½ Hours	Semester End Examination Marks: 60

Course Outcomes: On successful completion of the course, the students will be able to

- a) Acquire knowledge on Digital Marketing and strategies.
- b) Comprehend the concepts of Email marketing and Content marketing.
- c) Awareness about Social Media Marketing and Web Analytics.

Learn YouTube Advertising & Conversions.

Course Articulation Matrix - 234537

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	1	2	2	3	1	1	1	2	2	2	2
CO2	2	1	2	2	2	1	2	1	1	1	1	1
CO3	1	1	1	1	2	2	1	2	2	2	1	2
CO4	1	1	1	2	1	1	1	1	1	2	2	2
WA	1.5	1	1.5	1.75	2	1.25	1.25	1	1.5	1.75	1.5	1.75

**SEC- Syllabus for BBA
Semester - V**

CourseCode: 23EMPBBA01	Course Title: Employability Skills
Course Credit (L:T:P): 3(2:0:1)	Teaching Hours/Week:3
Total Contact Hours: 45	Formative Assessment Marks:40
Duration of Exam: 2 1/2 Hours	Semester End Examination Marks: 60

Course Outcomes: On successful completion of the course, the students' will be able to

- a) Acquire information on various vacancies notified by Central and State Government authorities as well as Private organizations.
- b) Evaluate the problems on quantitative aptitude, logical reasoning and analytical ability.
- c) Application of basic computer skills like MS word, MS excel, MS PPTs. Email etiquettes Etc.,
- d) Articulate communication and leadership skills.
- e) Evaluate self SWOC analysis and set his career goals.

Course Articulation Matrix – 23EMPBBA01

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	1	1	1	1	2	1	1	2	2	1	1
CO2	1	2	2	2	2	1	1	1	1	1	2	1
CO3	2	1	2	2	3	2	1	1	2	1	1	2
CO4	2	2	1	1	1	2	2	2	2	3	1	2
CO5	2	2	2	2	2	2	1	2	2	2	1	3
WA	1.8	1.6	1.6	1.6	1.8	1.8	1.2	1.4	1.8	1.8	1.2	1.8

**DSC (18) Syllabus for BBA
Semester - VI**

Course Code: 234629	Course Title: Business Law
Course Credit (L:T:P): 4(4:0:0)	Teaching Hours/Week:4
Total Contact Hours:60	Formative Assessment Marks: 40
Duration of Exam: 2 ½ Hours	Semester End Examination Marks: 60

Course Outcomes: On successful completion of the course, the students will be able to

- a. Comprehend the laws relating to Contracts and its application in business activities.
- b. Learn the rules for Sale of Goods and rights and duties of a buyer and a Seller.
- c. Acquire knowledge about the importance of Negotiable Instrument Act and its provisions relating to Cheque and other Negotiable Instruments.
- d. Infer the significance of Consumer Protection Act and its features
- e. . Understand the need for Environment Protection.

Course Articulation Matrix - 234629

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	2	2	2	1	2	2	1	1	2	1	2
CO2	2	2	1	2	1	2	1	2	2	2	2	2
CO3	2	2	2	2	2	2	2	1	2	2	2	2
CO4	2	2	2	2	2	2	3	2	2	1	1	2
CO5	2	1	2	2	2	2	2	2	2	2	1	2
WA	2	1.8	1.8	2	1.6	2	2	1.6	1.8	1.8	1.4	2

**DSC (19) Syllabus for BBA
Semester - VI**

Course Code: 234630	Course Title: Income Tax – II
Course Credit (L:T:P): 4(4:0:0)	Teaching Hours/Week:4
Total Contact Hours:60	Formative Assessment Marks: 40
Duration of Exam: 2 ½ Hours	Semester End Examination Marks: 60

Course Outcomes: On successful completion of the course, the students will:

- a) Gain knowledge about the procedure for computation of income from business and other Profession.
- b) Evaluate the provisions for determining the capital gains.
- c) Compute the income from other sources.
- d) Demonstrate the computation of total income of an Individual.
- e) Comprehend the assessment procedure and to know the power of income tax authorities

Course Articulation Matrix - 234630

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	P10	P11	P12
CO1	3	2	2	1	2	2	1	1	2	2	2	2
CO2	3	1	2	1	2	2	1	1	2	2	2	2
CO3	3	1	2	1	2	2	1	1	2	2	2	2
CO4	3	1	2	1	2	2	1	1	2	2	2	2
CO5	3	1	1	1	2	2	1	1	2	2	2	2
WA	3	1.2	1.8	1	2	2	1	1	2	2	2	2

**DSC (20) Syllabus for BBA
Semester - VI**

Course Code: 234631	Course Title: International Business
Course Credit (L:T:P): 4(4:0:0)	Teaching Hours/Week:4
Total Contact Hours:60	Formative Assessment Marks: 40
Duration of Exam: 2 ½ Hours	Semester End Examination Marks: 60

Course Outcomes: On successful completion of the course, the students will able to:

- a) Acquire knowledge about the concepts of International Business.
- b) Compare the Internal and External International Business Environment.
- c) Evaluate the difference MNC and TNC
- d) Understand the role of International Organisations in International Business.
- e) Learn International Operations Management.

Course Articulation Matrix - 234631

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	2	2	2	2	1	2	1	1	1	2	2
CO2	2	1	2	2	1	1	2	1	1	2	1	2
CO3	2	1	1	1	1	2	1	2	2	1	2	2
CO4	2	2	2	2	2	1	2	2	2	2	2	2
CO5	2	2	2	1	2	2	2	1	2	2	2	2
WA	2	1.6	1.8	1.6	1.6	1.4	1.6	1.4	1.6	1.6	1.8	2

DSE (2) Syllabus for BBA Semester – VI FN-2	
Course Code: 234632	Course Title: Security Analysis and Portfolio Management
Course Credit (L:T:P): 3(3:0:0)	Teaching Hours/Week:3
Total Contact Hours:45	Formative Assessment Marks: 40
Duration of Exam: 2 ½ Hours	Semester End Examination Marks: 60

Course Outcomes: On successful completion of the course, the students will be able to:

- a) Gain knowledge on the basic concepts of Investment.
- b) Illustrate the relationship between risk and return and evaluate the different investment alternatives.
- c) Analyze and evaluate the fundamental investment analysis.
- d) Comprehend the basics of Technical analysis.
- e) Evaluate portfolio and portfolio management

Course Articulation Matrix - 234634

PO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	1	1	1	1	2	2	2	2	2	2	2
CO2	2	2	2	1	2	1	1	1	1	1	2	2
CO3	2	2	2	2	2	2	2	2	2	2	2	2
CO4	2	1	1	1	1	2	2	2	2	2	2	2
CO5	2	2	2	1	2	1	1	1	1	1	2	2
WA	2	1.6	1.6	1.2	1.6	1.2	1.6	1.6	1.6	1.6	2	2

**DSE (2) Syllabus for BBA
Semester – VI MK-2**

Course Code: 234633	Course Title: Advertising and Media Management
Course Credit (L:T:P): 3(3:0:0)	Teaching Hours/Week:3
Total Contact Hours:45	Formative Assessment Marks: 40
Duration of Exam: 2 ½ Hours	Semester End Examination Marks: 60

Course Outcomes: On successful completion of the course, the students will be able to:

- a) Gain knowledge on the nature, role, and importance of IMC in marketing strategy
- b) Evaluate the effective design and implementation of advertising strategies
- c) Present a general understanding of content, structure, and appeal of advertisements
- d) Analyze ethical challenges related to responsible management of advertising and brand strategy.
- e) Evaluate the effectiveness of advertising and agencies role

Course Articulation Matrix - 234633

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	1	1	1	1	2	1	2	2	2	1	2
CO2	3	1	1	1	1	1	1	2	2	2	2	2
CO3	2	1	1	1	1	1	1	2	2	2	2	2
CO4	2	1	1	1	1	1	1	2	2	2	2	2
CO5	2	2	2	2	2	1	1	2	2	1	1	2
WA	2.4	1.2	1.2	1.2	1.2	1.2	1	2	2	1.8	1.6	2

**DSE (2) Syllabus for BBA
Semester – VI HRM-2**

Course Code: 234634	Course Title: Human Resources Development
Course Credit (L:T:P):3(3:0:0)	Teaching Hours/Week:3
Total Contact Hours:45	Formative Assessment Marks: 40
Duration of Exam: 2 ½ Hours	Semester End Examination Marks: 60

Course Outcomes: On successful completion of the course, the students will be able to:

- a) Acquire knowledge about HRD.
- b) Comprehend the framework of HRD.
- c) Assess the models for evaluating the HRD programs.
- d) Evaluate the need for employee counseling.
- e) Apprehend the HR performance.

Course Articulation Matrix – 234634

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	2	2	2	1	2	2	2	2	2	1	2
CO2	2	1	1	1	2	1	1	2	2	1	1	2
CO3	2	1	1	2	2	2	1	2	2	2	1	1
CO4	1	2	1	1	1	1	1	1	2	2	1	1
CO5	2	1	2	2	2	1	1	2	2	2	2	2
WA	1.8	1.4	1.4	1.6	1.6	1.4	1.2	1.8	2	1.8	1.2	1.6

**DSE (2) Syllabus for BBA
Semester – V RM-2**

Course Code: 234635	Course Title: Retail Operations Management
Course Credit (L:T:P): 3(3:0:0)	Teaching Hours/Week:3
Total Contact Hours:45	Formative Assessment Marks: 40
Duration of Exam: 2 ½ Hours	Semester End Examination Marks: 60

Course Outcomes: On successful completion student will demonstrate:

- a) Compare various retail formats and technological advancements for setting up appropriate retail business.
- b) Identify the competitive strategies for retail business decisions.
- c) Examine the site location and operational efficiency for marketing decisions.
- d) Analyse the effectiveness of merchandising and pricing strategies.
- e) Assess store layout and planogram for retail business.

Course Articulation Matrix - 234635

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	2	1	2	2	1	1	2	2	2	1	1
CO2	2	2	1	1	2	1	2	1	2	2	2	2
CO3	2	1	2	1	2	2	1	1	1	2	2	1
CO4	2	1	1	1	2	2	2	1	1	2	1	2
CO5	2	1	1	1	2	1	1	1	1	2	1	2
WA	2	1.4	1.2	1.2	2	1.4	1.4	1.2	1.4	2	1.4	1.6

**Vocational -2 Syllabus for BBA
Semester - VI**

Course Code: 234636	Course Title- Goods And Services Tax
Course Credit (L:T:P): 3(3:0:0)	Teaching Hours/Week: 3
Total Contact Hours: 45	Formative Assessment Marks: 40
Duration of Exam: 2 ½ Hours	Semester End Examination Marks: 60

Course Outcomes: On successful completion Student will demonstrate

- a) Gain knowledge on the basics of taxation, including the meaning and types of taxes, and the differences between direct and indirect taxation.
- b) Analyze the history of indirect taxation in India and the structure of the Indian taxation system.
- c) Illustrate the framework and definitions of GST, including the constitutional framework, CGST, SGST, IGST, and exemptions from GST.
- d) Evaluate the time, place, and value of supply under GST, and apply this knowledge to calculate the value of supply and determine GST liability. Comprehend input tax credit under GST, including its meaning and process for availing it, and apply this knowledge to calculate net GST liability.

Course Articulation Matrix - 234636

GST	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	P10	P11	P12
CO1	2	2	2	2	1	2	1	2	1	1	2	2
CO2	1	1	1	1	2	1	2	1	1	1	2	2
CO3	2	1	2	2	1	2	1	2	1	1	2	2
CO4	2	1	1	1	2	1	2	1	1	1	2	2
CO5	1	1	2	2	1	2	2	2	1	1	2	2
WA	1.6	1.2	1.6	1.6	1.4	1.6	1.6	1.6	1	1	2	2

**Vocational - 2 Syllabus for BBA
Semester - VI**

Course Code: 234637	Course Title Enterprise Resource Planning
Course Credit (L:T:P): 3(3:0:0)	Teaching Hours/Week:3
Total Contact Hours:45	Formative Assessment Marks: 40
Duration of Exam: 2 ½ Hours	Semester End Examination Marks: 60

Course Outcomes: On successful completion of the course, the students' will be able to

- a) Evaluate the business process of an enterprise to grasp the activities of ERP project management cycle to understand the emerging trends in ERP developments.
- b) Integrate and automate the business processes and shares information enterprise-wide.
- c) Explore the significance of ERP to provide a solution for better project management.
- d) Enable the students to understand the various process involved in implementing ERP in a variety of business environment
- e) Evaluate the issues involved in design and implementation of ERP systems.

Course Articulation Matrix - 234637

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	2	1	2	2	2	1	2	1	2	2	2
CO2	1	1	2	1	1	1	1	1	2	2	2	2
CO3	2	1	1	2	2	1	1	1	1	2	2	2
CO4	2	2	2	2	1	1	2	1	2	2	2	2
CO5	1	1	2	1	2	1	1	1	1	2	2	2
WA	1.6	1.2	1.6	1.6	1.6	1.2	1.2	1.2	1.4	2	2	2

Program Outcome (PO) Attributes for all AECC

- PO1 Domain Knowledge
- PO2 Problem Analysis
- PO3 Design/Development of Solutions
- PO4 Investigation and Research
- PO5 Use of Modern Techniques/Tools
- PO6 Impact on Society
- PO7 Environment and Sustainability
- PO8 Moral and Ethical Values
- PO9 Individual and Team Work
- PO10 Communication
- PO11 Project Management and Finance
- PO12 Lifelong Learning

DEPARTMENT OF ENGLISH

Annexure: English Language Syllabus Syllabus For Ability Enhancement Compulsory Course (AECC) ENGLISH LANGUAGE (L2)

For Undergraduate Programs offered in
Faculty of Arts and Faculty of Science (BA, BSc., BCA)
Title of the Paper – Poetry, Prose and Language Component-1

Semester I Course Code: BA / BSc. / BCA 21ENG119	Course Title: Poetry, Prose and Language Component-1
Course Credits: 03 (2:1:0)	Hours of Teaching/Week: 04
Total Contact Hours: 56 Hours	Formative Assessment Marks: 40
Exam Duration: 2½ Hours	Semester End Examination Marks: 60

Course Outcomes

CO1: Obtain knowledge of literary genres and devices

CO2: Familiarity with representative literary texts with attention to historical, geographical, cultural contexts. Inquire into the socio-political background and determine its impact on the society.

CO3: Develop the skill to interpret, analyze, criticize and to express creatively for a variety of purposes and audience.

CO4: Gain an insight into the aesthetic values of literature and relate the didactic purpose of literature to lead a successful life.

CO5: Heightened awareness of correct usage of English grammar in written and oral Communication.

Course Articulation Matrix - BA / BSc. / BCA 21ENG119

COs / POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO 1	3	-	1	-	-	2	1	3	-	3	1	3
CO 2	3	3	2	3	1	3	3	3	1	3	1	3
CO 3	2	3	1	1	3	3	2	2	1	3	1	3
CO 4	2	2	2	-	-	3	2	3	1	3	-	3
CO 5	3	3	2	-	3	2	-	-	1	3	-	3
WA	2.6	2.7	1.6	2	2.3	2.6	2	2.7	1	3	1	3

Annexure: English Language Syllabus
Syllabus For Ability Enhancement Compulsory Course (AECC)
ENGLISH LANGUAGE (L2)

For Undergraduate Programs offered in

Faculty of Commerce and Management

(B.Com., BBA)(BBA (H & H) (BBA Aviation & International Tourism)

Title of the Paper – Poetry, Prose and Language Component-1

Semester I Course Code: B.Com. / BBA (All) 21ENG120	Course Title: Poetry, Prose and Language Component-1
Course Credits: 03 (2:1:0)	Hours of Teaching/Week: 04
Total Contact Hours: 56 Hours	Formative Assessment Marks: 40
Exam Duration: 2½ Hours	Semester End Examination Marks: 60

Course Outcomes

CO1: Obtain knowledge of literary genres and devices

CO2: Familiarity with representative literary texts with attention to historical, geographical, cultural contexts. Inquire into the socio-political background and determine its impact on the society.

CO3: Develop the skill to interpret, analyze, criticize and to express creatively for a variety of purposes and audience.

CO4: Gain an insight into the aesthetic values of literature and relate the didactic purpose of literature to lead a successful life.

CO5: Heightened awareness of correct usage of English grammar in written and oral Communication.

Course Articulation Matrix B.Com. / BBA (All) 21ENG120

COs / POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO 1	3	-	1	-	-	2	1	3	-	3	1	3
CO 2	3	3	2	3	1	3	3	3	1	3	1	3
CO 3	2	3	1	1	3	3	2	2	1	3	1	3
CO 4	2	2	2	-	-	3	2	3	1	3	-	3
CO 5	3	3	2	-	3	2	-	-	1	3	-	3
WA	2.6	2.7	1.6	2	2.3	2.6	2	2.7	1	3	1	3

Annexure: English Open Elective Syllabus - I
For all Undergraduate Programs

Title of the Paper-Functional English Grammar and Study Skills

Semester I Course Code: 21OEENG101	Course Title: Functional English Grammar and Study Skills
Course Credits: 03 (3:0:0)	Hours of Teaching/Week: 03
Total Contact Hours: 42 Hours	Formative Assessment Marks: 40
Exam Duration: 2½ Hours	Semester End Examination Marks: 60

Course Outcomes

CO1: Knowledge of elements of grammar for better written and oral communication.

CO2: Enhanced ability in rudiments of written process for functional uses of English for various purposes- personal, academic and business.

CO3: Equipped with the mechanics of effective reading skills.

Course Articulation Matrix - 21OEENG101

COs / POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO 1	3	-	-	-	1	2	1	1	2	2	1	3
CO 2	3	1	1	3	1	2	1	1	3	3	1	3
CO 3	3	1	-	3	1	2	1	1	3	3	1	3
WA	3	1	1	3	1	2	1	3	2.6	2.6	1	3

Annexure: English Language Syllabus
Syllabus For Ability Enhancement Compulsory Course (AECC)
ENGLISH LANGUAGE (L2)

For Undergraduate Programs offered in

Faculty of Arts and Science (BA, BSc, BCA)

Title of the Paper – Poetry, Prose and Language Component-II

Semester II Course Code: BA / BSc. / BCA 21ENG219	Course Title: Poetry, Prose and Language Component-II
Course Credits: 03 (2:1:0)	Hours of Teaching/Week: 04
Total Contact Hours: 56 Hours	Formative Assessment Marks: 40
Exam Duration: 2½ Hours	Semester End Examination Marks: 60

Course Outcomes

CO1: Obtain knowledge of literary genres and devices

CO2: Familiarity with representative literary texts with attention to historical, geographical, cultural contexts. Inquire into the socio-political background and determine its impact on the society.

CO3: Develop the skill to interpret, analyze, criticize and to express creatively for a variety of purposes and audience.

CO4: Gain an insight into the aesthetic values of literature and relate the didactic purpose of literature to lead a successful life.

CO5: Heightened awareness of correct usage of English grammar in written and oral Communication.

Course Articulation Matrix - BA / BSc. / BCA 21ENG219

COs / POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO 1	3	-	1	-	-	2	1	3	-	3	1	3
CO 2	3	3	2	3	1	3	3	3	1	3	1	3
CO 3	2	3	1	1	3	3	2	2	1	3	1	3
CO 4	2	2	2	-	-	3	2	3	1	3	-	3
CO 5	3	3	2	-	3	2	-	-	1	3	-	3
WA	2.6	2.7	1.6	2	2.3	2.6	2	2.7	1	3	1	3

Annexure: English Language Syllabus
Syllabus For Ability Enhancement Compulsory Course (AECC)
ENGLISH LANGUAGE (L2)

For Undergraduate Programs offered in

Faculty of Commerce and Management

B.Com, BBA, BBA (H & H), BBA (Aviation and International Tourism)

Title of the Paper – Poetry, Prose and Language Component-II

Semester II Course Code: B.Com. / BBA (All) 21ENG220	Course Title: Poetry, Prose and Language Component-II
Course Credits: 03 (2:1:0)	Hours of Teaching/Week: 04
Total Contact Hours: 56 Hours	Formative Assessment Marks: 40
Exam Duration: 2½ Hours	Semester End Examination Marks: 60

Course Outcomes

CO1: Obtain knowledge of literary genres and devices

CO2: Familiarity with representative literary texts with attention to historical, geographical, cultural contexts. Inquire into the socio-political background and determine its impact on the society.

CO3: Develop the skill to interpret, analyze, criticize and to express creatively for a variety of purposes and audience.

CO4: Gain an insight into the aesthetic values of literature and relate the didactic purpose of literature to lead a successful life.

CO5: Heightened awareness of correct usage of English grammar in written and oral Communication.

Course Articulation Matrix

B.Com. / BBA (All) 21ENG220

COs/ POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO 1	3	-	1	-	-	2	1	3	-	3	1	3
CO 2	3	3	2	3	1	3	3	3	1	3	1	3
CO 3	2	3	1	1	3	3	2	2	1	3	1	3
CO 4	2	2	2	-	-	3	2	3	1	3	-	3
CO 5	3	3	2	-	3	2	-	-	1	3	-	3
WA	2.6	2.7	1.6	2	2.3	2.6	2	2.7	1	3	1	3

Annexure: English Open Elective Syllabus - II

For all Undergraduate Programs

Title of the Paper-Spoken English for Corporate Jobs

Semester II Course Code: 21OEENG201	Course Title: Spoken English for Corporate Jobs
Course Credits: 03 (3:0:0)	Hours of Teaching/Week: 03
Total Contact Hours: 42 Hours	Formative Assessment Marks: 40
Exam Duration: 2½ Hours	Semester End Examination Marks: 60

Course Outcomes

CO1: Skills for Enhanced Job opportunities

CO2: Enriched vocabulary and Knowledge of Business English

CO3: Effective communication for various social situations

CO4: Ability to thrive in a multi-cultural society

Course Articulation Matrix

21OEENG201

COs /POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO 1	3	2	1	1	3	1	1	1	2	3	1	3
CO 2	3	2	1	1	2	3	1	2	2	3	1	3
CO 3	3	1	1	2	1	2	1	2	2	3	1	3
WA	3	1.5	1	1.5	1.75	2.25	1	2	2	3	1	3

Annexure: English Optional Syllabus

OPTIONAL ENGLISH

For Undergraduate Programs offered in
Syllabus for I Semester B A in English (Basic / Hons.)

Semester I Course Code: 211179	Course Title: DSC(1) Introduction to Literature
Course Credits: 03 (3:0:0)	Hours of Teaching/Week: 03
Total Contact Hours: 42 Hours	Formative Assessment Marks: 40
Exam Duration: 2½ Hours	Semester End Examination Marks: 60

Course Outcome

CO1 Knowledge literary terms and literary devices.

CO2 Recognise structural elements of poetry, fiction and drama to analyze literary texts.

CO3 Identify techniques and creative uses of language in literary writings.

Course Articulation Matrix - 211179

COs / POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	1	-	-	1	1	-	1	2	3	-	3
CO2	3	1	1	-	1	1	-	1	1	3	-	3
CO3	2	1	-	1	1	1	-1	3	1	3	2	3
WA	2.6	1	1	1	1	1	1	1.6	1.3	3	2	3

Semester I Course Code: 211180	Course Title: DSC(2) Indian Writing in English Part-I
Course Credits: 03 (3:0:0)	Hours of Teaching/Week: 03
Total Contact Hours: 42 Hours	Formative Assessment Marks: 40
Exam Duration: 2½ Hours	Semester End Examination Marks: 60

Course Outcome

CO1: Associate the historical trajectories of various genres of Indian Writing in English.

CO2: Implement the concepts of learning about Indian writers, their ethos and tradition of writing and discourse.

CO3 Appreciate the Indian Writing in English from various historical and socialperspective.

Course Articulation Matrix – 211180

COs / POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	2	1	1	1	3	1	3	1	3	1	3
CO2	3	3	1	3	1	3	1	3	1	3	2	3
CO3	3	2	2	2	1	3	1	3	1	3	1	3
WA	3	2.3	1.3	2	1	3	1	3	1	3	1.3	3

Annexure: English Optional Syllabus

OPTIONAL ENGLISH (L2)

For Undergraduate Programmes offered in
Syllabus for II Semester BA in English (Basic / Hons.)

Semester II Course Code: 211279	Course Title: DSC(3) Introduction to Phonetics and Linguistics
Course Credits: 03 (3:0:0)	Hours of Teaching/Week: 03
Total Contact Hours: 42 Hours	Formative Assessment Marks: 40
Exam Duration: 2½ Hours	Semester End Examination Marks: 60

Course Outcomes (COs)

CO1 Identify and acquire the basic concepts of language, linguistics and phonetics

CO2 Comprehend the use of various structures and parts of a language while communicating.

CO3: Develop fluency to speak and write with clarity and creativity through the acquired linguistic skills.

Course Articulation Matrix - 211279

COs / POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	1	1	1	-	1	1	1	1	3	-	3
CO2	3	1	1	2	1	2	1	1	2	3	1	3
CO3	3	1	1	2	3	3	1	1	3	3	1	3
WA	3	1	1	1.6	2	2	1	1	2	3	1	3

Semester I Course Code: 211180	Course Title: DSC(2) Indian Writing in English Part-I
Course Credits: 03 (3:0:0)	Hours of Teaching/Week: 03
Total Contact Hours: 42 Hours	Formative Assessment Marks: 40
Exam Duration: 2½ Hours	Semester End Examination Marks: 60

Course Outcome

CO1 Associate the historical trajectories of various genres of Indian Writing in English.

CO2 Implement the concepts of learning about Indian writers, their ethos and tradition of writing and discourse.

CO3 Appreciate the Indian Writing in English from various historical and socialperspective

Course Articulation Matrix – 211280

COs / POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	-	-	1	1	1	-	2	1	3	-	3
CO2	3	1	-	-	1	1	1	2	1	3	1	3
CO3	3	1	2	2	1	3	1	3	1	3	1	3
WA	3	1	2	1	1	1.6	1	2.3	1	3	1	3

Annexure: English Language Syllabus
Syllabus For Ability Enhancement Compulsory Course (AECC)
ENGLISH LANGUAGE (L2)

For Undergraduate Programs offered in

Faculty of Arts and Science (BA, BSc, BCA)

Title of the Paper – Generic English, L2 - Drama and Language Component

Semester III Course Code: BA / BSc / BCA - 22ENG319	Course Title: AECC, Generic English L2 Drama and Language Component
Course Credits: 03 (2:1:0)	Hours of Teaching/Week: 04
Total Contact Hours: 56 Hours	Formative Assessment Marks: 40
Exam Duration: 2½ Hours	Semester End Examination Marks: 60

Course Outcomes

CO1: Ability to critically analyse, interpret and appreciate literary texts and gain an awareness of social, cultural, religious and ethnic diversities for an inclusive outlook to function effectively in a multi-cultural society.

CO2: Augmented presentation and analytical skills.

CO3: Prepare students for the technologically advanced world, its challenges and opportunities.

CO4: Acquire and apply language skills for competitive exams and employability skills for emerging sectors such as content writers, interpreters, translators and transcribers.

CO5: Enhanced competency for LSRW (Listening, Speaking, Reading, Writing skills)

Course Articulation Matrix - BA / BSc / BCA - 22ENG319

COs / POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	3	2	1	2	3	1	3	2	3	1	3
CO2	3	2	1	1	1	1	1	3	2	3	1	3
CO3	1	1	2	-	3	3	1	2	2	3	1	3
CO4	3	3	2	1	2	3	-	1	3	3	1	3
CO5	3	3	1	1	1	2	1	1	1	3	-	3
WA	2.6	2.4	1.6	1	1.8	2.4	1	2	2	3	1	3

Annexure: English Language Syllabus
Syllabus For Ability Enhancement Compulsory Course (AECC)
ENGLISH LANGUAGE (L2)

For Undergraduate Programs offered in

Faculty of Commerce and Management

B.Com, BBA, BBA (H &H), BBA (Aviation & International Tourism)

Title of the Paper – Generic English – 2 Drama and Language Component

Semester III Course Code: BCom / BBA (All) – 22ENG320	Course Title: AECC, Generic English - 2 Drama and Language Component
Course Credits: 03 (2:1:0)	Hours of Teaching/Week: 04
Total Contact Hours: 56 Hours	Formative Assessment Marks: 40
Exam Duration: 2½ Hours	Semester End Examination Marks: 60

Course Outcomes

CO1: Ability to critically analyse, interpret and appreciate literary texts and gain an awareness of social, cultural, religious and ethnic diversities for an inclusive outlook to function effectively in a multi-cultural society.

CO2: Augmented presentation and analytical skills.

CO3: Prepare students for the technologically advanced world, its challenges and opportunities.

CO4: Acquire and apply language skills for competitive exams and employability skills for emerging sectors such as content writers, interpreters, translators and transcribers.

CO5: Enhanced competency for LSRW (Listening, Speaking, Reading, Writing skills)

Course Articulation Matrix
BCom / BBA (All) – 22ENG320

COs/ POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	3	2	1	2	3	1	3	2	3	1	3
CO2	3	2	1	1	1	1	1	3	2	3	1	3
CO3	1	1	2	-	3	3	1	2	2	3	1	3
CO4	3	3	2	1	2	3	-	1	3	3	1	3
CO5	3	3	1	1	1	2	1	1	1	3	-	3
WA	2.6	2.4	1.6	1	1.8	2.4	1	2	2	3	1	3

Annexure: English Language Syllabus
Syllabus For Ability Enhancement Compulsory Course (AECC)
ENGLISH LANGUAGE (L2)

For Undergraduate Programs offered in

Faculty of Arts and Science (BA BSC BCA)

Title of the Paper – Generic English – 2 Fiction & Language Component

Semester IV Course Code: BA / BSc./ BCA – 22ENG419	Course Title: AECC, Generic English - 2 Fiction & Language Component
Course Credits: 03 (2:1:0)	Hours of Teaching/Week: 04
Total Contact Hours: 56 Hours	Formative Assessment Marks: 40
Exam Duration: 2½ Hours	Semester End Examination Marks: 60

Course Outcomes

CO1: Ability to critically analyse, interpret and appreciate literary texts and gain an awareness of social, cultural, religious and ethnic diversities for an inclusive outlook to function effectively in a multi-cultural society.

CO2: Augmented presentation and analytical skills.

CO3: Prepare students for the technologically advanced world, its challenges and opportunities.

CO4: Acquire and apply language skills for competitive exams and employability skills for emerging sectors such as content writers, interpreters, translators and transcribers.

CO5: Enhanced competency for LSRW (Listening, Speaking, Reading, Writing skills)

Course Articulation Matrix – BA / BSc./ BCA – 22ENG419

COs / POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	3	2	1	2	3	1	3	2	3	1	3
CO2	3	2	1	1	1	1	1	3	2	3	1	3
CO3	1	1	2	-	3	3	1	2	2	3	1	3
CO4	3	3	2	1	2	3	-	1	3	3	1	3
CO5	3	3	1	1	1	2	1	1	1	3	-	3
WA	2.6	2.4	1.6	1	1.8	2.4	1	2	2	3	1	3

Annexure: English Language Syllabus
Syllabus For Ability Enhancement Compulsory Course (AECC)
ENGLISH LANGUAGE (L2)

For Undergraduate Programs offered in
Faculty of Commerce and Management

B.Com, BBA, BBA (H &H), BBA (Aviation & International Tourism

Title of the Paper – Generic English – 2 Fiction and Language Component

Semester IV Course Code: B.Com / BBA (All) – 22ENG420	Course Title: AECC, Generic English - 2 Fiction & Language Component
Course Credits: 03 (2:1:0)	Hours of Teaching/Week: 04
Total Contact Hours: 56 Hours	Formative Assessment Marks: 40
Exam Duration: 2½ Hours	Semester End Examination Marks: 60

Course Outcomes

CO1: Ability to critically analyse, interpret and appreciate literary texts and gain an awareness of social, cultural, religious and ethnic diversities for an inclusive outlook to function effectively in a multi-cultural society.

CO2: Augmented presentation and analytical skills.

CO3: Prepare students for the technologically advanced world, its challenges and opportunities.

CO4: Acquire and apply language skills for competitive exams and employability skills for emerging sectors such as content writers, interpreters, translators and transcribers.

CO5: Enhanced competency for LSRW (Listening, Speaking, Reading, Writing skills)

Course Articulation Matrix – B.Com / BBA (All) – 22ENG420

COs/ POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	3	2	1	2	3	1	3	2	3	1	3
CO2	3	2	1	1	1	1	1	3	2	3	1	3
CO3	1	1	2	-	3	3	1	2	2	3	1	3
CO4	3	3	2	1	2	3	-	1	3	3	1	3
CO5	3	3	1	1	1	2	1	1	1	3	-	3
WA	2.6	2.4	1.6	1	1.8	2.4	1	2	2	3	1	3

Semester III Course Code: 221380	Title: DSC(6) Indian Literature in Translation
Course Credits: 03 (3:0:0)	Hours of Teaching/Week: 03
Total Contact Hours: 42 Hours +3 Hours (Activity)	Formative Assessment Marks: 40
Exam Duration: 2½ Hours	Semester End Examination Marks: 60

Course Outcome

CO1 Understand the meaning and methods of translation

CO2 Comprehend the scope of translation in the modern age for a translation as a career.

CO3 Knowledge of Indian writers and literature in regional languages through English and appreciate the cultural ethos of India.

Course Articulation Matrix – 221380

COs / POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	1	1	-	2	2	-	1	2	3	1	3
CO2	3	1	1	1	2	2	-	2	3	3	1	3
CO3	3	1	1	1	2	2	1	2	1	3	1	3
WA	3	1	1	1	2	2	1	1.6	2	3	1	3

**Annexure: English Optional Syllabus
OPTIONAL ENGLISH (L2)**

For Undergraduate Programs offered in

Syllabus for IV Semester B A in English (Basic / Hons.)

Title of the Paper-DSC-7 BRITISH LITERATURE (19th & 20TH CENTURY) (PART 2)

Semester IV Course Code: 221479	Title: DSC(7) - British Literature (19th and 20th Century) Part - 2
Course Credits: 03 (3:0:0)	Hours of Teaching/Week: 03
Total Contact Hours: 42 Hours + 3 Hours (Activity)	Formative Assessment Marks: 40
Exam Duration: 2½ Hours	Semester End Examination Marks: 60

Course Outcome

CO1: Identify the canonical literature of England.

CO2: Gain knowledge of important trends and movements in British literature.

CO3: Distinguish the poets, playwrights and novelists of different periods and relate them to real life situation.

Course Articulation Matrix – 221479

COS/ POS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	1	1	1	1	2	-	3	1	3	-	2
CO2	3	1	1	2	1	3	1	3	1	3	-	3
CO3	3	-	1	2	1	3	-	3	1	3	1	3
WA	3	1	1	1.3	1	2.6	1	3	1	3	1	2.6

Title of the Paper – DSC – 8 GENDER STUDIES (PART 1)

Semester IV Course Code: 221480	Course Title: DSC(8) Gender Studies (PART 1)
Course Credits: 03 (3:0:0)	Hours of Teaching/Week: 03
Total Contact Hours: 42 Hours + 3 Hours (Activity)	Formative Assessment Marks: 40
Exam Duration: 2½ Hours	Semester End Examination Marks: 60

Course Outcome

CO1 Realize the basic concepts of gender studies.

CO2 Modification of behavior after understanding the significance of Gender as a discourse. CO3 Sensitization in the domain of Humanities and literature by women writers.

Course Articulation Matrix 221480

COS / POS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	2	1	1	1	3	1	3	1	3	1	3
CO2	3	1	2	1	2	3	1	3	2	3	1	3
CO3	3	1	2	1	1	3	1	3	2	3	1	3
WA	3	1.3	1.6	1	1.3	3	1	3	1.6	3	1	3

DEPARTMENT OF HINDI

AECC(1) HINDI Syllabus for B.Com/BBA(All)

Semester I

Course Code: 21HIN106	Course Title: AECC(1) Hindi Kahani and grammar (Theory)
Course Credits: 02 (2:1:0)	No. of Teaching Hours/Week: 02 Hours (Theory) 02 Hours (Tutorials)
Total Contact Hours: 32 Hours (Theory) 32 Hours (Tutorials)	Formative Assessment Marks: 40
Exam Duration: 2½ Hours (Theory)	Semester End Examination Marks: 60 (Theory)

Course Outcomes (COs):

CO1: Knowledge of Short Stories as a form of Literature, familiarity with Socio-Economic disparity and identity good character trait for day to day life.

CO2: Accept divergent opinions to build strong intrapersonal Skills personality and professionally.

CO3: Understand the pluralistic nature of Society, respect other people's values and traditions to live in harmony.

CO4: Enhanced Skills in grammar for better LSRW (Listening, Speaking, Reading, and Writing).

Course Articulation Matrix – 21HIN106

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	1	2	1	1	1	2	1	3	2	3	1	2
CO 2	1	2	1	1	1	2	1	3	2	3	1	2
CO 3	1	2	1	1	1	2	1	3	2	3	1	2
CO 4	1	2	1	1	1	1	1	-	1	3	1	2
Weighted Average	1	2	1	1	1	1.75	1	2.22	1.25	3	1	2

AECC(1) HINDI Syllabus for BCA/ BSc

Semester I

Course Code: 21HIN107	Course Title: AECC(1) Hindi Kahani and grammar (Theory)
Course Credits: 02 (2:1:0)	No. of Teaching Hours/Week: 02 Hours (Theory) 02 Hours (Tutorials)
Total Contact Hours: 32 Hours (Theory) 32 Hours (Tutorials)	Formative Assessment Marks: 40
Exam Duration: 2½ Hours (Theory)	Semester End Examination Marks: 60 (Theory)

Course Outcomes (COs):

CO1: Knowledge of Short Stories as a form of Literature, familiarity with Socio-Economic disparity and identity good character trait and gender sensitised..

CO2: Appreciate the richness of Indian tradition:Understand the Psychological conflict and instill the spirit of nationalism.

CO3: Empathise with aged people and develop a more humane approach towards the needy.

CO4: Enhanced Skills in grammar for better LSRW (Listening, Speaking, Reading, and Writing).

Course Articulation Matrix –21HIN107

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	1	2	1	1	1	2	1	3	2	3	1	2
CO 2	1	2	1	1	1	2	1	3	2	3	1	2
CO 3	1	2	1	1	1	2	1	3	2	3	1	2
CO 4	3	2	1	1	1	1	1	-	1	3	1	2
Weighted Average	1.5	2	1	1	1	1.75	1	2.22	1.25	3	1	2

AECC(1) HINDI Syllabus for BA

Semester I

Course Code: 21HIN108	Course Title: AECC(1) Hindi Kahani and grammar (Theory)
Course Credits: 02 (2:1:0)	No. of Teaching Hours/Week: 02 Hours (Theory) 02 Hours (Tutorials)
Total Contact Hours: 32 Hours (Theory) 32 Hours (Tutorials)	Formative Assessment Marks: 40
Exam Duration: 2½ Hours (Theory)	Semester End Examination Marks: 60 (Theory)

Course Outcomes (COs):

CO1: Knowledge of Short Stories as a form of Literature, familiarity with Socio-Economic disparity and identity good character trait and gender sensitised..

CO2: Appreciate the richness of Indian tradition:Understand the Psychological conflict and instill the spirit of nationalism.

CO3: Empathise with aged people and develop a more humane approach towards the needy.

CO4: Enhanced Skills in grammar for better LSRW (Listening, Speaking, Reading, and Writing).

Course Articulation Matrix – 21HIN108

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	1	2	1	1	1	2	1	3	2	3	1	2
CO 2	1	2	1	1	1	2	1	3	2	3	1	2
CO 3	1	2	1	1	1	2	1	3	2	3	1	2
CO 4	3	2	1	1	1	1	1	-	1	3	1	2
Weighted Average	1.5	2	1	1	1	1.75	1	2.22	1.25	3	1	2

AECC(2) HINDI Syllabus for B.Com/BBA(All)

Semester II

Course Code: 21HIN206	Course Title: AECC(2) Hindi Gadya Our Vyavaharik Hindi (Theory)
Course Credits: 02 (2:1:0)	No. of Teaching Hours/Week: 02 Hours (Theory) 02 Hours (Tutorials)
Total Contact Hours: 32 Hours (Theory) 32 Hours (Tutorials)	Formative Assessment Marks: 40
Exam Duration: 2½ Hours (Theory)	Semester End Examination Marks: 60 (Theory)

Course Outcomes (COs):

CO1: Familiarly with Socio-economic disparity, identity good character traits for character building.

CO2: Learn to accept divergent opinions to build strong intrapersonal skills personally and professionally.

CO3: Understand the pluralistic nature of Society; respect other people's values and live in harmony.

CO4: Enhance skills in usage of grammar for formal communication-both written and oral.

Course Articulation Matrix – 21HIN206

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	2	2	1	1	1	2	1	3	2	3	1	2
CO 2	2	2	1	1	1	2	1	3	2	3	1	2
CO 3	2	2	1	1	1	2	1	3	2	3	1	2
CO 4	3	2	1	1	1	1	1	-	1	3	1	2
Weighted Average	2.25	2	1	1	1	1.75	1	2.22	1.25	3	1	2

**AECC(2) HINDI Syllabus for
BCA/BscSemester II**

Course Code: 21HIN207	Course Title: AECC(2) Hindi Kavita Aur Anuvada Abhyas (Theory)
Course Credits: 02 (2:1:0)	No. of Teaching Hours/Week: 02 Hours (Theory) 02 Hours (Tutorials)
Total Contact Hours: 32 Hours (Theory) 32 Hours (Tutorials)	Formative Assessment Marks: 40
Exam Duration: 2½ Hours (Theory)	Semester End Examination Marks: 60 (Theory)

Course Outcomes (COs):

CO1: Awareness of the richness of Indian tradition and culture; Imbibe values for life-long character shaping.

CO2: Strong decision making skills with a vision for clear goal setting.

CO3: Insight into the current Socio-political and economic situation of the Society; reverence for struggle and sacrifice of the freedom fighters.

CO4: Ability to use learned skills as a mechanism for better communication; Adopt values in life for Harmonious living.

Course Articulation Matrix –21HIN207

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	2	2	1	1	1	2	1	3	2	3	1	2
CO 2	2	2	1	1	1	2	1	3	2	3	1	2
CO 3	2	2	1	1	1	2	1	3	2	3	1	2
CO 4	3	2	1	1	1	1	1	-	1	3	1	2
Weighted Average	2.25	2	1	1	1	1.75	1	2.22	1.25	3	1	2

AECC(2) HINDI Syllabus for BA

Semester II

Course Code: 21HIN208	Course Title: AECC(2) Laghu Upanyas & Prayojanmulak Hindi (Theory)
Course Credits: 02 (2:1:0)	No. of Teaching Hours/Week: 02 Hours (Theory) 02 Hours (Tutorials)
Total Contact Hours: 32 Hours (Theory) 32 Hours (Tutorials)	Formative Assessment Marks: 40
Exam Duration: 2½ Hours (Theory)	Semester End Examination Marks: 60 (Theory)

Course Outcomes (COs):

CO1: Awareness of the richness of Indian family system, tradition and culture; Imbibe values for life-long character shaping.

CO2: Strong decision making skills with a vision for clear goal setting.

CO3: Insight into the current Socio-political and economic situation of the Society; reverence for family struggle and overcome.

CO4: Ability to use learned skills as mechanism for better communication; Adopt values in life for Harmonious living.

Course Articulation Matrix – 21HIN208

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	2	2	1	1	1	2	1	3	2	3	1	2
CO 2	2	2	1	1	1	2	1	3	2	3	1	2
CO 3	2	2	1	1	1	2	1	3	2	3	1	2
CO 4	3	2	1	1	1	1	1	-	1	3	1	2
Weighted Average	2.25	2	1	1	1	1.75	1	2.22	1.25	3	1	2

AECC (3) HINDI Syllabus for B.Com/BBA(All)

Semester III Course Code: 22HIN306	Course Title: AECC(3) हिंदी संस्कृत + संस्कृत, संस्कृत, संस्कृत
Course Credits: 02 (2:1:0)	No. of Teaching Hours/Week: 02 Hours (Theory) 02 Hours (Tutorials))
Total Contact Hours: 32 Hours (Theory) 32 Hours (Tutorials)	Formative Assessment Marks: 40
Exam Duration: 2½ Hours (Theory)	Semester End Examination Marks: 60 (Theory)

Course Outcomes (COs):

CO1: Awareness of the richness of Indian tradition and culture; Imbibe values for life- long character shaping.

CO2: Strong decision making skills with a vision for clear goal setting.

CO3: Insight into the current Socio-political and economic situation of the Society; reverence for struggle and sacrifice o the freedom fighters.

CO4: Ability to use learns skills as as mechanism for better communication; Adopt values in life for Harmonious living.

course Articulation Matrix – 22HIN306

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	2	2	1	1	1	2	1	3	2	3	1	2
CO 2	2	2	1	1	1	2	1	3	2	3	1	2
CO 3	2	2	1	1	1	2	1	3	2	3	1	2
CO 4	3	2	1	1	1	1	1	-	1	3	1	2
Weighted Average	2.25	2	1	1	1	1.75	1	2.22	1.25	3	1	2

AECC(3) HINDI Syllabus for BA/BCA/BSc

Semester III Course Code: 22HIN307	Course Title: AECC(3) Hindi Natak aur Sanchar Madyam ourHindi
Course Credits: 02 (2:1:0)	No. of Teaching Hours/Week: 02 Hours (Theory) 02 Hours (Tutorials)
Total Contact Hours: 32 Hours (Theory) 32 Hours (Tutorials)	Formative Assessment Marks: 40
Exam Duration: 2½ Hours (Theory)	Semester End Examination Marks: 60 (Theory)

Course Outcomes (COs):

CO1: Understand the concept of drama and process of dramatics to pursue acting as a career.

CO2: Obtain Knowledge of Indian art, architecture, heritage and historical events.

CO3: Imbibe good morals and values to shape as a better human being with rational thinking.

CO4: Equipped with skills of communicative Hindi for various digital and non-digital platforms.

Course Articulation Matrix – 22HIN307

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	2	2	1	1	1	2	1	3	2	3	1	2
CO 2	2	2	1	1	1	2	1	3	2	3	1	2
CO 3	2	2	1	1	1	2	1	3	2	3	1	2
CO 4	3	2	1	1	1	1	1	-	1	3	1	2
Weighted Average	2.25	2	1	1	1	1.75	1	2.22	1.25	3	1	2

AECC(4) HINDI Syllabus for B.Com/BBA(All)

Semester IV Course Code: 22HIN406	Course Title: AECC(4) Hindi Natak aur Sanchar Madyam our Hindi
Course Credits: 02 (2:1:0)	No. of Teaching Hours/Week: 02 Hours (Theory) 02 Hours (Tutorials)
Total Contact Hours: 32 Hours (Theory) 32 Hours (Tutorials)	Formative Assessment Marks: 40
Exam Duration: 2½ Hours (Theory)	Semester End Examination Marks: 60 (Theory)

Course Outcomes (COs):

CO1: Grasp about Enacting Drama, one should become the actor, Knowing Great Indian Traditions and Heritage .Art and Architecture. Culture. Believes. Character Building, Analyze and adopt the good Character in the life, Develop a New Ideas. Inculcate Communication Skills.

CO2: Patriotism, Selfish character in the society. Ability to take right Decisions.

CO3: Dramatic turn in the life. Delicacy, Study of Indian Historical events and Hummanity.

CO4: Usage of Communicative Hindi in Different Digital Non digital Platforms.

Course Articulation Matrix – 22HIN406

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	2	2	1	1	1	2	1	3	2	3	1	2
CO 2	2	2	1	1	1	2	1	3	2	3	1	2
CO 3	2	2	1	1	1	2	1	3	2	3	1	2
CO 4	2	2	1	1	1	1	1	-	1	3	1	2
Weighted Average	2	2	1	1	1	1.75	1	2.22	1.25	3	1	2

AECC(4) HINDI Syllabus for BA/BCA/BSc

Semester IV Course Code: 22HIN407	Course Title: AECC(4) Hindi Gadya aur Sarakari Patra.
Course Credits: 02 (2:1:0)	No. of Teaching Hours/Week: 02 Hours (Theory) 02 Hours (Tutorials)
Total Contact Hours: 32 Hours (Theory) 32 Hours (Tutorials)	Formative Assessment Marks: 40
Exam Duration: 2½ Hours (Theory)	Semester End Examination Marks: 60 (Theory)

Course Outcomes (COs):

CO1: Familiarly with Socio-economic disparity, identity good character traits for character building.

CO2: Learn to accept divergent opinions to build strong intrapersonal skills personally and professionally.

CO3: Understand the pluralistic nature of Society; respect other people's values and live in harmony.

CO4: Using this as a tool for any type of Communication through Hindi. and Capacity to lead the life.

Course Articulation Matrix – 22HIN407

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	2	2	1	1	1	2	1	3	2	3	1	2
CO 2	2	2	1	1	1	2	1	3	2	3	1	2
CO 3	2	2	1	1	1	2	1	3	2	3	1	2
CO 4	2	2	1	1	1	1	1	-	1	3	1	2
Weighted Average	2	2	1	1	1	1.75	1	2.22	1.25	3	1	2

DEPARTMENT OF KANNADA

ಸೆಮಿಸ್ಟರ್-1

Course Code: 22KAN101	Course Title: ಕನ್ನಡಭಾಷೆ - 1
Course Credits (L:T:P): 03 (2:1:0)	Hours of Teaching/Week: 02 (Theory) + 02 (Tutorials)
Total Contact Hours: 56 Hours	Formative Assessment Marks: 40
Exam Duration: 2 $\frac{1}{2}$ Hours	Semester End Examination Marks: 60

Course Outcomes (COs):

CO 1: ಕನ್ನಡಭಾಷೆ ಮತ್ತು ಸಾಹಿತ್ಯದ ಶ್ರೀಮಂತಿಕೆಯನ್ನು ಅರಿತು ಕನ್ನಡ ನಾಡು-ನುಡಿಯ ರಕ್ಷಣೆಗೆ ಸದಾ ಸಿದ್ಧರಾಗಿರುತ್ತಾರೆ.

CO 2: ಬಾಲ್ಯದ ಅನುಭವಗಳನ್ನು ಮೆಲುಕುಹಾಕುವುದರೊಂದಿಗೆ ಸದೃಢ ಬೌದ್ಧಿಕ ಮತ್ತು ಮಾನವೀಯ ವ್ಯಕ್ತಿತ್ವ ನಿರ್ಮಿಸಿಕೊಳ್ಳುವರು.

CO 3: ಮಾನವ ಮತ್ತು ಪ್ರಕೃತಿ ನಡುವಿನ ಅವಿನಾಭಾವ ಸಂಬಂಧವನ್ನು ಅರಿತು, ಪ್ರಕೃತಿ ಸಂರಕ್ಷಣೆಯಲ್ಲಿ ಭಾಗಿಯಾಗುತ್ತಾರೆ.

CO 4: ಲಿಂಗಸಮಾನತೆ ಮನೋಭಾವವನ್ನು ಬೆಳೆಸಿಕೊಳ್ಳುತ್ತಾರೆ.

Course Articulation Matrix – 22KAN101

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	3	3	3	3	2	3	2	3	3	3	2	2
CO 2	3	3	3	2	-	3	-	3	2	3	2	2
CO 3	3	3	3	2	3	3	3	2	2	2	2	2
CO 4	3	3	3	2	2	2	1	3	2	2	1	2
Weighted Average	3	3	3	2.25	2.33	2.75	2	2.75	2.25	2.5	1.75	2

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ಸೆಮಿಸ್ಟರ್-2

Course Code: 22KAN201	Course Title: ಕನ್ನಡಭಾಷೆ - 2
Course Credits (L:T:P): 03 (2:1:0)	Hours of Teaching/Week: 02 (Theory) + 02 (Tutorials)
Total Contact Hours: 56 Hours	Formative Assessment Marks: 40
Exam Duration: 2½ Hours	Semester End Examination Marks: 60

Course Outcomes (COs):

- CO 1. ತಮ್ಮ ಬದುಕಿನಲ್ಲಿ ದೇಶಿಯತೆಗೆ ಪ್ರಾಧ್ಯಾನತೆಯನ್ನು ನೀಡುತ್ತಾರೆ.
CO 2. ಜವಾಬ್ದಾರಿಯುತ ನಾಗರೀಕರಾಗುತ್ತಾರೆ.
CO 3. ಬದುಕಿನಲ್ಲಿ ಪ್ರೀತಿಸುವ ಗುಣವನ್ನು ಬೆಳೆಸಿಕೊಳ್ಳುವರು
CO 4. ಸಾಮಾಜಿಕ ಸಾಮರಸ್ಯವನ್ನು ಕಲಿತು, ಪರಂಪರೆಯ ಪೋಷಕರಾಗುತ್ತಾರೆ.

Course Articulation Matrix – 22KAN201

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	3	3	2	2	1	3	2	3	2	2	2	2
CO 2	3	3	3	2	2	3	3	3	2	2	2	2
CO 3	3	3	2	2	1	3	3	3	2	2	2	2
CO 4	3	3	3	2	2	3	1	3	3	3	3	2
Weighted Average	3	3	2.5	2	1.5	3	2.25	3	2.25	2.25	2.25	2

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ಸೆಮಿಸ್ಟರ್-1

Course Code: 22KAN102	Course Title: ಕನ್ನಡಭಾಷೆ - 1
Course Credits (L:T:P): 03 (2:1:0)	Hours of Teaching/Week: 02 (Theory) + 02 (Tutorials)
Total Contact Hours: 56 Hours	Formative Assessment Marks: 40
Exam Duration: 2½ Hours	Semester End Examination Marks: 60

Course Outcomes

CO 1.ಕನ್ನಡಭಾಷೆ ಮತ್ತು ಸಾಹಿತ್ಯದ ಶ್ರೀಮಂತಿಕೆಯನ್ನು ಅರಿತು ಕನ್ನಡ ನಾಡು-ನುಡಿಯ ಬಗ್ಗೆ ಅಭಿಮಾನ ಹೊಂದುವರು.

CO 2.ಭೂಮಿಯ ಮಹತ್ವ ತಿಳಿದು, ಭೂಮಿಯ ಸಂರಕ್ಷಣೆಯಲ್ಲಿ ತೊಡಗುತ್ತಾರೆ.

CO 3.ಜೀವನದಲ್ಲಿ ಮೌಢ್ಯತೆಯನ್ನು ಕಳೆದುಕೊಂಡು, ವೈಚಾರಿಕ ಬದುಕಿಗೆ ಆದ್ಯತೆ ನೀಡುತ್ತಾರೆ.

CO 4.ಮಾನವೀಯ ಮೌಲ್ಯಗಳನ್ನು ಮೈಗೂಡಿಸಿಕೊಳ್ಳುತ್ತಾರೆ.

Course Articulation Matrix – 22KAN102

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	3	3	2	2	2	3	2	3	2	2	2	2
CO 2	3	2	3	2	2	3	2	3	2	2	2	2
CO 3	3	3	3	2	2	3	2	3	1	1	1	2
CO 4	3	3	2	2	-	3	2	3	2	2	2	2
Weighted Average	3	2.75	2.5	2	2	3	2	3	1.75	1.75	1.75	2

ಬಿ.ಎಸ್ಸಿ

ಸೆಮಿಸ್ಟರ್-2

Course Code: 22KAN202	Course Title: ಕನ್ನಡಭಾಷೆ - 2
Course Credits (L:T:P): 03 (2:1:0)	Hours of Teaching/Week: 02 (Theory) + 02 (Tutorials)
Total Contact Hours: 56 Hours	Formative Assessment Marks: 40
Exam Duration: 2 $\frac{1}{2}$ Hours	Semester End Examination Marks: 60

Course Outcomes

- CO 1.ಬದುಕಿನಲ್ಲಿ ಬರಬಹುದಾದ ಯಾವುದೇ ಕಷ್ಟ-ಸುಖಗಳನ್ನು ಸಮಾನವಾಗಿ ಸ್ವೀಕರಿಸುವ ಮನೋಧರ್ಮ ಬೆಳೆಸಿಕೊಳ್ಳುವರು.
- CO 2.ಜೀವನದಲ್ಲಿ ಉತ್ತಮ ಕನಸುಗಳನ್ನು ಕಾಣುವುದರೊಂದುಗೆ ಅವುಗಳನ್ನು ಸಾಕಾರಗೊಳಿಸು ಕಡೆ ಸದಾ ಕಾರ್ಯಪ್ರವೃತ್ತರಾಗಿರುತ್ತಾರೆ.
- CO 3.ಪ್ರಕೃತಿಯ ಜೀವಸಂಕುಲದ ಬಹುಮುಖ್ಯ ಭಾಗವಾದ ಮಳೆಯ ಮಹತ್ವವನ್ನು ಅರಿಯುತ್ತಾರೆ.
- CO 4.ಮಾಹಿತಿ ತಂತ್ರಜ್ಞಾನ ಕ್ಷೇತ್ರದಲ್ಲಿ ಕನ್ನಡಭಾಷೆ ಮತ್ತು ಸಾಹಿತ್ಯದ ಬಳಕೆಯನ್ನು ಕಲಿಯುತ್ತಾರೆ.

Course Articulation Matrix - 22KAN202

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	3	3	2	2	2	3	-	3	2	2	2	2
CO 2	3	3	3	3	2	3	1	3	-	2	2	2
CO 3	3	3	2	2	2	3	3	3	2	2	2	2
CO 4	3	3	2	2	3	3	1	3	2	2	2	2
Weighted Average	3	3	2.25	2.25	2.25	3	1.66	3	2	2	2	2

ಬಿ.ಕಾಂ.

ಸೆಮಿಸ್ಟರ್-1

Course Code: 22KAN103	Course Title: ಕನ್ನಡಭಾಷೆ - 1
Course Credits (L:T:P): 03 (2:1:0)	Hours of Teaching/Week: 02 (Theory) + 02 (Tutorials)
Total Contact Hours: 56 Hours	Formative Assessment Marks: 40
Exam Duration: 2½ Hours	Semester End Examination Marks: 60

Course Outcomes

CO 1.ಕನ್ನಡ ನಾಡು-ನುಡಿಯ ಏಳಿಗೆಗಾಗಿ ಶ್ರಮಿಸುತ್ತಾರೆ.

CO 2.ಬದುಕಿನಲ್ಲಿ ಸಹಿಷ್ಣುತಾ ಗುಣವನ್ನು ಬೆಳೆಸಿಕೊಳ್ಳುವರು.

CO 3.ದೇಶಿ ಬದುಕಿನೆಡೆಗೆ ಮುಖ ಮಾಡುತ್ತಾರೆ.

CO 4.ನಿಸ್ವಾರ್ಥಗುಣವನ್ನು ಮೈಗೂಡಿಸಿಕೊಳ್ಳುತ್ತಾರೆ.

Course Articulation Matrix – 22KAN103

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	3	3	2	2	2	3	2	3	2	3	2	3
CO 2	3	3	2	2	1	3	2	3	-	-	-	2
CO 3	3	3	2	2	2	3	2	3	2	2	2	2
CO 4	3	3	3	2	2	3	3	3	1	1	1	2
Weighted Average	3	3	2.25	2	1.75	3	2.25	3	1.66	2	1.66	2.25

ಬಿ.ಕಾಂ.

ಸೆಮಿಸ್ಟರ್-2

Course Code: 22KAN203	Course Title: ಕನ್ನಡಭಾಷೆ - 2
Course Credits (L:T:P): 03 (2:1:0)	Hours of Teaching/Week: 02 (Theory) + 02 (Tutorials)
Total Contact Hours: 56 Hours	Formative Assessment Marks: 40
Exam Duration: 2 $\frac{1}{2}$ Hours	Semester End Examination Marks: 60

Course Outcomes

CO 1. ಪ್ರಕೃತಿ ಸೌಂದರ್ಯದ ಆರಾಧಕರಾಗುತ್ತಾರೆ.

CO 2. ವೈಜ್ಞಾನಿಕ ಮನೋಭಾವ ಬೆಳೆಸಿಕೊಳ್ಳುತ್ತಾರೆ.

CO 3. ಪರಿಸರದ ಬಗ್ಗೆ ಕಾಳಜಿ ಹೊಂದುವರು.

CO 4. ವಾಣಿಜ್ಯಪತ್ರ ಹಾಗೂ ವರದಿ ತಯಾರಿಸುವುದನ್ನು ಕಲಿಯುತ್ತಾರೆ.

Course Articulation Matrix – 22KAN203

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	3	3	3	2	2	3	3	3	2	2	2	2
CO 2	3	3	3	2	2	3	3	3	2	1	2	3
CO 3	3	3	3	2	1	3	3	3	2	2	3	2
CO 4	3	3	2	3	2	2	3	3	2	2	3	2
Weighted Average	3	3	2.75	2.25	1.75	2.75	3	3	2	1.75	2.5	2.25

ಸೆಮಿಸ್ಟರ್ - 1

Course Code: 22KAN104	Course Title: ಕನ್ನಡಭಾಷೆ - 1
Course Credits (L:T:P): 03 (2:1:0)	Hours of Teaching/Week: 02 (Theory) + 02 (Tutorials)
Total Contact Hours: 56 Hours	Formative Assessment Marks: 40
Exam Duration: 2 $\frac{1}{2}$ Hours	Semester End Examination Marks: 60

Course Outcomes

- CO 1. ಕನ್ನಡ ನಾಡು-ನುಡಿಯ ಅಸ್ತಿತ್ವಕ್ಕಾಗಿ ಹೋರಾಡುತ್ತಾರೆ.
 CO 2. ದೇಶಿ ಬದುಕಿನ ಕಡೆಗೆ ಮುಖ ಮಾಡುತ್ತಾರೆ.
 CO 3. ಭಾವೈಕ್ಯತೆಯಿಂದ ಬದುಕುವುದನ್ನು ಕಲಿಯುತ್ತಾರೆ.
 CO 4. ಲಿಂಗಸಮಾನತೆಗೆ ಒತ್ತು ನೀಡುತ್ತಾರೆ.

Course Articulation Matrix – 22KAN104

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	3	3	2	3	3	3	3	3	2	3	2	2
CO 2	3	3	3	2	3	3	3	3	2	3	3	2
CO 3	3	3	3	3	1	3	1	3	2	3	2	2
CO 4	3	3	3	2	3	3	-	3	2	2	2	2
Weighted Average	3	3	2.75	2.5	2.5	3	2.33	3	2	2.75	2.25	2

ಸೆಮಿಸ್ಟರ್ - 2

Course Code: 22KAN204	Course Title: ಕನ್ನಡಭಾಷೆ - 2
Course Credits (L:T:P): 03 (2:1:0)	Hours of Teaching/Week: 02 (Theory) + 02 (Tutorials)
Total Contact Hours: 56 Hours	Formative Assessment Marks: 40
Exam Duration: 2 $\frac{1}{2}$ Hours	Semester End Examination Marks: 60

Course Outcomes

- CO 1. ಶ್ರಮಸಂಸ್ಕೃತಿಯನ್ನು ಬೆಳೆಸಿಕೊಳ್ಳುವರು.
- CO 2. ಜಾತ್ಯಾತೀತ ಮನೋಭಾವ ರೂಢಿಸಿಕೊಳ್ಳುವರು.
- CO 3. ಜೀವನದಲ್ಲಿ ತ್ಯಾಗ, ಆದರ್ಶಗಳನ್ನು ಬೆಳೆಸಿಕೊಳ್ಳುವರು.
- CO 4. ಕನ್ನಡ ಸಾಹಿತ್ಯದ ವಿವಿಧ ಪ್ರಕಾರಗಳನ್ನು ಓದುತ್ತಾರೆ.

Course Articulation Matrix – 22KAN204

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	3	3	3	2	2	3	3	3	2	2	1	2
CO 2	3	3	3	2	2	3	-	3	2	2	1	2
CO 3	3	3	3	3	2	3	1	3	2	2	2	2
CO 4	3	3	3	3	2	3	2	2	2	2	3	2
Weighted Average	3	3	3	2.5	2	3	2	2.75	2	2	1.75	2

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ಸೆಮಿಸ್ಟರ್ - 1

Course Code: 22KAN105	Course Title: ಕನ್ನಡಭಾಷೆ - 1
Course Credits (L:T:P): 03 (2:1:0)	Hours of Teaching/Week: 02 (Theory) + 02 (Tutorials)
Total Contact Hours: 56 Hours	Formative Assessment Marks: 40
Exam Duration: 2½ Hours	Semester End Examination Marks: 60

Course Outcomes

- CO 1.ಕನ್ನಡ ನಾಡು-ನುಡಿಯ ಏಳಿಗೆಗಾಗಿ ಶ್ರಮಿಸುತ್ತಾರೆ.
- CO 2.ಪರಿಸರಮಾಲಿನ್ಯವನ್ನು ತಡೆಯುವಲ್ಲಿ ಕಾರ್ಯಪ್ರವೃತ್ತರಾಗುತ್ತಾರೆ.
- CO 3.ಹರೆಯದ ಮಹತ್ವ ಅರಿತು, ಉತ್ತಮ ವ್ಯಕ್ತಿತ್ವ ರೂಪಿಸಿಕೊಳ್ಳುವರು.
- CO 4.ತಂತ್ರಜ್ಞಾನದಲ್ಲಿ ಕನ್ನಡಭಾಷೆ ಅಳವಡಿಸಿಕೊಳ್ಳುತ್ತಾರೆ.

Course Articulation Matrix – 22KAN105

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	3	3	3	2	2	3	2	3	2	2	2	2
CO 2	3	2	3	2	2	3	3	3	2	2	1	2
CO 3	3	3	2	2	2	3	-	-	2	1	-	2
CO 4	3	2	2	2	3	3	-	2	2	2	2	2
Weighted Average	3	2.5	2.5	2	2.25	3	2.5	2.66	2	1.75	1.66	2

ಬಿ.ಸಿ.ಎ.

ಸೆಮಿಸ್ಟರ್-2

Course Code: 22KAN205	Course Title: ಕನ್ನಡಭಾಷೆ - 2
Course Credits (L:T:P): 03 (2:1:0)	Hours of Teaching/Week: 02 (Theory) + 02 (Tutorials)
Total Contact Hours: 56 Hours	Formative Assessment Marks: 40
Exam Duration: 2 $\frac{1}{2}$ Hours	Semester End Examination Marks: 60

Course Outcomes

CO 1.ಜಾಗತೀಕರಣದ ಪ್ರಭಾವಗಳನ್ನು ಅರಿತು ವರ್ತಿಸುತ್ತಾರೆ.

CO 2.ತಂತ್ರಜ್ಞಾನದ ಅಗತ್ಯತೆಯನ್ನು ಅರಿತು, ಕನ್ನಡಭಾಷೆ ಮತ್ತು ಸಾಹಿತ್ಯವನ್ನು ತಂತ್ರಜ್ಞಾನದಲ್ಲಿ ಅಳವಡಿಸುವುದಕ್ಕೆ ಮುಂದಾಗುತ್ತಾರೆ.

CO 3.ಜೀವನದಲ್ಲಿ ಸುಖಮಯವಾದ ದಾಂಪತ್ಯವನ್ನು ನಿರ್ಮಿಸಿಕೊಳ್ಳುತ್ತಾರೆ.

CO 4.ತಂತ್ರಜ್ಞಾನದಲ್ಲಿ ಕನ್ನಡ ಬೆಳವಣಿಗೆಯ ಇತಿಹಾಸವನ್ನು ಅರಿಯುತ್ತಾರೆ.

Course Articulation Matrix – 22KAN205

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	3	3	3	2	2	2	3	2	3	2	3	2
CO 2	3	3	2	2	2	3	-	3	2	2	3	2
CO 3	3	3	3	2	2	3	-	3	3	2	-	2
CO 4	3	3	3	2	3	3	3	3	2	2	3	2
Weighted Average	3	3	2	2	2.25	2.75	3	2.75	2.5	2	3	2

ಕನ್ನಡ ಮುಕ್ತ ಆಯ್ಕೆ (OE)

ಸೆಮಿಸ್ಟರ್ - 1

Course Code: 22OEKAN101	Course Title: ಕನ್ನಡವ್ಯಾಕರಣ
Course Credits (L:T:P): 03 (3:0:0)	Hours of Teaching/Week: 03 (Theory)
Total Contact Hours: 42 Hours	Formative Assessment Marks: 40
Exam Duration: 2 $\frac{1}{2}$ Hours	Semester End Examination Marks: 60

Course Outcomes

- CO 1. ಕನ್ನಡ ಸಂಧಿ, ಸಮಾಸಗಳ ಪ್ರಯೋಗಗಳನ್ನು ಕಲಿಯುತ್ತಾರೆ.
- CO 2. ಕನ್ನಡವನ್ನು ಶುದ್ಧವಾಗಿ ಬರೆಯಲು ಮತ್ತು ಮಾತನಾಡಲು ಕಲಿಯುತ್ತಾರೆ.
- CO 3. ಕನ್ನಡ ಬಳಕೆಯಲ್ಲಿ ಲಿಂಗ, ವಚನಗಳ ಬಳಕೆಯನ್ನು ಕಲಿಯುವರು.
- CO 4. ಕನ್ನಡ ದ್ವಿರುಕ್ತಿ ಪದಗಳ ಪರಿಚಯವಾಗುತ್ತದೆ.

Course Articulation Matrix - 22OEKAN101

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	3	3	3	2	2	2	1	1	1	3	2	2
CO 2	3	2	3	2	2	2	1	2	2	3	2	2
CO 3	3	2	1	2	1	2	1	2	2	1	2	2
CO 4	3	2	1	2	1	2	2	1	2	1	2	2
Weighted Average	3	2.25	2	2	1.5	2	1	1.25	1.75	2	2	2

ಕನ್ನಡ ಮುಕ್ತ ಆಯ್ಕೆ (OE)

ಸೆಮಿಸ್ಟರ್ - 2

Course Code : 22OEKAN201	Course Title: ಆಡಳಿತಾತ್ಮಕ ಕನ್ನಡ
Course Credits (L:T:P): 03 (3:0:0)	Hours of Teaching/Week: 03 (Theory)
Total Contact Hours: 42 Hours	Formative Assessment Marks: 40
Exam Duration: 2$\frac{1}{2}$ Hours	Semester End Examination Marks: 60

Course Outcomes

- CO 1. ಯಾವುದೇ ಬಗೆಯ ವರದಿ ಮಾಡುವುದನ್ನು ಕಲಿಯುತ್ತಾರೆ.
CO 2. ಎಲ್ಲ ರೀತಿಯ ಪತ್ರಗಳನ್ನು ಬರೆಯುವುದನ್ನು ಕಲಿಯುವರು.
CO 3. ಆಡಳಿತದಲ್ಲಿ ಕನ್ನಡ ಬಳಕೆಯನ್ನು ಕಲಿಯುತ್ತಾರೆ.
CO 4. ಕನ್ನಡ ಗಾದೆಗಳು, ಒಗಡುಗಳು, ನುಡಿಗಟ್ಟುಗಳ ಬಳಕೆಯನ್ನು ರೂಢಿಸಿಕೊಳ್ಳುವರು.

Course Articulation Matrix - 22OEKAN201

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	3	2	3	2	2	2	1	1	2	3	2	2
CO 2	3	2	3	2	2	2	1	1	2	3	2	2
CO 3	3	1	2	1	2	1	2	2	1	1	2	2
CO 4	3	1	2	1	2	1	2	1	2	2	1	2
Weighted Average	3	1.5	2.5	1.5	2	1.5	1.5	1.25	1.75	2.25	1.75	2

ಬಿ.ಎ.

ಸೆಮಿಸ್ಟರ್-3

Course Code: 22KAN301	Course Title: ಕನ್ನಡಭಾಷೆ - 3
Course Credits (L:T:P): 03 (2:1:0)	Hours of Teaching/Week: 02 (Theory) + 02 (Tutorials)
Total Contact Hours: 56 Hours	Formative Assessment Marks: 40
Exam Duration: 2 $\frac{1}{2}$ Hours	Semester End Examination Marks: 60

Course Outcomes (COs):

CO 1: ರಾಷ್ಟ್ರಪ್ರೇಮವನ್ನು ಹೊಂದಿದ ಉತ್ತಮ ಭಾರತೀಯ ನಾಗರಿಕರಾಗುತ್ತಾರೆ.

CO 2: ಕೃಷಿಯ ಮಹತ್ವವನ್ನು ಅರಿತು, ಕೃಷಿಯಲ್ಲಿ ತೊಡಗಿಸಿಕೊಳ್ಳುತ್ತಾರೆ.

CO 3: ಸಾಹಿತ್ಯ ಮತ್ತು ಕ್ರೀಡೆಯ ಮಹತ್ವ ಅರಿತು, ವಿವಿಧ ಕ್ರೀಡಾಪಟುಗಳ ಜೀವನಚರಿತ್ರೆ ಮತ್ತು ಆತ್ಮಚರಿತ್ರೆಗಳನ್ನು ಓದಿಕೊಳ್ಳುತ್ತಾರೆ.

CO 4: ವಚನ ಸಾಹಿತ್ಯದ ಸಮಕಾಲೀನತೆಯನ್ನು ಅರಿತು, ಮೈಗೂಡಿಸಿಕೊಳ್ಳುತ್ತಾರೆ.

Course Articulation Matrix – 22KAN301

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	3	3	3	2	2	3	1	3	2	2	2	3
CO 2	3	3	3	2	3	3	3	3	2	2	2	3
CO 3	3	3	3	2	2	3	1	3	3	3	3	3
CO 4	3	3	3	2	2	3	3	3	3	2	3	3
Weighted Average	3	3	3	2	2.75	3	2	3	2.5	2.75	2.5	3

ಬಿ.ಎ.

ಸೆಮಿಸ್ಟರ್-4

Course Code: 22KAN401	Course Title: ಕನ್ನಡಭಾಷೆ - 4
Course Credits (L:T:P): 03 (2:1:0)	Hours of Teaching/Week: 02 (Theory) + 02 (Tutorials)
Total Contact Hours: 56 Hours	Formative Assessment Marks: 40
Exam Duration: 2 $\frac{1}{2}$ Hours	Semester End Examination Marks: 60

Course Outcomes (COs):

CO 1: ಯಾವುದೇ ಕೆಲಸವನ್ನು ಪ್ರೀತಿಯಿಂದ ಮಾಡುವುದನ್ನು ಕಲಿಯುತ್ತಾರೆ.

CO 2: ಬಡತನದ ಧಾರುಣಸ್ಥಿತಿಯ ಪರಿಚಯವಾಗುವುದರಿಂದ, ಬಡಜನರ ಬಗ್ಗೆ ಅನುಕಂಪ ಮೂಡುತ್ತದೆ.

CO 3: ಕಾಲದ ಮಹತ್ವವನ್ನು ಅರಿತು, ಸಮಯದ ಸದುಪಯೋಗವನ್ನು ಪಡೆದುಕೊಳ್ಳುತ್ತಾರೆ.

CO 4: ಹಳಗನ್ನಡ ಕಾಲದ ಕವಿಗಳು ಮತ್ತು ಕಾವ್ಯಗಳನ್ನು ಓದುತ್ತಾರೆ.

Course Articulation Matrix - 22KAN401

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	3	3	3	2	3	3	3	3	2	2	3	3
CO 2	3	3	3	2	2	3	1	3	2	1	3	3
CO 3	3	3	3	2	2	3	-	3	1	2	2	3
CO 4	3	3	3	2	1	2	-	2	2	2	1	3
Weighted Average	3	3	3	2	2	2.75	2	2.75	1.75	1.75	2.25	3

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ಸೆಮಿಸ್ಟರ್-3

Course Code: 22KAN302	Course Title: ಕನ್ನಡಭಾಷೆ - 3
Course Credits (L:T:P): 03 (2:1:0)	Hours of Teaching/Week: 02 (Theory) + 02 (Tutorials)
Total Contact Hours: 56 Hours	Formative Assessment Marks: 40
Exam Duration: 2 $\frac{1}{2}$ Hours	Semester End Examination Marks: 60

Course Outcomes (COs):

CO 1: ಜೀವನದಲ್ಲಿ ಮಾನವೀಯ ಗುಣಗಳನ್ನು ಅಳವಡಿಸಿಕೊಳ್ಳುತ್ತಾರೆ.

CO 2: ಪ್ರವಾಸಕಥನಗಳನ್ನು ಓದುವುದರಿಂದ ಹಲವು ಪ್ರಾದೇಶಿಕ ವಿಶೇಷತೆಗಳನ್ನು ಗುರುತಿಸುತ್ತಾರೆ.

CO 3: ಶರಣರ ವೈಚಾರಿಕ ಪ್ರಜ್ಞೆ ಸಮಾಜ ಸುಧಾರಕರ ವಿಚಾರ ಸಾಹಿತ್ಯವನ್ನು ಅವಲೋಕಿಸುತ್ತಾರೆ.

CO 4: ಆರೋಗ್ಯಯುತ ಜೀವನವನ್ನು ರೂಢಿಸಿಕೊಳ್ಳುತ್ತಾರೆ.

Course Articulation Matrix - 22KAN302

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	3	3	3	3	2	3	2	3	2	2	2	3
CO 2	3	3	3	2	2	3	2	3	3	3	2	3
CO 3	3	3	3	2	1	3	2	2	2	2	2	2
CO 4	3	3	2	2	2	3	2	3	2	3	1	3
Weighted Average	3	3	2.75	2.25	1.75	3	2	2.75	2.25	2.5	1.75	2.75

ಬಿ.ಎಸ್ಸಿ

ಸೆಮಿಸ್ಟರ್-4

Course Code: 22KAN402	Course Title: ಕನ್ನಡಭಾಷೆ - 4
Course Credits (L:T:P): 03 (2:1:0)	Hours of Teaching/Week: 02 (Theory) + 02 (Tutorials)
Total Contact Hours: 56 Hours	Formative Assessment Marks: 40
Exam Duration: 2 $\frac{1}{2}$ Hours	Semester End Examination Marks: 60

Course Outcomes (COs):

CO 1: ದಮನಿತರ ಕುರಿತಾದ ಅಧ್ಯಯನವು ವಿದ್ಯಾರ್ಥಿಗಳಲ್ಲಿ ಹೊಸ ಸಂಶೋಧನೆಗೆ ದಾರಿ ಮಾಡಿಕೊಡುತ್ತದೆ.

CO 2: ಸಾಮಾಜಿಕ ಸಹಿಷ್ಣುತಾ ಮನೋಭಾವವನ್ನು ಬೆಳೆಸಿಕೊಳ್ಳುವರು

CO 3: ಸಾಮಾನ್ಯ ಜನರ ಶ್ರಮಸಂಸ್ಕೃತಿಯ ಪರಿಚಯವಾಗಿ, ವಿದ್ಯಾರ್ಥಿಗಳಲ್ಲಿ ಶ್ರಮಿಕವರ್ಗದ ಪರವಾದ ಕಾಳಜಿ ಹೆಚ್ಚುತ್ತದೆ.

CO 4: ತಂದೆ-ತಾಯಿಯನ್ನು ಗೌರವದಿಂದ ಕಾಣುವ ಮನೋಭಾವ ರೂಢಿಸಿಕೊಳ್ಳುವರು.

Course Articulation Matrix - 22KAN402

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	3	3	3	2	2	3	-	3	2	2	2	3
CO 2	3	3	2	2	2	3	2	3	2	2	1	3
CO 3	3	3	2	2	2	3	3	3	2	2	1	2
CO 4	3	3	3	2	2	3	3	3	2	2	2	3
Weighted Average	3	3	2.5	2	2	3	2.66	3	2	2	1.5	2.75

ಬಿ.ಕಾಂ.

ಸೆಮಿಸ್ಟರ್-3

Course Code: 22KAN303	Course Title: ಕನ್ನಡಭಾಷೆ - 3
Course Credits (L:T:P): 03 (2:1:0)	Hours of Teaching/Week: 02 (Theory) + 02 (Tutorials)
Total Contact Hours: 56 Hours	Formative Assessment Marks: 40
Exam Duration: 2½ Hours	Semester End Examination Marks: 60

Course Outcomes

CO 1: ಅತ್ಯಾಧುನಿಕ ತಂತ್ರಜ್ಞಾನದೊಂದಿಗೆ ಮನೋರಂಜನಾ ಮಾಧ್ಯಮದ ಮಹತ್ವವನ್ನು ಗುರುತಿಸುತ್ತಾರೆ

CO 2: ಲಾಭಕ್ಕಾಗಿ ಬದುಕುವುದನ್ನು ಬಿಟ್ಟು, ಮನುಷ್ಯ ಸಂಬಂಧಗಳಿಗಾಗಿ ಬದುಕುವುದನ್ನು ರೂಢಿಸಿಕೊಳ್ಳುವರು

CO 3: ಸಾಮಾಜಿಕ ಸಮಾನತೆ ಮತ್ತು ಸೌಹಾರ್ದಯುತ ಬದುಕನ್ನು ರೂಪಿಸಿಕೊಳ್ಳುವರು.

CO4: ಸಾಹಿತ್ಯದಲ್ಲಿ ಚರ್ಚಿತವಾದ ಪರಿಸರ, ತಂತ್ರಜ್ಞಾನ, ಜೀವನಚರಿತ್ರೆ, ಆತ್ಮಕತೆ, ಆಧುನಿಕತೆಯ ಪ್ರೇರಣೆ ಮತ್ತು ಪ್ರಭಾವಗಳನ್ನು ಗುರುತಿಸುತ್ತಾರೆ.

Course Articulation Matrix - 22KAN303

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	3	3	3	2	3	3	-	3	2	3	3	3
CO 2	3	3	2	3	2	3	1	3	2	3	3	3
CO 3	3	3	2	3	1	3	1	3	3	3	3	3
CO 4	3	3	2	3	3	3	3	3	3	3	3	3
Weighted Average	3	3	2.25	2.75	2.25	3	1.66	3	2.5	3	3	3

ಬಿ.ಕಾಂ.

ಸೆಮಿಸ್ಟರ್-4

Course Code: 22KAN403	Course Title: ಕನ್ನಡಭಾಷೆ - 4
Course Credits (L:T:P): 03 (2:1:0)	Hours of Teaching/Week: 02 (Theory) + 02 (Tutorials)
Total Contact Hours: 56 Hours	Formative Assessment Marks: 40
Exam Duration: 2 $\frac{1}{2}$ Hours	Semester End Examination Marks: 60

Course Outcomes

CO 1: ಭೂಮಿ ಮತ್ತು ಕಡಲಿನ ಮಹತ್ವವನ್ನು ಅರಿತು, ಕಾವ್ಯ ನಿರ್ಮಾಣದಲ್ಲಿ ತೋಡಗುತ್ತಾರೆ.

CO 2: ಸಹಬಾಳ್ವೆಯಿಂದ ಕೂಡಿದ ಬದುಕನ್ನು ರೂಢಿಸಿಕೊಳ್ಳುತ್ತಾರೆ.

CO 3: ಆದರ್ಶ ಮತ್ತು ಮೌಲ್ಯಯುತ ಜೀವನವಿಧಾನವನ್ನು ಅನುಸರಿಸುತ್ತಾರೆ.

CO 4: ಕನ್ನಡ ಸಾಹಿತ್ಯದ ವಿವಿಧ ಪ್ರಕಾರಗಳನ್ನು ಓದುತ್ತಾರೆ.

Course Articulation Matrix – 22KAN403

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	3	3	3	3	2	3	3	3	2	1	-	3
CO 2	3	3	3	2	3	3	2	3	2	2	3	3
CO 3	3	3	3	2	2	3	2	3	2	2	1	3
CO 4	3	3	2	2	1	3	-	3	2	2	1	3
Weighted Average	3	3	2.75	2.25	2	3	2.33	3	2	1.75	1.66	3

ಸೆಮಿಸ್ಟರ್ - 3

Course Code: 22KAN304	Course Title: ಕನ್ನಡಭಾಷೆ - 3
Course Credits (L:T:P): 03 (2:1:0)	Hours of Teaching/Week: 02 (Theory) + 02 (Tutorials)
Total Contact Hours: 56 Hours	Formative Assessment Marks: 40
Exam Duration: 2 $\frac{1}{2}$ Hours	Semester End Examination Marks: 60

Course Outcomes

- CO 1:** ಸಾಮಾಜಿಕ ಸಾಮರಸ್ಯವನ್ನು ಬೆಳೆಸಿಕೊಳ್ಳುವರು.
- CO 2:** ಮೌಢ್ಯತೆ ಬಿಟ್ಟು, ವೈಚಾರಿಕ ದೃಷ್ಟಿಕೋನ ಬೆಳೆಸಿಕೊಳ್ಳುತ್ತಾರೆ.
- CO 3:** ಸೃಜನಶೀಲ, ಕೌಶಲ್ಯಯುತ, ಸುಸಂಸ್ಕೃತ ಬದುಕನ್ನು ರೂಢಿಸಿಕೊಳ್ಳುತ್ತಾರೆ.
- CO 4:** ಅಹಿಂಸೆ, ಭ್ರಾತೃತ್ವ, ಸಹಬಾಳ್ವೆಯನ್ನು ಕಲಿಯುತ್ತಾರೆ.

Course Articulation Matrix - 22KAN304

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	3	3	3	2	2	3	2	3	3	3	2	3
CO 2	3	3	3	3	2	3	3	3	2	2	1	3
CO 3	3	3	3	3	3	3	-	3	2	2	3	3
CO 4	3	3	3	2	2	3	3	3	2	2	2	3
Weighted Average	3	3	3	2.5	2.25	3	2.66	3	2.25	2.25	2	3

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ಸೆಮಿಸ್ಟರ್ - 4

Course Code: 22KAN404	Course Title: ಕನ್ನಡಭಾಷೆ - 4
Course Credits (L:T:P): 03 (2:1:0)	Hours of Teaching/Week: 02 (Theory) + 02 (Tutorials)
Total Contact Hours: 56 Hours	Formative Assessment Marks: 40
Exam Duration: 2 $\frac{1}{2}$ Hours	Semester End Examination Marks: 60

Course Outcomes

CO 1: ಯುದ್ಧವಿರೋಧಿ ಮನೋಭಾವವನ್ನು ರೂಢಿಸಿಕೊಳ್ಳುತ್ತಾರೆ.

CO 2: ದೇಶಪ್ರೇಮವನ್ನು ಬೆಳೆಸಿಕೊಳ್ಳುತ್ತಾರೆ.

CO 3: ನೆಮ್ಮದಿಯುತ ಬದುಕನ್ನು ರೂಢಿಸಿಕೊಳ್ಳುವರು.

CO 4: ವಿಜ್ಞಾನ, ಸಂಶೋಧನೆ, ತಂತ್ರಜ್ಞಾನದ ಅರಿವನ್ನು ಪಡೆಯುತ್ತಾರೆ.

Course Articulation Matrix - 22KAN404

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	3	3	3	2	2	3	3	3	2	3	-	3
CO 2	3	3	3	2	2	3	2	3	2	3	2	3
CO 3	3	3	3	3	3	3	-	3	2	3	1	3
CO 4	3	3	3	2	3	3	-	3	3	3	3	3
Weighted Average	3	3	3	2.25	2.5	3	2.5	3	2.25	3	2	3

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ಸೆಮಿಸ್ಟರ್ - 3

Course Code: 22KAN305	Course Title: ಕನ್ನಡಭಾಷೆ - 3
Course Credits (L:T:P): 03 (2:1:0)	Hours of Teaching/Week: 02 (Theory) + 02 (Tutorials)
Total Contact Hours: 56 Hours	Formative Assessment Marks: 40
Exam Duration: 2 $\frac{1}{2}$ Hours	Semester End Examination Marks: 60

Course Outcomes

CO 1: ದೈನಂದಿನ ಜೀವನದಲ್ಲಿ ಶಾಂತಿಯುತ ನೆಮ್ಮದಿಯ ಬದುಕನ್ನು ರೂಪಿಸಿಕೊಳ್ಳುವರು.

CO 2: ಸೌಹಾರ್ದಯುತ ಸಾಮಾಜಿಕ ಜೀವನ ವಿಧಾನವನ್ನು ರೂಢಿಸಿಕೊಳ್ಳುತ್ತಾರೆ.

CO 3: ಸ್ವಾತಂತ್ರ್ಯ ಪದದ ಅರ್ಥವ್ಯಾಪ್ತಿಯನ್ನು ಅರಿತು, ಸ್ವಾತಂತ್ರ್ಯದ ಆಶೋತ್ತರಗಳನ್ನು ಪಾಲಿಸುತ್ತಾರೆ.

CO 4: ಹಳಗನ್ನಡ ಮತ್ತು ನಡುಗನ್ನಡ ಕಾಲದ ಕವಿಗಳು ಮತ್ತು ಸಾಹಿತ್ಯವನ್ನು ಓದುವರು.

Course Articulation Matrix - 22KAN305

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	3	3	3	2	2	3	3	3	1	1	1	3
CO 2	3	3	3	2	2	3	-	3	2	2	2	3
CO 3	3	3	3	2	3	3	3	3	2	3	3	3
CO 4	3	3	3	2	2	3	3	3	2	2	3	3
Weighted Average	3	3	3	2	2.25	3	3	3	1.75	2	2.25	3

ಬಿ.ಸಿ.ಎ.

ಸೆಮಿಸ್ಟರ್-4

Course Code: 22KAN405	Course Title: ಕನ್ನಡಭಾಷೆ - 4
Course Credits (L:T:P): 03 (2:1:0)	Hours of Teaching/Week: 02 (Theory) + 02 (Tutorials)
Total Contact Hours: 56 Hours	Formative Assessment Marks: 40
Exam Duration: 2½ Hours	Semester End Examination Marks: 60

Course Outcomes

CO 1: ಉತ್ತಮ ನಾಗರಿಕರಾಗಿ ತಮ್ಮ ಕರ್ತವ್ಯಗಳನ್ನು ಪಾಲಿಸುತ್ತಾರೆ.

CO 2: ಮನುಕುಲದ ಅಭಿವೃದ್ಧಿಗೆ ಒತ್ತು ನೀಡುವರು.

CO 3: ಕರುಣಾಮಯಿ ಗುಣವನ್ನು ಬೆಳೆಸಿಕೊಳ್ಳುವರು.

CO 4: ಕನ್ನಡ ಸಾಹಿತ್ಯದ ವಿವಿಧ ಪ್ರಕಾರಗಳ ಪರಿಚಯವಾಗುತ್ತದೆ.

Course Articulation Matrix - 22KAN405

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	3	3	3	2	2	3	2	3	2	2	2	3
CO 2	3	3	3	2	2	3	3	3	2	2	1	3
CO 3	3	3	3	2	-	3	3	3	2	2	2	3
CO 4	3	3	3	2	1	3	3	3	2	2	1	3
Weighted Average	3	3	3	2	1.66	3	2.75	3	2	2	1.5	3

ಕನ್ನಡ ಮುಕ್ತ ಆಯ್ಕೆ (OE)

ಸೆಮಿಸ್ಟರ್ - 3

Course Code: 22OEKAN301	Course Title: ಆಧುನಿಕ ಪೂರ್ವ ಕನ್ನಡ ಸಾಹಿತ್ಯ ಪರಿಚಯ ಮತ್ತು ಪಠ್ಯ
Course Credits (L:T:P): 03 (3:0:0)	Hours of Teaching/Week: 03 (Theory)
Total Contact Hours: 42 Hours	Formative Assessment Marks: 40
Exam Duration: 2½ Hours	Semester End Examination Marks: 60

Course Outcomes

CO 1: ಕನ್ನಡ ಸಾಹಿತ್ಯದ ಪ್ರಾಚೀನತೆಯ ಪರಿಚಯವಾಗುತ್ತದೆ.

CO 2: ಪ್ರಾಚೀನ ಕನ್ನಡ ಕವಿಗಳ ಕಾವ್ಯಗಳನ್ನು ಓದುವನ್ನು ಕಲಿಯುತ್ತಾರೆ.

CO 3: ವಚನ ಸಾಹಿತ್ಯದ ಮಹತ್ವವನ್ನು ತಿಳಿಯುತ್ತಾರೆ.

CO 4: ಭಾಗವತ ಸಾಹಿತ್ಯದ ಮಹತ್ವವನ್ನು ತಿಳಿಯುತ್ತಾರೆ.

Course Articulation Matrix - 22OEKAN301

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	3	3	2	3	3	2	3	3	3	3	3	2
CO 2	3	3	3	2	2	3	3	2	2	2	3	2
CO 3	3	1	1	2	2	1	1	2	1	1	1	2
CO 4	3	2	1	2	1	1	1	2	1	2	1	2
Weighted Average	3	2.25	1.75	2.25	2	2	2	2.25	1.75	2	2	2

ಕನ್ನಡ ಮುಕ್ತ ಆಯ್ಕೆ (OE)

ಸೆಮಿಸ್ಟರ್ - 4

Course Code: 22OEKAN401	Course Title: ಆಧುನಿಕ ಕನ್ನಡ ಸಾಹಿತ್ಯ ಪರಿಚಯ ಮತ್ತು ಪಠ್ಯ
Course Credits (L:T:P): 03 (3:0:0)	Hours of Teaching/Week: 03(Theory)
Total Contact Hours: 42 Hours	Formative Assessment Marks: 40
Exam Duration: 2 $\frac{1}{2}$ Hours	Semester End Examination Marks: 60

Course Outcomes

- CO 1:** ಆಧುನಿಕ ಕನ್ನಡ ಸಾಹಿತ್ಯದಲ್ಲಿ ನವೋದಯ ಸಾಹಿತ್ಯದ ವಿಶಿಷ್ಟತೆಯನ್ನು ಅರಿಯುವರು.
- CO 2:** ಆಧುನಿಕ ಕನ್ನಡ ಸಾಹಿತ್ಯದಲ್ಲಿ ಪ್ರಗತಿಶೀಲ ಮತ್ತು ನವ್ಯ ಸಾಹಿತ್ಯದ ಪ್ರಭಾವದ ಪರಿಚಯವಾಗುತ್ತದೆ.
- CO 3:** ಕನ್ನಡ ದಲಿತ ಬಂಡಾಯ ಸಾಹಿತ್ಯದ ಧೋರಣೆಗಳನ್ನು ತಿಳಿದುಕೊಳ್ಳುವರು.
- CO 4:** ಕನ್ನಡ ಮಹಿಳಾ ಸಾಹಿತ್ಯದ ಮಹತ್ವವನ್ನು ಅರಿಯುತ್ತಾರೆ.

Course Articulation Matrix - 22OEKAN401

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	3	3	3	2	3	2	3	3	3	2	2	2
CO 2	3	2	3	2	3	3	3	3	2	3	3	2
CO 3	3	2	1	2	1	2	1	2	1	2	1	2
CO 4	3	2	2	2	2	1	2	1	2	1	2	2
Weighted Average	3	2.25	2.25	2	2.25	2	2.25	3	2	2	2	2

DEPARTMENT OF SANSKRIT

AECC (1) Syllabus for BA/BSc/BCA SANSKRIT

Semester I

Course Code: BA/BSc/BCA – 21SAN109	Course Type & Title: AECC(1) Sanskrit Poetry, Grammar and Comprehension
Course Credits (L:T:P): 3 (2:1:0)	No. of Teaching Hours/Week: 02 Hours (Theory) 02 Hours (Tutorials)
Total Contact Hours: 28 Hours (Theory) 28 Hours (Tutorials)	Formative Assessment Marks: 40
Exam Duration: 2½ Hours	Semester End Examination Marks: 60

Course Outcomes (COs):

CO1: Appreciate the Development of Sanskrit poetry Literature .

CO2: Qualities of Rama for Personality Development .

CO3: Character of Rama special features of Rama katha as Described in the Balakanda of Valmiki Ramayana.

CO4: Vocabulary building is helpful in Sanskrit sentences. Karakas Role in Sanskrit sentences.

Course Articulation Matrix –21SAN109

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	2	2	1	1	1	2	1	3	2	2	1	2
CO 2	2	2	1	1	1	2	1	3	2	2	1	2
CO 3	2	2	1	1	1	2	1	3	2	2	1	2
CO 4	2	2	1	1	1	1	1	-	1	2	1	2
Weighted Average	2	2	1	1	1	1.75	1	2.22	1.25	2	1	2

AECC (2) Syllabus for BA/BSc/BCA SANSKRIT

Semester II

Course Code: BA/BSc/BCA - 21SAN209	Course Type & Title: AECC(2) Sanskrit Prose, Grammar and Translation
Course Credits (L:T:P): 3 (2:1:0)	No. of Teaching Hours/Week: 02 Hours (Theory) 02 Hours (Tutorials)
Total Contact Hours: 28 Hours (Theory) 28 Hours (Tutorials)	Formative Assessment Marks: 40
Exam Duration: 2½ Hours	Semester End Examination Marks: 60

Course Outcomes (COs):

CO1: Know the origin and development of Sanskrit Prose literature.

CO2: Know the Gist and message of Adi Parva

CO3: Know about content and message of Sabha Parva.

CO4: Apply the laws of sandhi (euphonic combinations) in a Sanskrit passage. Gender place an Important Role in the Formation of sentences.

Course Articulation Matrix – 21SAN209

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	2	2	1	1	1	2	1	3	2	2	1	2
CO 2	2	2	1	1	1	2	1	3	2	2	1	2
CO 3	2	2	1	1	1	2	1	3	2	2	1	2
CO 4	2	2	1	1	1	1	1	-	1	2	1	2
Weighted Average	2	2	1	1	1	1.75	1	2.22	1.25	2	1	2

AECC (1) Syllabus for B.Com/BBA/BBA(H&H) BBA (Avi&In.Tour) SANSKRIT

Semester I

Course Code: BCom/BBA (All) – 21SAN110	Course Title: AECC(1) Sanskrit Poetry, Grammar and Comprehension
Course Credits (L:T:P): 3 (2:1:0)	No. of Teaching Hours/Week: 02 Hours (Theory) 02 Hours (Tutorials)
Total Contact Hours: 28 Hours (Theory) 28 Hours (Tutorials)	Formative Assessment Marks: 40
Exam Duration: 2½ Hours	Semester End Examination Marks: 60

Course Outcomes (COs):

CO1: Appreciate the Development of Sanskrit poetry Literature .

CO2: Glimpses of the Karmayoga — The lesson incorporated in the Bhagavad Gita. Needless to say it is one of the most comprehensive tests of all literature that gives mankind the knowledge of highmoral lesson and helps them find out the right path as Arjuna got it.

CO3: Importance of Karmayoga in Life as Described in Bhagavadgeeta

CO4: Vocabulary building is helpful in Sanskrit sentences. Karakas Role in Sanskrit sentences.

Course Articulation Matrix – 21SAN110

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	2	3	1	1	1	2	1	3	2	2	1	2
CO 2	2	3	1	1	1	2	1	3	2	2	1	2
CO 3	2	3	1	1	1	2	1	3	2	2	1	2
CO 4	2	-	1	1	1	1	1	-	1	2	1	2
Weighted Average	2	2.2	1	1	1	1.75	1	2.22	1.25	2	1	2

AECC (2) Syllabus for B.Com/BBA/BBA(H&H) BBA (Avi&In.Tour)

SANSKRIT Semester II

Course Code: BCom/BBA (All)– 21SAN210	Course Type & Title: AECC(2) Sanskrit Prose, Grammar and Translation
Course Credits (L:T:P): 3 (2:1:0)	No. of Teaching Hours/Week: 02 Hours (Theory) 02 Hours (Tutorials)
Total Contact Hours: 28 Hours (Theory) 28 Hours (Tutorials)	Formative Assessment Marks: 40
Exam Duration: 2½ Hours	Semester End Examination Marks: 60

Course Outcomes (COs):

CO1: Introduction and specialties of Sanskrit Prose Literature .

CO2: Know the Gist and message of Udyogaparva .

CO3: Know about content and message of Bheeshmaparva .

CO4: Apply the laws of sandhi (euphonic combinations) in a Sanskrit passage. Gender place an Important Role in the Formation of sentences .

Course Articulation Matrix – 21SAN210

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	2	2	1	1	1	2	1	3	2	2	1	2
CO 2	2	2	1	1	1	2	1	3	2	2	1	2
CO 3	2	2	1	1	1	2	1	3	2	2	1	2
CO 4	1	2	1	1	1	1	1	-	1	2	1	2
Weighted Average	1.75	2	1	1	1	1.75	1	2.22	1.25	2	1	2

AECC (3) Syllabus for BA/Bsc/BCA SANSKRIT

Course Code: BA/BSc/BCA – 22SAN309	Course Type & Title: AECC(3) Sanskrit Champu Kavya and Grammer
Course Credits (L:T:P): 3 (2:1:0)	No. of Teaching Hours/Week: 02 Hours (Theory) 02 Hours (Tutorials)
Total Contact Hours: 28 Hours (Theory) 28 Hours (Tutorials)	Formative Assessment Marks: 40
Exam Duration: 2½ Hours	Semester End Examination Marks: 60

Course Outcomes (COs):

CO1:. Know about origin and Development of Sanskrit champu kavyas

CO2: Goal for the future, Ability to take right Decisions, Ability to face downs in life, Maintain and follow Great Traditions of Indian Society.

CO3:. Understanding conceptS.

CO4:. Understanding the technique of chandass

Course Articulation Matrix –22SAN309

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	2	2	1	1	1	2	1	3	2	2	2	2
CO 2	2	2	1	1	1	2	1	3	2	2	2	2
CO 3	2	2	1	1	1	2	1	3	2	2	2	2
CO 4	2	2	1	1	1	1	1	-	1	2	2	2
Weighted Average	2	2	1	1	1	1.75	1	2.22	1.25	2	2	2

AECC (3) Syllabus for B.Com/BBA/BBA(H&H) BBA (AIR& TR)SANSKRIT

Course Code: BCom/BBA (All) – 22SAN310	Course Type & Title: AECC(3) Sanskrit Champu Kavya and Grammer
Course Credits (L:T:P): 3 (2:1:0)	No. of Teaching Hours/Week: 02 Hours (Theory) 02 Hours (Tutorials)
Total Contact Hours: 28 Hours (Theory) 28 Hours (Tutorials)	Formative Assessment Marks: 40
Exam Duration: 2½ Hours	Semester End Examination Marks: 60

Course Outcomes (COs):

CO1:. Know about origin and Development of Sanskrit champu kavyas

CO2:Goal for the future, Ability to take right Decisions, Ability to face downs in life,Maintain and follow Great Traditions of Indian Society.

CO3:Understanding concepts

CO4:Know about Alankara (figures of speech)

Course Articulation Matrix – 22SAN310

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	2	2	1	1	1	2	1	3	2	2	1	2
CO 2	2	2	1	1	1	2	1	3	2	2	1	2
CO 3	2	2	1	1	1	2	1	3	2	2	1	2
CO 4	2	2	1	1	1	1	1	-	1	2	1	2
Weighted Average	2	2	1	1	1	1.75	1	2.22	1.25	2	1	2

AECC (4) Syllabus for BA/Bsc/BCA SANSKRIT

Course Code: BA/BSc/BCA – 22SAN409	Course Type & Title: AECC(4) Sanskrit Drama and Dramaturgy and ष्टः
Course Credits (L:T:P): 3 (2:1:0)	No. of Teaching Hours/Week: 02 Hours (Theory) 02 Hours (Tutorials)
Total Contact Hours: 28 Hours (Theory) 28 Hours (Tutorials)	Formative Assessment Marks: 40
Exam Duration: 2½ Hours	Semester End Examination Marks: 60

Course Outcomes (COs):

CO1: Know about origin and Development of Sanskrit Drama

CO2: Grasp about Enacting Drama, one should become the actor, Knowing Great Indian Traditions and Heritage .Art and Architecture. Culture. Believes. Character Building, Analyze and adopt the good Character in the life, Develop a New Ideas. Inculcate Communication Skills.

CO3: Understanding concepts

CO4: Understanding the technique of chandass

Course Articulation Matrix – 22SAN409

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	P O 10	P O 11	P O 12
CO 1	2	2	1	1	1	2	1	3	2	2	1	2
CO 2	2	2	1	1	1	2	1	3	2	2	1	2
CO 3	2	2	1	1	1	2	1	3	2	2	1	2
CO 4	2	2	1	1	1	1	1	-	1	2	1	2
Weighted Average	2	2	1	1	1	1.75	1	2.22	1.25	2	1	2

AECC (4) Syllabus for B.Com/BBA/BBA(H&H) BBA (AIR& TR)SANSKRIT

Course Code BCom/BBA (All) – 22SAN410	Course Type & Title: AECC(4) Sanskrit Drama and Dramaturgy and षुः
Course Credits (L:T:P): 3 (2:1:0)	No. of Teaching Hours/Week: 02 Hours (Theory) 02 Hours (Tutorials)
Total Contact Hours: 28 Hours (Theory) 28 Hours (Tutorials)	Formative Assessment Marks: 40
Exam Duration: 2½ Hours	Semester End Examination Marks: 60

Course Outcomes (COs):

CO1:. Know about origin and Development of Sanskrit Drama

CO2: Grasp about Enacting Drama, one should become the actor, Knowing Great Indian Traditions and Heritage .Art and Architecture. Culture. Believes. Character Building, Analyze and adopt the good Character in the life, Develop a New Ideas. Inculcate Communication Skills.

CO3: Understanding concepts

CO4:Understanding the technique of chandass

Course Articulation Matrix – 22SAN410

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	2	2	1	1	1	2	1	3	2	2	1	2
CO 2	2	2	1	1	1	2	1	3	2	2	1	2
CO 3	2	2	1	1	1	2	1	3	2	2	1	2
CO 4	2	2	1	1	1	1	1	-	1	2	1	2
Weighted Average	2	2	1	1	1	1.75	1	2.22	1.25	2	1	2

DEPARTMENT OF ENVIRONMENTAL SCIENCE

Program Outcome (PO) Attributes

PO1	Domain Knowledge
PO2	Problem Analysis
PO3	Design and Development of Solutions
PO4	Investigation & Research
PO5	Use of Modern Techniques/Tools
PO6	Impact on Society
PO7	Environment and Sustainability
PO8	Moral and Ethical Values
PO9	Individual and Team Work with Time Management
PO10	Communication
PO11	Project Management and Finance
PO12	Life-long Learning

Course Code: 21EVSF26	Course Title: Environmental Studies
Course Credits: 02 (2:0:0)	Hours of Teaching/Week: 2 Hour (Theory)
Total Contact Hours: 28 Hours (Theory) 4 Hours (Field visit)	Formative Assessment Marks: 20
Exam Duration: 1 Hour 30 Minutes(Theory)	Semester End Examination Marks: 30

COURSE OUTCOMES (COs):

CO 1: Imbibe ecological perspective and value of environment, along with significance of various natural resources and its management.

CO 2: Analyze and Implement biodiversity techniques and pollution concepts.

CO 3: Analyze global environmental problems and design possible solutions for sustainable development.

Course Articulation Matrix - 21EVSF26

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	PO 11	PO 12
CO1	3	1	-	1	1	2	3	2	1	2	-	3
CO2	3	2	1	2	2	2	3	3	2	2	1	3
CO3	3	2	1	1	2	2	3	3	3	2	1	3
Wt. Avg	3	1.6	1	1.3	1.6	2	3	2.6	2	2	1	3

ABILITY ENHANCEMENT COMPULSORY COURSE: AECC for All Courses

NOTE: This Papers will be handled by the Department of Environmental Science for all I /II Semester B.Com./B.B.A/B.Sc/B.A./BCA

Course Code: 21EVSF26	Course Title: Environmental Studies
Course Credits: 03 (3:0:0)	Hours of Teaching/Week: 3 Hour (Theory)
Total Contact Hours: 45 Hours (Class room based and Field work)	Formative Assessment Marks: 40
Exam Duration: 2 Hour 30 Minutes(Theory)	Semester End Examination Marks: 60

COURSE OUTCOMES (COs):

CO 1: Imbibe ecological perspective and value of environment, along with significance of various natural resources and its management.

CO 2: Analyze and Implement biodiversity techniques and pollution concepts.

CO3: Analyze global environmental problems and design possible solutions for sustainable development.

Course Articulation Matrix – 22EVSF26

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	PO 11	PO 12
CO1	2	1	-	1	1	2	3	2	1	2	-	3
CO2	3	2	1	2	2	2	3	3	2	2	1	3
CO3	2	2	1	1	2	2	3	3	3	2	1	3
Wt. Avg	2.33	1.7	1	1.33	1.7	2	3	2.7	2	2	1	3

DEPARTMENT OF LAW AND CONSTITUTION OF INDIA

Program Outcome (PO) Attributes

- PO 1: Domain Knowledge**
- PO 2: Problem Analysis**
- PO 3: Design and Development of Solutions**
- PO 4: Investigation & Research**
- PO 5: Use of Modern Techniques/Tools**
- PO 6: Domain and Society**
- PO 7: Environment and Sustainability**
- PO 8: Moral and Ethical Values**
- PO 9: Individual and Team Work**
- PO 10: Communication**
- PO 11: Project Management and Finance**
- PO 12: Life-long Learning**

**AECC Syllabus for All Programs
Semester III/IV**

Course Code: 22COIS23	Course Title: AECC - India and Indian Constitution
Course Credits: 03 (3:0:0)	Hours of Teaching/Week: 3 Hour (Theory)
Total Contact Hours: 45 Hours	Formative Assessment Marks: 40
Exam Duration: 2 Hour 30 Minutes	Semester End Examination Marks: 60

Course Outcomes (COs):

CO 1: Acquire knowledge on Indian Constitution, Preamble and Salient features of Indian Constitution and Fundamental Duties & Rights of an Indian Citizen. Also, inculcate the habit of practicing the same.

CO 2: Identify the Powers and Functions of Union Government (Indian), State Government (Indian) and its members.

CO 3: Analyze and implement roles and responsibility of the Indian Judiciary System and the Indian Election Commission.

Course Articulation Matrix – 22COIS23

CO/PO	P O 1	P O 2	P O 3	P O 4	P O 5	P O 6	P O 7	P O 8	P O 9	P O 10	P O 11	PO 12
CO 1	2	2	1	1	3	3	2	3	3	3	3	1
CO 2	2	3	1	3	3	2	3	3	3	2	2	3
CO 3	3	1	1	3	3	2	2	3	3	1	3	3
WA	2.33	2	1	2.33	3	2.33	2.33	3	3	2	2.66	2.33

Program Outcome (PO) Attributes for Physical Education, NCC, NSS, RR.

PO 1: Domain Knowledge

PO 2: Problem Analysis

PO 3: Design and Development of Solutions

PO 4: Investigation & Research

PO 5: Use of Modern Techniques/Tools

PO 6: Impact on Society

PO 7: Environment and Sustainability

PO 8: Moral and Ethical Values

PO 9: Individual and Team Work with Time Management

PO 10: Communication

PO 11: Project Management and Finance

PO 12: Life-long Learning

DEPARTMENT OF PHYSICAL EDUCATION

Semester-I/II

Skill Enhancement Courses (SEC-1)

Course Code: 21SPO94	Course Title: Physical Education and Sports
Course Credits (L:T:P): 01 (0:0:1)	Teaching Hours/Week: 02 Hours
Total Contact Hours: 28 Hours	Formative Assessment Marks: 10
Exam Duration: 1 Hour (Practical)	Semester End Examination Marks: 15

Course Outcome (CO): Plan, organize and execute sports events.

Course Articulation Matrix – 21SPO94

CO/ PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	1	1	1	1	2	1	1	2	1	2	1	2
Wt. Avg.	1	1	1	1	2	1	1	2	1	2	1	2

Semester- I/II

Skill Enhancement Courses

Course Code: 22HWY94	Course Title: Health, Wellness and Yoga
Course Credits (L:T:P): 02 (0:0:2)	Teaching Hours/Week: 04 Hours
Total Contact Hours: 56 Hours	Formative Assessment Marks: 20
Exam Duration: 1 Hour (Practical)	Semester End Examination Marks: 30

Course Outcomes:

CO1 – Enhance the dimensions of health and wellness in coping with stress.

CO2 – Inculcate the knowledge of various exercises.

CO3- Assimilate the knowledge of Physical Education and Yoga.

Course Articulation Matrix – 22HWY94

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	3	1	1	2	3	3	1	2	3	3	1	2
CO2	3	1	1	2	3	3	1	2	3	3	1	2
CO3	1	1	1	2	1	3	1	2	2	3	1	2
Wt. Avg.	2.33	1	1	2	2.33	3	1	2	2.66	3	1	2

DEPARTMENT OF NCC

Semester-I/II/III/IV

Skill Enhancement Courses (SEC)

Course Code: 21NCC94	Course Title: NCC
Course Credits (L:T:P): 01 (0:0:1)	Teaching Hours/Week: 02 Hours
Total Contact Hours: 28 Hours	Formative Assessment Marks: 10
Exam Duration: 1 Hour (Practical)	Semester End Examination Marks: 15

Course Outcomes:

CO1: Acquire the concept of NCC

CO2: Improvised Outlook and Turnout

CO3: Work for the Social Well Being

Course Articulation Matrix – 21NCC94

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	-	-	-	1	2	2	2	2	2	-	2
CO2	2	1	1	-	-	1	1	2	3	2	1	2
CO3	2	1	1	1	1	2	2	2	3	2	1	2
Wtd. Avg.	2	1	1	1	1	1.6	1.6	2	2.6	2	1	2

Semester-I/II/III/IV

Skill Enhancement Courses (SEC)

Course Code: 22NCC94	Course Title: NCC
Course Credits (L:T:P): 02 (0:0:2)	Teaching Hours/Week: 04 Hours
Total Contact Hours: 56 Hours	Formative Assessment Marks: 25
Exam Duration: 1 Hour (Practical)	Semester End Examination Marks: 25

Course Outcomes:

CO1: Acquire the concept of NCC

CO2: Improvised Outlook and Turnout

CO3: Work for the Social Well Being

Course Articulation Matrix – 22NCC94

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	-	-	-	1	2	2	2	2	2	-	2
CO2	2	1	1	-	-	1	1	2	3	2	1	2
CO3	2	1	1	1	1	2	2	2	3	2	1	2
Wtd. Avg.	2	1	1	1	1	1.6	1.6	2	2.6	2	1	2

DEPARTMENT OF NATIONAL SERVICE SCHEME

Semester-I/II/III/IV Semester Skill Enhancement Course

Course Code: 21NSS94	Course Title: National Service Scheme (NSS)
Course Credits (L:T:P): 01 (0:0:1)	Teaching Hours/Week: 02 Hours
Total Contact Hours: 28 Hours	Formative Assessment: 10 Marks
Exam Duration: 1 Hour (Practical)	Semester End Examination: 15 Marks

Course Outcomes:

CO1: Acquire the fundamentals concept of NSS

CO2: Understand the Volunteerism & Organization structure of NSS

CO3: Appreciate the culture of Campus Activities, Shramadhan and Awareness Program and its Benefits through working as a team or group.

CO4: Develop overall personality of volunteers, Off Campus Activities and make them as leaders and responsible Citizens of our nation

Course Articulation Matrix- 21NSS94

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	2	2	-	1	3	3	2	3	2	1	3
CO2	1	2	1	1	-	3	3	3	3	2	1	2
CO3	2	2	2	1	-	3	3	3	3	2	1	3
CO4	2	3	1	1	1	3	3	3	3	3	2	3
Weighted Average	1.75	2.25	1.5	1	1	3	3	2.75	3	2.25	1.25	2.75

Semester-I/II/III/IV Semester Skill Enhancement Course

Course Code: 22NSS94	Course Title: National Service Scheme (NSS)
Course Credits (L:T:P): 02 (0:0:2)	Teaching Hours/Week: 04 Hours
Total Contact Hours: 56 Hours	Formative Assessment: 20 Marks
Exam Duration: 1 Hour (Practical)	Semester End Examination: 30 Marks

Course Outcomes:

CO1: Acquire the fundamentals concept of NSS

CO2: Understand the Volunteerism & Organization structure of NSS

CO3: Appreciate the culture of Campus Activities, Shramadhan and Awareness Program and its Benefits through working as a team or group.

CO4: Develop overall personality of volunteers, Off Campus Activities and make them as leaders and responsible Citizens of our nation.

Course Articulation Matrix- 22NSS94

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	2	2	-	1	3	3	2	3	2	1	3
CO2	1	2	1	1	-	3	3	3	3	2	1	2
CO3	2	2	2	1	-	3	3	3	3	2	1	3
CO4	2	3	1	1	1	3	3	3	3	3	2	3
Weighted Average	1.75	2.25	1.5	1	1	3	3	2.75	3	2.25	1.25	2.75

DEPARTMENT OF RANGERS AND ROVERS

Skill Enhancement Courses (SEC): for semester I/II/III/IV

SEC Module

Course Code: 22RNR94	Course Title: Rangers and Rovers
Course Credits: 02 (0:0:2)	Hours of Teaching/Week: 4 Hour (Practical)
Total Contact Hours: 56 Hours	Formative Assessment Marks: 20
Exam Duration: 1 Hour (Practical)	Semester End Examination Marks: 30

Course Outcomes:

CO1: Assimilate the knowledge and inculcate the Leadership, good manners and ideals of disciplined responsible young citizens.

Course Articulation Matrix – 22RNR94

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	1	1	1	1	2	3	3	2	2	1	2
Weighted Average	2	1	1	1	1	2	3	3	2	2	1	2

DEPARTMENT OF BUSINESS ADMINISTRATION (AIT)

POs	Programme Outcomes (POs)
PO1	Domain knowledge: Acquire knowledge of management theories and practices with special focus on professional aspects related to tourism and aviation sectors.
PO2	Problem analysis: Identify, formulate and analyze complex business problems in a structured approach to focus upon real issues.
PO3	Design/development of solutions: Developing solutions by using critical thinking and analytical reasoning with appropriate qualitative, quantitative techniques and software applications in solving business and research problems.
PO4	Investigation and research: Implementation of research methods to investigate specific business problems and draw conclusions.
PO5	Use of modern techniques/tools: Ability to analyze and interpret data using mathematical, statistical, ICT and risk management techniques to solve business problems.
PO6	Business and Society: Entrepreneurs/Managers with socio-economic value system.
PO7	Environment and Sustainability: Contemplate and Introspect prevailing environmental challenges and channelize inclination towards sustainable development.
PO8	Moral and Ethical values: Assimilate ethical, value based leadership skills and moral principles.
PO9	Individual and Team work: Ability to perform as an individual or leader in diverse settings.
PO10	Communication and leadership skills: Harness communication and leadership skills effectively to adapt to the growing business world.
PO11	Project management and Finance: Design methods and process; apply skills and knowledge to complete projects in accordance with project acceptance criteria and financial considerations.
PO12	Lifelong Learning: Evolve and improve as an individual by updating knowledge to enable oneself to thrive in social and professional life.
PSOs	Programme Specific Outcomes (PSOs)
PSO1	Equip with needed skills, abilities and competencies to explore in different roles in the industry

DSC (1) - Foundation course in food production I

Semester I

Course Code: 216129

Course Title:

DSC(1) - Foundation course in food production I

DSC(1) Lab : Foundation course in food production I

Course Credits:05 (3:0:2)

Hours of Teaching/Week: 03 (Theory) + 04 (Practical)

Total Contact Hours: 42 Hours (Theory)
56 Hours (Practical)

Formative Assessment Marks: 40 (Theory)
25 (Practical)

Exam Duration: 2 ½ Hours (Theory)
3 Hours (Practical)

Semester End Examination Marks:
60 (Theory)
25 (Practical)

Course Outcomes (COs):

CO1: Establish and maintain high standard of sanitation, behavior, attitude, and safety procedures.

CO2: Develop basic discipline and respect towards higher hierarchy along with basic nomenclatures.

CO3: Explain the characteristics, functions of food sources of the major nutrients and understand/demonstrate nutritional cooking methods including how to maximize nutrient Retentions.

CO4: Understand how the food is cooked in different styles suiting the requirements, differences in growing practices and how to prepare a seasonal menu.

CO5: Develop skills integral to success in the food industry including different kinds of food preparations.

Course Articulation Matrix - 216129

COs / POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO 11	PO 12	PSO1
CO 1	2	1	1	1	1	1	2	1	1	2	1	2	2
CO 2	2	2	2	2	1	2	2	2	2	2	2	1	2
CO 3	2	1	2	2	1	2	1	2	1	1	1	2	2
CO 4	2	2	2	1	1	1	1	1	2	1	3	1	2
CO 5	3	2	1	1	1	2	1	2	2	2	1	2	3
WA	2.1	1.8	1.6	1.5	1	1.8	1.8	1.6	1.5	1.8	1.8	1.6	2.1

DSC (2) Foundation Course in Food and Beverage Service-I

Semester I

Course Code: 216130

Course Title:

DSC(2) - Foundation Course in Food and Beverage Service-I

DSC(2) Lab : Foundation Course in Food and Beverage Service-I

Course Credits:05 (3:0:2)

Hours of Teaching/Week: 03 (Theory) + 04 (Practical)

Total Contact Hours: 42 Hours (Theory)
56 Hours (Practical)

Formative Assessment Marks: 40 (Theory)
25 (Practical)

Exam Duration: 2 ½ Hours (Theory)
3 Hours (Practical)

Semester End Examination Marks:
60 (Theory)
25 (Practical)

Course Outcomes

- CO1: Acquire knowledge on the concepts of hospitality industry, basics of food and beverage service.
- CO2: Learn different organization structure and several job opportunities in each department and respective sub departments.
- CO3: Familiarize with different food and beverage outlets and ancillary department associated with it.
- CO4: Gain knowledge on different type of meals, different cuisines and sequence of courses of meals.
- CO5: Research and design on different means for different cuisines and meals.

Course Articulation Matrix - 216130

COs / POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO 9	PO 10	PO 11	PO 12	POS 1
CO 1	2	1	1	1	1	1	1	1	1	2	1	1	1
CO 2	2	2	2	1	1	1	2	2	2	2	1	2	2
CO 3	1	1	2	1	1	1	2	2	1	1	1	2	1
CO 4	2	2	2	2	2	1	1	2	1	3	1	1	2
CO 5	2	1	2	1	2	1	1	1	2	2	1	1	2
WA	1.8	1.4	1.8	1.2	1.4	1	1.4	1.6	1.4	2	1	1.4	1.6

DSC (3) Foundation course in front office

Semester I

Course Code: 216131

Course Title:

DSC(3) - Foundation course in front office
DSC(3) Lab : Foundation course in front office

Course Credits:05 (3:0:2)

Hours of Teaching/Week: 03 (Theory) + 04 (Practical)

Total Contact Hours: 42 Hours (Theory)
56 Hours (Practical)

Formative Assessment Marks: 40 (Theory)
25 (Practical)

Exam Duration: 2 ½ Hours (Theory)
3 Hours (Practical)

Semester End Examination Marks:
60 (Theory)
25 (Practical)

Course Outcomes: On successful completion of the course, the students will;

CO1: Acquire knowledge on the concepts of hospitality industry, basic of front office operations.

CO2: Learn different organization structure and several job opportunities in each department and respective sub departments.

CO3: Familiarize with different category of hotel classification, types of room, guests.

CO4: Gain knowledge on front office layouts, hierarchy and equipment.

CO5: To interpret and learn all the functions of front office in hotel.

Course Articulation Matrix - 216131

COs / POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO 12	PSO1
CO 1	2	1	1	1	1	1	1	1	1	2	1	1	1
CO 2	2	2	2	1	1	1	2	2	2	2	1	2	2
CO 3	2	1	2	1	1	1	2	2	1	1	1	2	2
CO 4	2	2	2	1	2	1	1	2	1	3	1	1	1
CO 5	2	3	2	1	2	1	1	1	2	2	1	1	1
WA	2.16	1.8	1.6	1	1.5	1	1.5	1.66	1.4	2	1	1.5	1.5

OE(1) Principles of Food Science

Semester I

Course Code: 21OEHNH101

Course Title: OE(1) Principles of Food Science

Course Credits: 03 (3:0:0)

Hours of Teaching/Week: 03 Hour (Theory)

Total Contact Hours: 42 Hours
(Theory)

Formative Assessment Marks:40

Exam Duration:2 ½ Hours

Semester End Examination Marks:60

Course Outcomes (COs):

CO 1: Able to know about the different pulses and legumes.

CO2: Able to know about various types of flesh foods and importance

CO 3: Able to know milk and milk products and cereals

CO4: Acquire knowledge about cereals and pulses

CO5: Analyse dairy products and its importance

Course Articulation Matrix – 21OEHNH101

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO1
CO 1	1	-	-	-	-	-	-	-	-	-	1	1	3
CO 2	2	-	-	-	-	-	-	-	-	-	2	2	3
CO 3	1	-	-	-	-	-	-	-	-	-	1	1	3
CO4	3	-	-	-	-	-	-	-	-	-	3	3	3
CO5	3	-	-	-	-	-	-	-	-	-	3	3	3
Weighted Average	2	-	-	-	-	-	-	-	-	-	2	2	3

DSC (4) Foundation course in Food Production II

Semester II

Course Code: 216229

Course Title:

DSC(4) - Foundation course in Food Production II

DSC(4) Lab : Foundation course in Food Production II

Course Credits:05 (3:0:2)

Hours of Teaching/Week: 03 (Theory) + 04 (Practical)

Total Contact Hours: 42 Hours (Theory)
56 Hours (Practical)

Formative Assessment Marks: 40 (Theory)
25 (Practical)

Exam Duration: 2 ½ Hours (Theory)
3 Hours (Practical)

Semester End Examination Marks:

60 (Theory)
25 (Practical)

Course Outcomes (COs):

CO1: Understand how the food is cooked in different styles suiting the requirements, differences in growing practices and how to prepare GSSS.

CO2: Develop basic discipline and respect towards better way of cooking along with basic methods.

CO3: Explain the characteristics, functions of spices of the major regions and understand/demonstrate nutritional cooking methods including how to maximize nutrient Retentions.

CO4: Understand how the dairy products are cooked in different styles suiting the requirements, differences in growing practices.

CO5: Develop basic knowledge to know how the food industry functions and different kinds of food preparation departments.

Course Articulation Matrix –216229

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1
CO 1	2	1	1	1	1	1	2	1	1	2	1	2	
CO 2	2	2	2	2	1	2	2	2	2	2	2	1	
CO 3	2	1	2	2	1	2	1	2	1	1	1	2	
CO 4	2	2	2	1	1	1	1	1	2	1	3	1	
CO 5	3	2	1	1	1	2	1	2	2	2	1	2	
Wtd. Avg.	2.1	1.8	1.6	1.5	1	1.8	1.8	1.6	1.5	1.8	1.8	1.6	

DSC (5) Foundation course in Food & Beverage Service II

Semester II

Course Code: 216230

Course Title:

DSC(5) - Foundation course in Food & Beverage Service II

DSC(5) Lab : Foundation course in Food & Beverage Service II

Course Credits:05 (3:0:2)

Hours of Teaching/Week: 03 (Theory) + 04 (Practical)

Total Contact Hours: 42 Hours (Theory)
56 Hours (Practical)

Formative Assessment Marks: 40 (Theory)
25 (Practical)

Exam Duration: 2 ½ Hours (Theory)
3 Hours (Practical)

Semester End Examination Marks:
60 (Theory)
25 (Practical)

Course Outcomes (COs):

CO1: Understand how the food is cooked in different styles suiting the requirements, differences in growing practices and how to prepare GSSS.

CO2: Develop basic discipline and respect towards better way of cooking along with basic methods.

CO3: Explain the characteristics, functions of spices of the major regions and understand/demonstrate nutritional cooking methods including how to maximize nutrient Retentions.

CO4: Understand how the dairy products are cooked in different styles suiting the requirements, differences in growing practices.

CO5: Develop basic knowledge to know how the food industry functions and different kinds of food preparation departments.

Course Articulation Matrix -216230

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1
CO 1	2	1	1	1	1	1	2	1	1	2	1	2	2
CO 2	2	2	2	2	1	2	2	2	2	2	2	1	2
CO 3	2	1	2	2	1	2	1	2	1	1	1	2	2
CO 4	2	2	2	1	1	1	1	1	2	1	3	1	2
CO 5	3	2	1	1	1	2	1	2	2	2	1	2	3
Wtd. Avg.	2.1	1.8	1.6	1.5	1	1.8	1.8	1.6	1.5	1.8	1.8	1.6	2.1

DSC (6) Foundation course in Accommodation Operation (Theory)

Semester II

Course Code: 216231

Course Title:

**DSC(6) - Foundation course in
Accommodation Operation (Theory)**

**DSC(6) Lab : Foundation course in
Accommodation Operation (Practical)**

Course Credits:05 (3:0:2)

Hours of Teaching/Week: 03 (Theory) + 04
(Practical)

Total Contact Hours: 42 Hours (Theory)
56 Hours (Practical)

Formative Assessment Marks: 40 (Theory)
25 (Practical)

Exam Duration: 2 ½ Hours (Theory)
3 Hours (Practical)

Semester End Examination Marks:
60 (Theory)
25 (Practical)

Course Outcomes (COs):

CO1: Evaluate the importance of Hierarchy in hospitality industry

CO2: Analyse the importance of cleanliness

CO3: Analyse the cleaning methods of different surfaces

CO4: Analyse the importance of co-operation with other departments.

CO5: Evaluate the importance of housekeeping in terms of economy

Course Articulation Matrix –216231

COs / POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO 12	PSO1
CO 1	2	1	1	1	1	1	1	1	1	2	1	1	1
CO 2	2	2	2	1	1	1	2	2	2	2	1	2	2
CO 3	2	1	2	1	1	1	2	2	1	1	1	2	2
CO 4	2	2	2	1	2	1	1	2	1	3	1	1	1
CO 5	2	3	2	1	2	1	1	1	2	2	1	1	1
WA	2.16	1.8	1.6	1	1.5	1	1.5	1.66	1.4	2	1	1.5	1.5

OE(2) Nutrition

Semester II

Course Code: 21OEHNH201

Course Title: OE(2) Nutrition

Course Credits: 03 (3:0:0)

Hours of Teaching/Week: 03 Hour (Theory)

Total Contact Hours: 42 Hours
(Theory)

Formative Assessment Marks:40

Exam Duration:2 ½ Hours

Semester End Examination Marks:60

Course Outcomes (COs):

CO 1: Able to know about the different varieties of nutritional values

CO2: Able to know about various types of foods

CO 3: Able to identify advantages of good food

CO4: Acquire knowledge about heat methods

CO5: Analyse nutritive values in food

Course Articulation Matrix – 21OEHNH201

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO1
CO 1	1	-	-	-	-	-	-	-	-	-	1	1	3
CO 2	2	-	-	-	-	-	-	-	-	-	2	2	3
CO 3	1	-	-	-	-	-	-	-	-	-	1	1	3
CO4	3	-	-	-	-	-	-	-	-	-	3	3	3
CO5	3	-	-	-	-	-	-	-	-	-	3	3	3
Weighted Average	2	-	-	-	-	-	-	-	-	-	2	2	3

DSC(8) Food and Beverage Service- III

Semester III

Course Code: 226330

Course Title:

DSC(8) : Food and Beverage Service- III

DSC(8) Lab : Food and Beverage Service- III

Course Credits:05 (3:0:2)

Hours of Teaching/Week: 03(Theory) + 04
(Practical)

Total Contact Hours: 42 Hours (Theory)
56 Hours (Practical)

Formative Assessment Marks: 40 (Theory)
25 (Practical)

Exam Duration: 2 ½ Hours (Theory)
3 Hours (Practical)

Semester End Examination Marks:
60 (Theory)
25 (Practical)

Course Outcomes (COs):

CO 1: Illustrate the different types of wines around the world.

CO 2: Knowledge of spirits and its economical importance in the contemporary world.

CO 3: Knowledge of different non alcoholic beverages and its categories.

CO 4: Familiarize with different kinds of liqueur items and its importance in acting as dessert beverages.

CO 5: Types of cocktails and its presentations.

Course Articulation Matrix – 226330

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1
CO 1	2	2	1	-	2	1	1	1	1	1	1	1	2
CO 2	1	1	2	-	1	-	-	-	1	-	-	1	2
CO 3	1	-	-	1	1	1	1	-	-	1	1	1	2
CO 4	1	1	1	1	-	2	-	2	-	1	2	-	2
CO 5	1	2	1	-	1	-	-	1	1	2	1	1	2
Weighted Average	1.2	1.5	1.25	1	1.33	1.66	1	1.5	1.5	1.25	1.25	1	2

DSC(9) Syllabus for BBA Hotel and Hospitality

Semester III

Course Code: 226331

Course Title:

DSC(9) Accommodation Operations

DSC(9) Lab : Accommodation Operations

Course Credits:05 (3:0:2)

**Hours of Teaching/Week: 03(Theory) +
04 (Practical)**

**Total Contact Hours: 42 Hours (Theory)
56 Hours (Practical)**

**Formative Assessment Marks: 40 (Theory)
25 (Practical)**

**Exam Duration: 2 ½ Hours (Theory)
3 Hours (Practical)**

**Semester End Examination Marks:
60 (Theory)
25 (Practical)**

Course Outcomes (COs):

CO1: Understand how accommodation is presented in different styles suiting the requirements.

CO2: Develop basic discipline and in hotel and resorts respecting towards better way of handling guest preferences.

CO3: Explain the characteristics, functions of front office and understand how to function smoothly.

CO4: Understand how the hierarchy is maintained in the star hotels.

CO5: Develop basic knowledge to know how the hotel industry functions with different kinds of reservations and registrations

Course Articulation Matrix – 226331

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1
CO 1	2	2	1	-	2	1	1	1	1	1	1	2	1
CO 2	1	1	2	-	1	1	-	-	1	-	-	1	1
CO 3	1	1	2	-	1	1	-	-	1	-	-	1	1
CO 4	1	1	2	1	1	1	2	1	2	1	-	1	1
CO 5	1	1	2	-	1	1	1	1	-	1	1	-	1
Weighted Average	1.2	1.2	1.8	1	1.2	1	1.3	1	1.25	1	1	1.25	1

OE(3) Event Management

(Except BBA)

Semester III

Course Code: 22OEHNH301

Course Title: OE(3) Event Management

Course Credits: 03 (3:0:0)

Hours of Teaching/Week: 03 Hour (Theory)

Total Contact Hours: 42 Hours
(Theory)

Formative Assessment Marks:40

Exam Duration:2 ½ Hours

Semester End Examination Marks:60

Course Outcomes (COs):

CO 1: Illustrate the different types of written communications and the role of various communications.

CO 2: Acquire knowledge of presentation skills.

CO 3: Apply with protocols

CO4: Analyse types of Image, branding and advertising abilities

CO5: Acquire knowledge of different liquors and its licenses.

Course Articulation Matrix – 22OEHNH301

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO1
CO 1	1	-	-	-	-	-	-	-	-	-	1	1	3
CO 2	2	-	-	-	-	-	-	-	-	-	2	2	3
CO 3	1	-	-	-	-	-	-	-	-	-	1	1	3
CO4	3	-	-	-	-	-	-	-	-	-	3	3	3
CO5	3	-	-	-	-	-	-	-	-	-	3	3	3
Weighted Average	2	-	-	-	-	-	-	-	-	-	2	2	3

DSC(10) Tourism Development

Semester IV

Course Code: 226429

Course Title:

DSC(9) Tourism Development

Course Credits:04 (4:0:0)

Hours of Teaching/Week: 04 (Theory)

Total Contact Hours:56 Hours (Theory)

Formative Assessment Marks: 40 (Theory)

Exam Duration: 2 ½ Hours (Theory)

Semester End Examination Marks:

60 (Theory)

Course Outcomes (COs):

CO1: Understand the concept of tourism and how tourism is presented in different styles suiting the requirements.

CO2: Develop basic knowledge of different types of tourism and its importance.

CO3: Explain the characteristics, functions of tourism organization and understand how it functions.

CO4: Understand how the tourism behaviors are maintained in the industry.

CO5: Develop basic knowledge of know how to organize transportations for different purposes.

Course Articulation Matrix – 226429

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1
CO 1	2	1	1	1	1	1	2	1	1	2	1	2	2
CO 2	2	2	2	2	1	2	2	2	2	2	2	1	2
CO 3	2	1	2	2	1	2	1	2	1	1	1	2	2
CO 4	2	2	2	1	1	1	1	1	2	1	3	1	2
CO 5	3	2	1	1	1	2	1	2	2	2	1	2	2
Weighted Average	2.1	1.8	1.6	1.5	1	1.8	1.8	1.6	1.5	1.8	1.8	1.6	2

DSC(11)) Bakery and confectionary

Semester IV

Course Code: 226430

Course Title:

DSC(9) Bakery and confectionary

DSC(9) Lab : Bakery and confectionary

Course Credits:05 (3:0:2)

Hours of Teaching/Week: 03(Theory) + 04
(Practical)

Total Contact Hours: 42 Hours (Theory)
56 Hours (Practical)

Formative Assessment Marks: 40 (Theory)
25 (Practical)

Exam Duration: 2 ½ Hours (Theory)
3 Hours (Practical)

Semester End Examination Marks:
60 (Theory)
25 (Practical)

Course Outcomes (COs):

CO1: Understand how the cake is cooked in different ovens suiting the requirements, differences in texture, taste, aroma and color.

CO2: Develop basic knowledge of cake making processes.

CO3: Explain the characteristics, tastes and importance of chocolates in the contemporary world.

CO4: Understand how the dairy products are used in different styles of preparing biscuits and cookies

CO5: Develop basic knowledge to know how to handle and use creams and other dairy products.

Course Articulation Matrix – 226430

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1
CO 1	2	2	1	-	2	1	1	1	1	1	1	1	2
CO 2	1	1	2	-	1	-	-	-	1	-	-	1	2
CO 3	1	-	-	1	1	1	1	-	-	1	1	1	2
CO 4	1	1	1	1	-	2	-	2	-	1	2	-	2
CO 5	1	2	1	-	1	-	-	1	1	2	1	1	2
Weighted Average	1.2	1.5	1.25	1	1.33	1.66	1	1.5	1.5	1.25	1.25	1	2

DSC(12) Hotel Accounts

Semester IV

Course Code: 226431

Course Title:

DSC(12) Hotel Accounts

DSC(12) Lab : Hotel Accounts

Course Credits:05 (3:0:2)

Hours of Teaching/Week: 03(Theory) + 04
(Practical)

Total Contact Hours: 42 Hours (Theory)
56 Hours (Practical)

Formative Assessment Marks: 40 (Theory)
25 (Practical)

Exam Duration: 2 ½ Hours (Theory)
3 Hours (Practical)

Semester End Examination Marks:
60 (Theory)
25 (Practical)

Course Outcomes (COs):

CO1: Understand how to organize accounts in the department supporting the management.

CO2: Develop basic knowledge of books and computers for calculations.

CO3: Explain the characteristics, importance of book keeping.

CO4: Understand how the revenue is generated and managed in safe hands.

CO5: Develop basic knowledge of trial balance and its importance.

Course Articulation Matrix – 226431

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1
CO 1	2	2	1	-	2	1	1	1	1	1	1	1	1
CO 2	1	1	2	-	1	-	-	-	1	-	-	1	1
CO 3	1	-	-	1	1	1	1	-	-	1	1	1	1
CO 4	1	1	1	1	-	2	-	2	-	1	2	-	2
CO 5	1	2	1	-	1	-	-	1	1	2	1	1	2
Weighted Average	1.2	1.5	1.25	1	1.33	1.66	1	1.5	1.5	1.25	1	1	1.4

OE(4) BBA Hotel and Hospitality Syllabus for All Programs

(Except BBA)

Semester IV

Course Code: 22OEHNH401

Course Title: OE(4) FOOD SAFETY AND
QUALITY CONTROL

Course Credits: 03 (3:0:0)

Hours of Teaching/Week: 03 Hour (Theory)

Total Contact Hours: 42 Hours
(Theory)

Formative Assessment Marks:40

Exam Duration:2 ½ Hours

Semester End Examination Marks:60

Course Outcomes (COs):

CO 1: Illustrate types of food with chemical combinations

CO2: Apply the knowledge and scope of food chemistry

CO 3: Analyse and classify the lipids and its importance

CO4: Demonstrate different vitamins and minerals

CO5: Apply the regulations of sanitation and contamination

Course Articulation Matrix – 22OEHNH401

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO1
CO 1	1	-	-	-	-	-	-	-	-	-	1	1	3
CO 2	2	-	-	-	-	-	-	-	-	-	2	2	3
CO 3	1	-	-	-	-	-	-	-	-	-	1	1	3
CO4	3	-	-	-	-	-	-	-	-	-	3	3	3
CO5	3	-	-	-	-	-	-	-	-	-	3	3	3
Weighted Average	2	-	-	-	-	-	-	-	-	-	2	2	3

DSC (14) - Advanced Food & Beverage Operation

Course Code: 236533	Course Title: DSC(14) Advanced Food & Beverage Operation THEORY DSC(14) Advanced Food & Beverage Operation PRACTICAL
Course Credit (L:T:P): 4(3:0:1)	Teaching Hours/Week: 03 (Theory) + 01 (Practical)
Total Contact Hours: 45hrs(Theory) 30hrs (Practical)	Formative Assessment Marks: 40 (Theory) 25 (Practical)
Duration of Exam: 2 ½ hrs (Theory) 3 hrs (Practical)	Semester End Examination Marks: 60 (Theory) 25 (Practical)
Pedagogy: Classroom lecture, tutorials, group discussion, seminar, case studies and field visit etc.,	
<p>Course Outcomes:</p> <p>CO1: Acquire the knowledge of planning & operating various F & B outlet</p> <p>CO2: Enhance the knowledge function catering buffets</p> <p>CO3: Acquire the knowledge of guerdon service</p> <p>CO4: Able to analyze the kitchen stewarding</p> <p>CO5: Explore the knowledge the organization of Banquet department</p>	

Course Articulation Matrix - 236533

PO & PSO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO9	PO 10	PO1 1	PO1 2	PSO 1
CO													
CO1	2	2	1	2	2	2	2	2	2	2	2	2	2
CO2	2	2	1	2	2	2	2	2	2	2	2	2	2
CO3	2	2	1	2	2	2	2	2	2	2	2	2	2
CO4	2	1	1	1	1	2	2	1	1	1	1	1	1
CO5	2	1	1	1	1	2	2	1	1	1	-	-	1
WA	2	1.6	1	1.6	1.6	2	2	1.6	1.6	1.6	1.4	1.4	1.6

DSC (15) Hygiene & Sanitation
Semester – V

CourseCode: 236534	Course Title DSC(15):Hygiene & Sanitation
Course Credit (L:T:P): 4(4:0:0)	Teaching Hours/Week:4
Total Contact Hours: 60Hrs	Formative Assessment Marks: 40
Duration of Exam: 2 ½ Hours	Semester End Examination Marks: 60
Pedagogy: Classroom lecture, tutorials, group discussion, seminar, case studies and field Visit etc.,	
Course Outcomes: CO1: Able to know about Hygiene, Sanitation and Personal hygiene for staff CO2: Acquire knowledge about Food handling for kitchen and service staff CO3: Explore the knowledge of Cleaning Methods, Cleaning Agents CO4: Able to know about the Premises and Equipment care CO5: Ability to understand the food safety and its importance	

Course Articulation Matrix – 236534

PO CO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2
CO 1	2	1	1	1	1	1	1	1	2	2	2	2
CO 2	2	2	1	2	1	1	1	2	2	2	2	2
CO 3	2	2	1	1	2	1	1	1	2	2	2	2
CO 4	2	1	1	1	1	1	1	1	2	2	2	2
CO 5	2	1	1	1	-	1	1	1	2	2	2	2
WA	2	1.4	1	1.3	1	1	1	1.2	2	2	2	2

DSE - Culinary Management Semester – V

Course Code: 23DSEH01	Course Title : DSE-Culinary Management
Course Credit (L:T:P): 3 (3:0:0)	Teaching Hours/Week: 3
Total Contact Hours: 45 Hrs	Formative Assessment Marks: 40
Duration of Exam: 2 ½ Hours	Semester End Examination Marks: 60
Pedagogy: Classroom lecture, tutorials, group discussion, seminar, case studies and field visit etc.,	
Course Outcomes:	
CO1: Acquire knowledge on the required kitchen planning	
CO2: Able to know about the advanced menu planning	
CO3: Explore the knowledge related to storage of food material	
CO4: Acquire knowledge on food presentation and financial management	
CO5: Able to know about the hierarchy of kitchen	

Course Articulation Matrix - 23DSEH01

PO & PSO CO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2	PSO 1
CO 1	2	1	1	1	1	1	2	1	1	1	1	1	2
CO 2	2	1	2	1	2	1	1	1	2	1	2	1	2
CO 3	2	1	2	-	1	2	1	-	-	1	2	1	2
CO 4	2	1	1	2	1	-	1	2	1	1	1	2	2
CO 5	2	2	1	1	1	1	2	2	2	1	1	1	2
WA	2	1.2	1.4	1	1.2	1	1.4	1.2	1.2	1	1.4	1.2	2

DSC (15) Syllabus for BBA (H&H)
Semester – V

CourseCode: 236534	Course Title DSC(15):Hygiene & Sanitation
Course Credit (L:T:P): 4(4:0:0)	Teaching Hours/Week:4
Total Contact Hours: 60Hrs	Formative Assessment Marks: 40
Duration of Exam: 2 ½ Hours	Semester End Examination Marks: 60
Course Outcomes: CO1: Able to know about Hygiene, Sanitation and Personal hygiene for staff CO2: Acquire knowledge about Food handling for kitchen and service staff CO3: Explore the knowledge of Cleaning Methods, Cleaning Agents CO4: Able to know about the Premises and Equipment care CO5: Ability to understand the food safety and its importance	

Course Articulation Matrix – 236534

PO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	1	1	1	1	1	1	1	2	2	2	2
CO2	2	2	1	2	1	1	1	2	2	2	2	2
CO3	2	2	1	1	2	1	1	1	2	2	2	2
CO4	2	1	1	1	1	1	1	1	2	2	2	2
CO5	2	1	1	1	-	1	1	1	2	2	2	2
WA	2	1.4	1	1.3	1	1	1	1.2	2	2	2	2

DSE - Syllabus for BBA (H&H) Semester – V

CourseCode: 23DSEHNNH01	Course Title : DSE-Culinary Management
Course Credit (L:T:P): 3 (3:0:0)	Teaching Hours/Week: 3
Total Contact Hours: 45 Hrs	Formative Assessment Marks: 40
Duration of Exam: 2 ½ Hours	Semester End Examination Marks: 60
Course Outcomes:	
CO1: Acquire knowledge on the required kitchen planning	
CO2: Able to know about the advanced menu planning	
CO3: Explore the knowledge related to storage of food material	
CO4: Acquire knowledge on food presentation and financial management	
CO5: Able to know about the hierarchy of kitchen	

Course Articulation Matrix - 23DSEHNNH01

PO & PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1
CO1	2	1	1	1	1	1	2	1	1	1	1	1	2
CO2	2	1	2	1	2	1	1	1	2	1	2	1	2
CO3	2	1	2	-	1	2	1	-	-	1	2	1	2
CO4	2	1	1	2	1	-	1	2	1	1	1	2	2
CO5	2	2	1	1	1	1	2	2	2	1	1	1	2
WA	2	1.2	1.4	1	1.2	1	1.4	1.2	1.2	1	1.4	1.2	2

DSE - Event Planning & Team Management
Semester – V

Course Code: 23DSEHNNH02	Course Title: DSE-Event Planning & Team Management
Course Credit (L:T:P): 3(3:0:0)	Teaching Hours/Week: 3
Total Contact Hours: 45Hrs	Formative Assessment Marks: 40
Duration of Exam: 2 ½ Hours	Semester End Examination Marks: 60
<p>Course Outcomes:</p> <p>CO1: Acquire the concepts of event management, types, organization.</p> <p>CO2: Enhance the knowledge to plan, select layout, marketing and evaluation.</p> <p>CO3: Acquire the leadership skills, safety and security measures for an event.</p> <p>CO4: Analyze budgeting, income and expenditure procedures and process for an event.</p> <p>CO5: Examine the importance of event safety and security, emergency planning</p>	

Course Articulation Matrix –23DSEHNNH02

PO & PSO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO9	PO 10	PO1 1	PO1 2	PSO 1
CO													
CO1	2	2	1	2	2	2	2	2	2	2	2	2	2
CO2	2	2	1	2	2	2	2	2	2	2	2	2	2
CO3	2	2	1	2	2	2	2	2	2	2	2	2	2
CO4	2	1	1	1	1	2	2	1	1	1	1	1	1
CO5	2	1	1	1	1	2	2	1	1	1	-	-	1
WA	2	1.6	1	1.6	1.6	2	2	1.6	1.6	1.6	1.4	1.4	1.6

DSE - Travel and Tourism Management
Semester – V

Course Code: 23DSEH03	Course Title: DSE-Travel and Tourism Management
Course Credit (L:T:P): 3(3:0:0)	Teaching Hours/Week:3
Total Contact Hours: 45hrs	Formative Assessment Marks: 40
Duration of Exam: 2 ½ Hours	Semester End Examination Marks: 60

Course Outcomes:

CO1: Acquire the knowledge of tourism, tourist, hospitality, tourism system, types, anatomy of tourism and development.

CO2: Exemplify the impact of tourism and multiplier effect.

CO3: Appraise the features and functions of service providers and IATA rules and regulations.

CO4: Identify different types of travel formalities, customs, regulations and insurance.

CO5: Illustrate the basic concepts and functions of transportation in tourism.

Course Articulation Matrix - 23DSEH03

PO & PSO CO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2	PSO 1
CO1	2	2	1	1	2	1	1	1	1	1	-	1	2
CO2	1	1	1	1	1	1	2	1	1	1	-	1	1
CO3	2	2	1	1	2	2	2	1	2	2	1	1	2
CO4	2	2	-	-	1	-	-	-	1	1	-	1	2
CO5	2	1	-	-	1	-	1	-	1	1	-	1	2
WA	1.8	1.6	1	1	1.4	1.3	1.5	1	1.2	1.2	1	1	1.8

DSC(13) Advanced food production operation

Semester V

Course Code: 236532	Course Title: DSC (13)Advanced Food Production Operation THEORY DSC (13) Advanced Food Production Operation - PRACTICAL
Course Credit (L:T:P): 4(3:0:1)	Teaching Hours/Week: 03 (Theory) + 01 (Practical)
Total Contact Hours: 45hrs(Theory) 30hrs (Practical)	Formative Assessment Marks: 40 (Theory) 25 (Practical)
Duration of Exam: 2 ½ hrs (Theory) 3 hrs (Practical)	Semester End Examination Marks: 60 (Theory) 25 (Practical)
Course Outcomes: CO1: Able to understand larder layout & equipment, control, duties and responsibilities of larder chef CO2:Acquire knowledge about the types and uses of charcuterie sausage, forcemeats, brines, cures & marinades CO3: Ability to know about the cuts, differences and uses of ham, bacon & gammon, galantines, pates, mouse & mousseline CO4:Explore the knowledge about the making and uses of chaud froid, aspic & gelee, quenelles, parfaits, roulades, non edible displays CO5:Able to understand the use of wine and herbs in cooking, appetizers & garnishes and sandwiches	

VOCATIONAL (1) Syllabus for BBA (H&H) Semester - V

CourseCode:23 VOCHNH1	Course Title: Vocational (1) Digital Marketing
Course Credit (L:T:P): 3 (3:0:0)	Teaching Hours/Week: 3
Total Contact Hours: 45Hrs	Formative Assessment Marks: 40
Duration of Exam: 2 ½ Hours	Semester End Examination Marks:100
Pedagogy: Classroomslecture,Casestudies,TutorialClasses,Groupdiscussion,Seminar& field work etc.,	
Course Outcomes: On successful completion of the course, the students' will be able to CO1: Gain knowledge on Digital Marketing, Email marketing and Content marketing. CO2: Understand Search Engine Optimization tools and techniques CO3: Gains kills on creation of Google Ad Words & Google AdSense CO4: Gain knowledge on Social Media Marketing and Web Analytics. CO5: Gain knowledge on YouTube Advertising & Conversions.	

Course Articulation Matrix - 23VOCHNH01

PO & CO	P O 1	P O 2	P O 3	P O 4	P O 5	P O 6	P O 7	P O 8	P O 9	P O 10	P O 11	P O 12	PS O 1
CO1	2	3	1	1	3	2	1	2	1	2	3	3	2
CO2	2	2	1	1	3	2	1	1	1	2	2	2	2
CO3	2	3	2	1	3	2	2	1	1	2	2	3	2
CO4	2	3	2	1	3	2	2	1	1	2	3	2	2
CO5	2	3	2	1	3	2	1	1	1	2	3	2	2
WA	2	2. 8	1. 6	1	3	2	1. 4	1. 2	1	2	2. 6	2. 4	2

SEC(5) Employability Skills

(H&H)

	Course Code: 23EMPHNH01	Course Title: SEC (5)Employability Skills
	Course Credit (L:T:P): 3 (2:0:1)	Teaching Hours/Week: 2 (Theory) 2(Practical)
	Total Contact Hours: 45Hrs	Formative Assessment Marks: 40
	Duration of Exam: 2 ½ Hours	Semester End Examination Marks:100
Pedagogy: Classrooms lecture, Case studies, Group discussion, Seminar & field work etc.,		
Course Outcomes: On successful completion of the course, the students' will be able to		
CO1: Have the information on various vacancies notified by Central and State Government authorities as well as Private organizations.		
CO2: Solve the problems on quantitative aptitude, logical reasoning and analytical ability.		
CO3: Demonstrate the basic computer skills like MS word, MS excel, MS PPTs. Email etiquettes Etc.,		
CO4: Exhibit the communication and leadership skills.		
CO5: Conduct self SWOC analysis and set his career goals.		

Course Articulation Matrix -23EMPHNH01

PO & PSO CO	P O 1	P O 2	P O 3	P O 4	P O 5	P O 6	P O 7	P O 8	PO 9	P O 10	P O 11	PO 12	PS O1
CO1	3	3	3	3	3	3	3	3	3	3	3	3	3
CO2	3	2	2	3	3	2	3	2	3	3	3	3	3
CO3	2	2	2	2	2	1	2	2	2	2	2	2	3
CO4	2	2	2	2	2	2	3	2	3	3	3	3	3
CO5	2	2	3	2	3	2	2	2	2	2	1	2	2
WA	2.4	2.2	2.4	2.4	2.6	2	2.6	2.2	2.6	2.6	2.4	2.6	2.8

DSC (16) Room Division**Semester – VI**

Course Code: 236632	Course Title: DSC(16) Room Division Management THEORY DSC(16) Room Division Management PRACTICAL
Course Credit (L:T:P): 4(3:0:1)	Teaching Hours/Week: 03 (Theory) + 01 (Practical)
Total Contact Hours: 45hrs(Theory) 30hrs (Practical)	Formative Assessment Marks: 40 (Theory) 25 (Practical)
Duration of Exam: 2 ½ hrs (Theory) 3 hrs (Practical)	Semester End Examination Marks: 60 (Theory) 25 (Practical)
Course Outcomes: CO1: Able to know about the concepts, elements of revenue management CO2: Acquire the knowledge of functions of management with relation to front office and housekeeping department CO3: Ability to understand the role of training and development in front office and housekeeping CO4: Explore the knowledge related to housekeeping controls, budgets and expenses CO5: Able to know the skills needed to handle and managing human resource in housekeeping and front office	

Course Articulation Matrix - 236632

PO & PSO CO	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1
CO1	1	1	1	1	1	1	1	2	2	2	2	2
CO2	2	1	2	1	1	1	2	2	2	2	2	2
CO3	2	1	1	2	1	1	1	2	2	2	2	2
CO4	1	1	1	1	1	1	1	2	2	2	2	2
CO5	1	1	1	-	1	1	1	2	2	2	2	2
WA	1.4	1	1.3	1	1	1	1.2	2	2	2	2	2

DSC (17) Syllabus for BBA (H&H) Semester - V

Course Code: 236633	DSC (18) Service Marketing Semester – VI	Course Title: DSC(17))Startup and Entrepreneurship and development
CourseCredit (L:T:P): 4(4:0:0)	Teaching Hours/Week:4	
Total Contact Hours: 60 Hrs	Formative Assessment Marks: 40	
Duration of Exam: 2 ½ Hours	Semester End Examination Marks: 60	
Course Outcomes:		
CO1: Acquire knowledge on the concept of entrepreneurship and the motivations and also the various types of entrepreneurships.		
CO2: Acquire knowledge on the concept, of various ideas to start up and to understand the environmental and competitive advantages and their relevance in tourism industry.		
CO3: Analyze the nature and purpose of legal structures and types of Legal Structures, Entity registration process		
CO4: Explore the concept, problems and process on financial Basics, financing and managementof working capital		
CO5: Acquire knowledge on importance of business plan before starting any business andmarketing strategies for better business plan.		

Course Articulation Matrix - 236633

PO & PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1
CO1	2	-	-	-	2	1	2	1	2	-	-	2	2
CO2	2	2	2	1	2	1	3	2	3	1	2	3	2
CO3	2	2	1	3	-	1	-	1	2	1	2	2	2
CO4	2	2	1	-	-	-	2	1	2	1	-	1	2
CO5	2	2	2	1	-	-	2	2	3	3	3	1	2
WA	2	2	1.5	1.66	2	1	2.25	1.4	2.4	1.5	2.3	1.8	2

Course Code: 236634	Course Title: DSC(18)Service Marketing
Course Credit (L:T:P): (4:0:0)	Teaching Hours/Week: 4
Total Contact Hours: 60Hrs	Formative Assessment Marks: 40
Duration of Exam: 2 ½ Hours	Semester End Examination Marks: 60
Pedagogy: Classroom lecture, tutorials, group discussion, seminar, case studies and field visit etc.,	
Course Outcomes:	
CO1: Able to know about the concepts of marketing	
CO2: Acquire knowledge of MIS and market research	
CO3: Able to understand the concepts of marketing mix, marketing planning, segmenting and positioning	
CO4: Acquire knowledge of international marketing	
CO5: Able to know about the tourist package & hotel pricing strategy	

DSE - Syllabus for BBA (H&H) Semester – VI

Course Articulation Matrix - 236634

PO & PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1
CO1	2	2	3	1	-	-	1	2	3	1	1	2	2
CO2	2	1	1	-	1	2	1	2	1	2	-	2	2
CO3	2	1	3	1	1	2	2	-	-	-	2	2	2
CO4	2	1	3	1	1	2	1	2	2	1	2	1	2
CO5	2	3	1	1	-	-	2	-	1	-	3	1	2
WA	2	1.6	2.2	1	1	2	1.4	2	1.75	1.33	2	1.6	2

DSE - Facilities Management

Semester – VI

Course Code: 23DSEHNH04	Course Title: DSE -Facilities Management
Course Credit (L:T:P): 3 (3:0:0)	Teaching Hours/Week: 3
Total Contact Hours: 60Hrs	Formative Assessment Marks: 40
Duration of Exam: 2 ½ Hours	Semester End Examination Marks: 60
Pedagogy: Classrooms lecture, Case studies, Tutorial Classes, Group discussion, Seminar & field work etc.,	
<p>CO1:Emphasize the importance of water management, electricity system in hotel industry</p> <p>CO2:Analyse the maintenance in hotel industry</p> <p>CO3:Identify the building construction</p> <p>CO4: Categorize the hotel design and renovation</p> <p>CO5: Providing,maintaining the heat, ventilation and air-conditioning</p>	

Course Articulation Matrix - 23DSEHNH04

PO &PS O CO	P O1	P O2	P O3	P O4	P O5	P O6	P O7	P O8	P O9	PO 10	PO 11	PO 12	PS O1
CO1	2	1	1	1	1	1	1	1	2	2	2	2	2
CO2	2	2	1	2	1	1	1	2	2	2	2	2	2
CO3	2	2	1	1	2	1	1	1	2	2	2	2	2
CO4	2	1	1	1	1	1	1	1	2	2	2	2	2
CO5	2	1	1	1	-	1	1	1	2	2	2	2	2
WA	2	1.4	1	1.3	1	1	1	1.2	2	2	2	2	2

DSE - Syllabus for BBA (H&H) Semester – VI

Course Code: 23DSEHNNH05	Course Title: DSE- MICE Tourism
Course Credit (L:T:P): 3(3:0:0)	Teaching Hours/Week: 3
Total Contact Hours: 45Hrs	Formative Assessment Marks: 40
Duration of Exam: 2 ½ Hours	Semester End Examination Marks: 60
Pedagogy: Classroom lecture, tutorials, group discussion, seminar, case studies and field visit etc.,	
Course Outcomes: CO1: Acquire the concepts of MICE tourism CO2: Enhance the knowledge about the impacts of MICE tourism. CO3: Acquire the information related to management of convention and exhibition CO4: Able to analyze budgeting a conference and exhibition CO5: Exhibits the importance and functions of trade fair and exhibition	

Course Articulation Matrix - 23DSEHNNH05

PO & PSO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2	PSO 1
CO 1	2	2	1	2	2	2	2	2	2	2	2	2	2
CO 2	2	2	1	2	2	2	2	2	2	2	2	2	2
CO 3	2	2	1	2	2	2	2	2	2	2	2	2	2
CO 4	2	1	1	1	1	2	2	1	1	1	1	1	1
CO 5	2	1	1	1	1	2	2	1	1	1	-	-	1
W A	2	1.6	1	1.6	1.6	2	2	1.6	1.6	1.6	1.4	1.4	1.6

DSE- Travel Agency & Tour Operation (H&H)
Semester – VI

Course Code: 23DSEHNNH06	Course Title: DSE- Travel Agency & Tour Operation
Course Credit (L:T:P): 3 (3:0:0)	Teaching Hours/Week: 3
Total Contact Hours: 45Hrs	Formative Assessment Marks: 40
Duration of Exam: 2 ½ Hours	Semester End Examination Marks: 60
Pedagogy: Classroom lecture, tutorials, group discussion, seminar, case studies and field visit etc.,	
Course Outcomes:	
CO1: Acquire knowledge on the Travel agency business, income sources of travel agencies	
CO2: Explore the concepts related to tour operation, operations process, various holiday package	
CO3: Acquiring knowledge of case studies of major tour operation companies and packages	
CO4 :Explore the Marketing & Promotion of tour and marketing strategies of tour operation business	
CO5: Acquire knowledge of types of emergencies, airport safety and security measures.	

Course Articulation Matrix - 23DSEHNNH06

PO & PSO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2	PSO 1
CO 1	2	1	1	1	1	1	1	1	1	2	1	1	2
CO 2	2	2	1	2	1	1	1	2	1	1	2	1	2
CO 3	2	2	1	1	2	1	1	1	2	2	1	1	2
CO 4	2	1	1	1	1	1	1	1	-	1	-	1	1
CO 5	2	1	1	1	-	1	1	1	1	1	1	1	1
WA	2	1.4	1	1.3	1	1	1	1.2	1.3	1.4	1.3	1	1.6

VOCATIONAL (2) Syllabus for BBA (H&H) Semester - VI

Course Code: 23VOCHNH02	Course Title: Vocational (2)Enterprise Resource Planning
Course Credit (L:T:P): 3 (3:0:0)	Teaching Hours/Week: 3
Total Contact Hours: 45Hrs	Formative Assessment Marks: 40
Duration of Exam: 2 ½ Hours	Semester End Examination Marks: 60
Pedagogy: Classrooms lecture, Case studies, Tutorial Classes, Group discussion, Seminar & field work etc.,	
<p>Course Outcomes: On successful completion of the course, the students' will be able to</p> <p>CO1: Understand the business process of an enterprise to grasp the activities of ERP project management cycle to understand the emerging trends in ERP developments.</p> <p>CO2: Integrate and automate the business processes and shares information enterprise-wide.</p> <p>CO3: Explore the significance of ERP to provide a solution for better project management.</p> <p>CO4: Enable the students to understand the various process involved in implementing ERP in a variety of business environment.</p> <p>CO5: Understand the issues involved in design and implementation of ERP systems.</p>	

Course Articulation Matrix - 23VOCHNH02

PO & PS O CO	P1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PS O1
CO 1	3	3	3	3	3	3	3	3	3	3	3	3	3
CO 2	3	2	2	3	3	2	3	2	3	3	3	3	3
CO 3	2	2	2	2	2	1	2	2	2	2	2	2	3
CO 4	3	2	2	2	2	2	3	2	3	3	3	3	3
CO 5	2	2	3	2	3	2	2	2	2	2	1	2	2
WA	2.8	2.2	2.4	2.4	2.6	2	2.6	2.2	2.6	2.6	2.4	2.6	2.8