

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

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	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

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	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 primarymetabolites 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

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 lawsof 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 out 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: 212260Course 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

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: 2 ¹ / 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: 2¹/₂ Hours (Theory)
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 $\frac{1}{2}$ 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: 2 ¹ / 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: 2 $\frac{1}{2}$ 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: 2 $\frac{1}{2}$ 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

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

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

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: 2½ Hours (Theory) 2 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: 2 ¹ / ₂ Hours	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 andDC/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

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	PO10	PO11	PO12
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
CO1	2	1	2	2	2	1	1	1	1	1	1	2
CO2	2	2	2	2	1	1	1	1	1	2	2	2
CO3	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

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/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 init.

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

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: 21OEEO102	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 - 21OEEO102

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

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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 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 ¹ -Hours 2	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: 21OEEO203	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- 21OEEO203

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 CO's	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
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 CO's	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
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: 22OEEO302	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: 2 $\frac{1}{2}$ Hours	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 - 22OEEO302

POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	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

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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	P09	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

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 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: 2¹ Hours (Theory)
3 Hours (Practical)

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) 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)

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 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	PO10	PO11	PO12
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: 2 ¹/₂ 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

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

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	PO 10	PO 11	PO 12
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	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 (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 techniqueto construct Feature Stories.

CO2. Empower society with reference to the contributions of Freelancer, tool to capture events, scenes andanecdotes 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

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/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
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

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: 210ESOC201	Course Title: OE (2) Social Development In India
Course Credits: 03(3:0:0)	Hours of Teaching/Week: 03
Total Contact Hours: 42Hrs	Formative Assessment Marks: 40
Exam Duration: 2¹Hrs 2	Semester-End Examination Marks: 60

Course Outcomes (COs)

CO1: Distinguish between growth and development.

CO2: Appreciate the importance of the Social component of development.

CO3: Appreciate the need for sustainable and inclusive human development

Course Articulation Matrix – 21OESOC201

[illegible]

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: 2 ¹/₂ Hrs	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(03) Sociology Syllabus for All Programs (Except Arts)

Course Code:22OESOC302	Course Title: OE (3) Sociology of Youth
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)

C01: Recognize and explain how sociologists conceptualize and study youth and youthhood

C02: Analyse how youth evolve in the context of social, economic and cultural settings

C03: Examine concerns and problems of youth

Course Articulation Matrix – 22OESOC302

[illegible]

DSC (7) Syllabus for BA. Sociology (Basic Honors)

Course Code: 221451	Course Title: DSC (7)Sociology of Marginalized Groups
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)

C01: Identify the knowledge of marginalization and marginalized groups in India

C02: Examine the impact of powerlessness in social life

C03: Evaluate the ability to participate and critically view efforts undertaken to address inequalities

Course Articulation Matrix – 221451

[illegible]

DSC (8) Syllabus for BA. Sociology (Basic Honors)

Course Code: 221452	Course Title: DSC (8) Population and Society
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)

C01: Analyse the basic concepts of population studies

C02: Identify the dynamics of the population from sociological perspectives & the problems around India's population

C03: Critically analyze the population policies of India

Course Articulation Matrix – 221452

[illegible]

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

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

CO2- 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

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	PO6	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

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 social perspective

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 साहित्य + संस्कृत, व्याकरण, 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 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 – 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: 2½ 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

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

Course Outcomes (COs):

CO 1. ತಮ್ಮ ಬದುಕಿನಲ್ಲಿ ದೇಶಿಯತೆಗೆ ಪ್ರಾಧಾನ್ಯತೆಯನ್ನು ನೀಡುತ್ತಾರೆ.

CO 2. ಜವಾಬ್ದಾರಿಯುತ ನಾಗರಿಕರಾಗುತ್ತಾರೆ.

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

ಬಿ.ಎಸ್ಸಿ

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: 2 $\frac{1}{2}$ 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 ಕಾಣುವುದರೊಂದಿಗೆ 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

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: 2 $\frac{1}{2}$ 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

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

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: 2 $\frac{1}{2}$ 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

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: 2½ 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

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

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: 2½ 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

ಬಿ.ಎಸ್ಸಿ

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: 2½ 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

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

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 ತೊಡಗುತ್ತಾರೆ.

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

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

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

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: 2 $\frac{1}{2}$ 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 छन्दः
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	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 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 छन्दः
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