



JSS MAHAVIDYAPEETHA

JSS COLLEGE OF ARTS COMMERCE AND SCIENCE

(Autonomous, NAAC 'A' Grade and College with Potential for Excellence)

Ooty Road Mysore

Outcome Attainment Reports (2018-19)



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JSS College of Arts, Commerce and Science

(Autonomous)

Ooty Road, Mysuru 570025

Outcome Attainment Reports

Department: PG Biochemistry

Programme: M.Sc Biochemistry

Semesters: I-IV

Session: 2018-19

Programme Code: BIC

POID	PO	Attainment in %
48032	Provides with the necessary knowledge and skills to undertake a career in research, either in industry or in an academic setting	72.19
48035	Provides the breadth and depth of scientific knowledge in Biochemistry and allied areas	78.70
48036	Equips to apply for a Ph.D. or to gain employment in biochemistry and allied areas	68.70
48016	Provides a substantial element of hands-on research experience, with enhanced experimental skills	63.0
48022	Demonstrates detailed knowledge and understanding of the principles and theories of biochemistry	77.85
48017	Helps to understand the principle techniques of biomolecular structural characterization, including spectroscopy	59.33

PSOID	PSO	Attainment in %
48044	Global level research opportunities to pursue Ph.D. programme targeted approach of CSIR-NET examination	70.89
48052	Enormous job opportunities at all level of chemical, pharmaceutical, food products, life oriented material industries	70.89
48061	Specific placements in R&D and quality control or analysis division of nutraceutical, pharmaceutical industries and allied division	71.96

Course Title	Course ID	COID	CO	Attainment in %
Analytical Biochemistry-I	BCA040	47911	Specify in depth cell fractionation techniques	80
Analytical Biochemistry-I	BCA040	47912	Write down in details with application, if applicable, chromatography and spectroscopy	80
Analytical Biochemistry-I	BCA040	47913	Write down in details with application, if applicable, principle and applications of electrophoresis	80
Analytical Biochemistry-I	BCA040	47914	Understand the classification and characteristics of centrifugation and microscopy	80
Chemistry and Metabolism of Proteins and Nucleic Acids	BCA050	47922	Identify the details of amino acids and proteins	80
Chemistry and Metabolism of Proteins and Nucleic Acids	BCA050	47923	Understand in details with application, if applicable, nitrogen metabolism and degradation	80
Chemistry and Metabolism of Proteins and Nucleic Acids	BCA050	47924	Write down the classification and characteristics of synthesis of amino acids and proteins	80
Chemistry and Metabolism of Proteins and Nucleic Acids	BCA050	47925	Write down in details with application, if applicable, metabolism of nucleic acids	80
Experiments in Biochemical Techniques and Enzymology and Seminar	BCA060	47926	Identify the details of spectrophotometer	80
Experiments in Biochemical Techniques and Enzymology and Seminar	BCA060	47927	Identify the details of specific activity of enzymes	80
Experiments in Biochemical Techniques and Enzymology and Seminar	BCA060	47928	Deliberate the characteristics of gel electrophoresis	80
Experiments in Biochemical Techniques and Enzymology and Seminar	BCA060	47929	Deliberate the characteristics of use of pipettes	80

Enzymology	BCA230	47930	Write down in details with examples enzyme kinetics	80
Enzymology	BCA230	47931	Identify in details with examples enzyme catalysed reactions	80
Enzymology	BCA230	47932	Identify the characteristics of cooperativity reactions	80
Enzymology	BCA230	47933	Learn the classification and characteristics of multienzyme complex reactions	80
Chemical Principles and Biochemical Reactions	BCA250	47934	Specify in details with examples chemical principles and bonding	80
Chemical Principles and Biochemical Reactions	BCA250	47935	Write down in depth thermodynamics	80
Chemical Principles and Biochemical Reactions	BCA250	47936	Learn in details with application, if applicable, stereochemistry	80
Chemical Principles and Biochemical Reactions	BCA250	47937	Deliberate in depth secondary metabolites	80
Analytical Biochemistry–II	BCB040	47938	Identify in details with application, if applicable, flow cytometry	80
Analytical Biochemistry–II	BCB040	47940	Specify the characteristics of biosensor technology	80
Analytical Biochemistry–II	BCB040	47941	Understand in details with examples spectroscopy	80
Analytical Biochemistry–II	BCB040	47942	Write down the details of x-ray crystallography	80
Chemistry and Metabolism of Carbohydrates and Lipids	BCB050	47943	Understand the classification and characteristics of chemistry of carbohydrates	100
Chemistry and Metabolism of Carbohydrates and Lipids	BCB050	47944	Deliberate the classification and characteristics of bioenergetics	80
Chemistry and Metabolism of Carbohydrates and Lipids	BCB050	47945	Write down the characteristics of chemistry of lipids	80
Chemistry and Metabolism of Carbohydrates and Lipids	BCB050	47946	Learn in depth metabolism of lipids	80
Experiments in Immunology and Biochemical Estimations and Seminar	BCB060	47947	Understand in details with examples antigen antibody reactions	80
Experiments in Immunology and Biochemical Estimations and Seminar	BCB060	47949	Specify in details with application, if applicable, oils and fats estimation	80

Experiments in Immunology and Biochemical Estimations and Seminar	BCB060	47950	Understand in depth acid value principle and determination	80
Experiments in Immunology and Biochemical Estimations and Seminar	BCB060	47951	Identify in details with examples mitosis and meiosis	80
Immunology and Microbiology	BCB250	47952	Identify in details with examples antigens and antibodies	80
Immunology and Microbiology	BCB250	47953	Understand the details of cellular basis of immunity	80
Immunology and Microbiology	BCB250	47954	Identify the classification and characteristics of MHC Complex	80
Immunology and Microbiology	BCB250	47955	Learn in depth basic concepts of microbiology	80
Human Physiology and Nutrition	BCB260	47956	Specify the classification and characteristics of blood and respiratory systems	80
Human Physiology and Nutrition	BCB260	47957	Identify in depth digestive and excretory systems	80
Human Physiology and Nutrition	BCB260	47958	Learn in details with application, if applicable, concepts of nutrition	80
Human Physiology and Nutrition	BCB260	4759	Specify the details of vitamins and minerals	80
Cell Biology, Endocrinology and Cell Signaling	BCC070	47961	Specify in details with examples cellular organization	80
Cell Biology, Endocrinology and Cell Signaling	BCC070	47962	Learn the characteristics of endocrinology	100
Cell Biology, Endocrinology and Cell Signaling	BCC070	47963	Learn in depth cell signaling	80
Cell Biology, Endocrinology and Cell Signaling	BCC070	47964	Write down the characteristics of membrane biology	80

Clinical Biochemistry	BCC050	47965	Identify in details with application, if applicable, specimen collection and analysis	100
Clinical Biochemistry	BCC050	47966	Specify in details with application, if applicable, metabolic disorders	90
Clinical Biochemistry	BCC050	47967	Write down the characteristics of hormonal disorders	100
Clinical Biochemistry	BCC050	47968	Write down in details with application, if applicable, hematology	80
Biotechnology	BCC230	47973	Understand the concepts of biotechnology	80
Biotechnology	BCC230	47974	Provide examples of current applications of biotechnology	90
Biotechnology	BCC230	47975	Explain the concept and application of enzyme technology	100
Biotechnology y	BCC230	47976	Explain the general principles of generating transgenic plants, animals and microbes	80
Experiments in Clinical Biochemistry and Molecular Biology	BCC060	47977	Specify the details of urine and blood analysis	90
Experiments in Clinical Biochemistry and Molecular Biology	BCC060	47978	Specify the characteristics of determination of enzyme activity	100
Experiments in Clinical Biochemistry and Molecular Biology	BCC060	47979	Identify the classification and characteristics of DNA quantification and analysis	90
Experiments in Clinical Biochemistry and Molecular Biology	BCC060	47980	Deliberate the details of isolation of nucleic acids from plant, animal and microbial sources	100
Molecular Biology and GeneRegulation	BCD010	47981	Write down the characteristics of DNA characteristics and replication	80
Molecular Biology and GeneRegulation	BCD010	47982	Write down in depth Transcription and regulation	100
Molecular Biology and GeneRegulation	BCD010	47983	Learn in depth translation	80
Molecular Biology and GeneRegulation	BCD010	47985	Identify in depth translational regulation	100

Genetics and Genetic Engineering	BCB070	47986	Understand the importance of plasmids and viruses to genetic engineering.	100
Genetics and Genetic Engineering	BCB070	47987	Understand the principle of Mendelism and gene development	90
Genetics and Genetic Engineering	BCB070	47988	Describe how mutations occur and scope of population genetics	100
Genetics and Genetic Engineering	BCB070	47989	Explain the principle of genetic engineering	100
Nutrition and Health	BCC740	47990	Identify the details of basic concepts of nutrition	100
Nutrition and Health	BCC740	47991	Learn in details with application, if applicable, nutrients	80
Nutrition and Health	BCC740	47992	Deliberate in details with application, if applicable, nutrition associated problems	80
Nutrition and Health	BCC740	47993	Write down in depth social health problems	90
Project Work OR Dissertation	BCD060	47994	Identify the classification and characteristics of literature survey	100
Project Work OR Dissertation	BCD060	47995	Learn in depth define of objective of project work	100
Project Work OR Dissertation	BCD060	47996	Write down the classification and characteristics of design of experimental methods	100
Project Work OR Dissertation	BCD060	47997	Understand the details of result analysis and interpretation	90

JSS Mahavidyapeetha
JSS College of Arts, Commerce and Science
Ooty Road, Mysuru – 570 025, Karnataka, India
2018-19

Name of the Department: PG Department of Chemistry
Programmes offered: M.Sc. in Chemistry

Course outcomes (%Attainments)

Course Title	Course Code	CO No./Id	CO Statement	%Attainment
Fundamentals of Chemical Analysis	CHA 090	CO1	This course in analytical chemistry will make students to get emphasized on quantitative (and sometimes qualitative) methods of analysis with relevant equilibrium chemistry.	90
		CO2	Learning this course content will develop the ideas with the fundamental aspects in analytical chemistry.	90
		CO3	Students will be enriched with explored topics such as experimental design, sampling, calibration strategies, standardization, optimization, statistics, and the validation of experimental results.	100
		CO4	These topics will build the interest in students in developing good experimental protocols, and in interpreting experimental results.	100
		CO5	Analytical knowledge for the quantitative analysis of various samples of different origin is best sowed among the students under titrimetric aspects.	100
		CO6	The statistical aspects are learnt and from which the spirit of assessing the results will be enhanced.	100
		CO7	Method development and validation features will become familiar so that they will become outstanding basement for their career in various industries.	70
Inorganic Chemistry-I	CHA 100	CO1	Understand the details of Molecular symmetry and group theory and applications, Representation of groups.	90
		CO2	Learn in details with examples VSEPR model, Non-aqueous solvents, Electron deficient compounds, Lanthanides & Actinides.	80
		CO3	Understand the classification and characteristics of Organometallics of transition metals.	100
		CO4	Specify in depth Ferrocene and ruthenocene, Complexes containing alkene, alkyne, arene and allyl ligands.	80
Organic Chemistry-I	CHA 110	CO1	Learn in details with examples Stereoisomerism, Stereoselectivity, Optical, Geometrical, isomerism and Conformational isomerism	100
		CO2	Understand in details with examples Molecular rearrangements, Carbon to carbon migration, Carbon to nitrogen migration.	70
		CO3	Learn the classification and characteristics of Heterocyclic chemistry.	100
Physical Chemistry-I	CHA 120	CO1	Learn in depth Concepts of entropy and free energy, Partial molar properties.	90
		CO2	Learn the details of Fugacity, Statistical thermodynamics.	90
		CO3	Learn the details of Chemical Kinetics, Kinetics of reactions in solution, Linear free energy, Enzyme kinetics.	100
		CO4	Learn the characteristics of Electrochemistry, Energetics of cell reactions, Corrosion.	70
Analytical Chemistry Practicals	CHA 050	CO1	Learn in depth selection of analytical methods with suitable techniques.	100
		CO2	Understand in depth classical and instrumental methods.	100
		CO3	Learn in depth quantification of individual analytes.	100
		CO4	Identify the details of quantification of individual analytes.	100
Inorganic Chemistry	CHA 060	CO1	Specify the details of reagents required for analysis.	100

Practicals		CO2	Understand in depth experiment for quantitative analysis of inorganic samples such as ore, metals, complexes mixture of metals and complexes etc.	100
		CO3	Understand the classification and characteristics of semi-micro qualitative analysis.	100
		CO4	Learn the details of skills for the scientific and relevant documentation and risk and security assessment.	100
Organic Chemistry Practicals	CHA 070	CO1	Students are involved in the multi-step synthesis of different organic compounds.	100
		CO2	Understand the qualitative analysis of binary mixture of organic compounds through separation, identification of functional groups and preparation of solid derivatives.	100
Physical Chemistry Practicals	CHA 080	CO1	Understand the details of instruments like UV-Visible Spectrophotometer, Potentiometer, pH meter, etc.	100
		CO2	Learn the details of concentration of the species in given solutions using kinetic methods.	100
		CO3	Understand the characteristics of physical properties of substances.	100
		CO4	Learn the characteristics of different thermodynamic parameters.	100
Separation Techniques	CHB 090	CO1	Knowledge of various physico-chemical separation techniques with principle, mechanism of separation, materials or compounds or analytes in the sample to be separated.	100
		CO2	Built in ability to select appropriate separation technique for intended problem.	100
		CO3	Capacity and scope of the built knowledge to separate analytes in multi-component mixtures.	100
		CO4	Ability to design separation procedure for the effective solution of intended problem.	90
		CO5	Enriched knowledge on method development and validation to propose new analytical separation method.	100
		CO6	Attainment of ability to describe the instrumentation required for the various separation techniques and their associated operating principles.	80
		CO7	Student will reach a stage to understand the significance, quality, and limitations of the results produced by the various separation techniques.	100
Advanced Coordination Chemistry	CHB 100	CO1	Learn in depth Preparation of coordination compounds, Stability of coordination compounds, Geometries of metal complexes, Determination of stability constants, Crystal field theory.	100
		CO2	Understand in details with examples Molecular Orbital Theory, Electronic spectra, Magnetic properties.	100
		CO3	Learn in details with examples Reaction and Mechanisms, Substitution reactions.	100
		CO4	Identify in details with examples Inner-sphere mechanism and outer-sphere mechanism.	90
Organic Chemistry-II	CHB 110	CO1	Understand in depth Reductions and Oxidations.	100
		CO2	Learn in depth Reagents in organic synthesis, Green Synthesis.	40
		CO3	Understand in details with examples Photochemistry and concerted reactions, Electrocyclic reactions.	100
Physical Chemistry - II	CHB 120	CO1	Learn in depth Quantum Chemistry.	90
		CO2	Learn in details with examples Microwave and Vibration spectroscopy.	90
		CO3	Understand in depth Raman and UV-Visible spectroscopy.	80
		CO4	Learn the classification and characteristics of NQR, Mössbauer, ESR spectroscopy.	90
Analytical Chemistry Practicals	CHB 050	CO1	Learn in depth selection of analytical methods with suitable techniques.	100
		CO2	Understand in depth classical and instrumental methods.	100
		CO3	Learn in depth quantification of individual analytes.	100

		CO4	Identify the details of quantification of individual analytes.	100
Inorganic Chemistry Practicals	CHB 060	CO1	Specify the details of reagents required for analysis.	100
		CO2	Understand in depth experiment for quantitative analysis of inorganic samples such as ore, metals, complexes mixture of metals and complexes etc.	80
		CO3	Understand the classification and characteristics of semi-micro qualitative analysis.	100
		CO4	Learn the details of skills for the scientific and relevant documentation and risk and security assessment.	90
Organic Chemistry Practicals	CHB 070	CO1	Students are involved in the multi-step synthesis of different organic compounds.	100
		CO2	Understand the qualitative analysis of binary mixture of organic compounds through separation, identification of functional groups and preparation of solid derivatives.	100
Physical Chemistry Practicals	CHB 080	CO1	Understand the details of instruments like UV-Visible Spectrophotometer, Potentiometer, pH meter, etc.	100
		CO2	Learn the details of concentration of the species in given solutions using kinetic methods.	100
		CO3	Understand the characteristics of physical properties of substances.	100
		CO4	Learn the characteristics of different thermodynamic parameters.	100
Instrumental Methods of Analysis	CHC 010	CO1	Students will gain the knowledge on the differences between classical and instrumental methods of chemical analysis.	100
		CO2	Students will attain the state to explain different types of Instrumental methods employed in chemical analysis.	70
		CO3	Students are developed with the understanding of the range and theories of instrumental methods available in analytical chemistry.	80
		CO4	Student can make out the clear distinctions among spectrometric, electro-analytical, thermal and microscopic methods with respect principle, materials and procedural or operational aspects in each.	100
		CO5	Students gain the knowledge pertaining to the appropriate instrumental technique to be employed for the successful analysis of complex mixtures.	100
		CO6	Obtain the practical experience in selected instrumental methods of analysis.	80
		CO7	Develop the skills on instrumental methods for planning, developing, conducting, reviewing, conducting experiments and reporting results.	70
Spectroscopy	CHC 020	CO1	Understand in details with examples UV-Visible and IR spectroscopy.	100
		CO2	Understand in depth Nuclear magnetic resonance spectroscopy, Chemical shift.	70
		CO3	Learn the characteristics of ¹³ C-NMR spectroscopy.	100
Analytical Chemistry Practicals	CHC 210	CO1	Identify in details with examples selection of analytical methods with suitable techniques.	100
		CO2	Learn in details with examples Analyze various samples with different classical and simple instrumental skills.	100
		CO3	Learn in details with examples classical and instrumental methods.	100
		CO4	Understand the details of Propose and conduct experiment for quantification of individual analyte.	100
Inorganic Chemistry Practicals	CHC 220	CO1	Learn in depth analysis of various complex mixtures by multistep reactions.	100
		CO2	Understand the details of instruments and to overcome the general problems arises during the analysis.	100
		CO3	Learn in depth sampling, analytical and interpretation and presentation of results.	100
		CO4	Learn the details of Preparation and characterization of complexes.	100

Organic Chemistry Practicals	CHC 230	CO1	Learn in depth various estimations like sugars, enol content, ketones, nitro, protein etc.	100
		CO2	Learn in depth multistep synthesis and also mechanisms.	100
		CO3	Specify the details of reactions under multistep synthesis.	100
		CO4	Identify in depth isolation experiments, preliminary identification and separation.	100
Physical Chemistry Practicals	CHC 240	CO1	Learn the details of handling instruments and to overcome the general problems arises during the analysis.	100
		CO2	Learn the details of concepts of rate constants, energy of activation, order of the reaction.	100
		CO3	Learn in depth thermodynamics parameters.	100
		CO4	Specify in depth kinetics experiments.	100
Bioinorganic Chemistry	CHD 010	CO1	Understand in details with examples Structural and molecular biology, Bioenergetics, Sodium and potassium-channels and pumps, Biochemistry of calcium, Vitamin B12 and Coenzymes.	90
		CO2	CO2: Understand the characteristics of Electron transport proteins and redox enzymes, Non-redox metalloenzymes.	100
		CO3	CO3: Specify the classification and characteristics of Identify the details of Metal ion transport and storage, Oxygen transport and oxygen uptake proteins.	70
		CO4	CO4: Learn the details of Metals in medicine, Disease due to metal deficiency and treatment, Metal complexes as drugs and therapeutic agents, Treatment of toxicity.	100
Advanced Physical Chemistry	CHD 020	CO1	Learn in details with examples Understand the characteristics of Kinetics and Thermodynamics of Polymerization, Copolymerization, Polymer molecular weights, Conducting Polymers.	100
		CO2	Learn the characteristics of Polymer Degradation, Stability and Environmental Issues.	90
		CO3	Learn in depth Photochemistry, Mechanism of absorption and emission of radiation, Photophysical kinetics.	80
		CO4	Understand in depth Nuclear Chemistry, Radiation Chemistry.	80
Analytical Chemistry Practicals	CHD 210	CO1	Identify in details with examples selection of analytical methods with suitable techniques.	100
		CO2	Learn in details with examples Analyze various samples with different classical and simple instrumental skills.	100
		CO3	Learn in details with examples classical and instrumental methods.	100
		CO4	Understand the details of Propose and conduct experiment for quantification of individual analyte.	100
Inorganic Chemistry Practicals	CHD 220	CO1	Learn in depth analysis of various complex mixtures by multistep reactions.	100
		CO2	Understand the details of instruments and to overcome the general problems arises during the analysis.	100
		CO3	Learn in depth sampling, analytical and interpretation and presentation of results.	100
		CO4	Learn the details of Preparation and characterization of complexes.	100

Organic Chemistry Practicals	CHD 230	CO1	Learn in depth various estimations like sugars, enol content, ketones, nitro, protein etc.	100
		CO2	Learn in depth multistep synthesis and also mechanisms.	100
		CO3	Specify the details of reactions under multistep synthesis.	100
Physical Chemistry Practicals	CHD 240	CO4	Identify in depth isolation experiments, preliminary identification and separation.	100
		CO1	Learn the details of handling instruments and to overcome the general problems arises during the analysis.	100
		CO2	Learn the details of concepts of rate constants, energy of activation, order of the reaction.	100
		CO3	Learn in depth thermodynamics parameters.	100
Project /Dissertation Work	CHD 250	CO1	Understand in details with examples literature survey on the problem/s to be solved.	100
		CO2	Learn the details of suitable research methodologies to propose and to perform experiments.	100
		CO3	Understand in depth ability to take up research work.	90
		CO4	Understand the details of research articles, patents, book chapters or books on relevant research problem.	100
		CO5	Learn in depth skills of writing research reports in the form of articles or thesis.	100

1. Direct Assessment:

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CHA 090	92.1	92.1	92.1	92.1	92.1	92.5	92.5	92.5	92.5			
CHA 100	100	100	98	100	100	98	100	100		100		
CHA 110	100	100	100	100	100	100	100	100	94	100	33	50
CHA 120	100	100	100	100	100	100	100	100	95	100	50	33
CHA 050	100	100	100	100	100	100	100	100	100	100	100	100
CHA 060	78.23	100	99	100	100	99	100	100		100		
CHA 070	100	100	100	100	100	100	100	100	100	100	100	100
CHA 080	100	100	100	100	100	100	100	100	100	100	100	100
CHB 090	98.0	100	96.7	88.0	93.3	90.0	100	100	100			
CHB 100	96	100	98.23	100	100	98.2	100	100		99		
CHB 110	100	100	100	100	100	100	100	100	94	100	33	50
CHB 120	100	100	100	100	100	100	100	100	95	100	50	33
CHB 050	100	100	100	100	100	100	100	100	100	100	100	100
CHB 060	100	100	99	100	100	99	100	100		100		
CHB 070	100	100	100	100	100	100	100	100	100	100	100	100
CHB 080	100	100	100	100	100	100	100	100	100	100	100	100
CHC 010	100	100	100	100	100	100	100	100	100	100	100	100
CHC 020	100.0	70.0	70.0	80.0	80.0	100.0	100.0	82.5	70.0	100.0		
CHC 210	100	100	100	100	100	100	100	100	100	100	100	100
CHC 220	99	100	98.23	100	100	98	100	100		99		
CHC 230	100	100	100	100	100	100	100	100	100	100	100	100
CHC 240	100	100	100	100	100	100	100	100	100	100	100	100
CHD 010	97	100	100	100	100	98	100	100		98		
CHD 020	100	100	100	100	100	100	100	100	95	100	50	33
CHD 210	100	100	100	100	100	100	100	100	100	100	100	100
CHD 220	100	100	99	100	100	99	100	100		100		
CHD 230	100	100	100	100	100	100	100	100	100	100	100	100
CHD 240	100	100	100	100	100	100	100	100	100	100	100	100
CHD 250	100	100	98.23	100	100	100	100	100		98		
Average	98.63	98.69	98.22	98.62	98.81	99.02	99.74	99.14	96.93	99.78	84.22	83.28
Av*0.8	78.91	78.95	78.58	78.90	79.05	79.22	79.79	79.31	77.54	79.82	67.38	66.62

2. Indirect Assessment

Response by	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
Students	100	100	100	100	100	100	100	100	100	100	100	100
Teachers	100	100	100	100	100	100	100	100	100	100	100	100
Parents	100	100	100	100	100	100	100	100	100	100	100	100
Alumni	100	100	100	100	100	100	100	100	100	100	100	100
Employers	100	100	100	100	100	100	100	100	100	100	100	100
Average	100	100	100	100	100	100	100	100	100	100	100	100
Av*0.2	20	20	20	20	20	20	20	20	20	20	20	20

% Attainment

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
Overall PO/PSO attainment = Attainment (Direct)+Attainment (In-direct)	98.91	98.95	98.58	98.90	99.05	99.22	99.79	99.31	97.54	99.82	87.38	86.62

JSS Mahavidyapeetha
JSS College of Arts, Commerce and Science
 Ooty Road, Mysuru

Department: PG

Programme Name: Computer Science

Programme Code: MCSC01

Session/Year - 2018-19

List of POs & PSOs

POID	PO Statement	%Attainment (Overall)*
PO1	Identify, formulate, and solve computer science problems	60.22
PO2	Design, implement, test, and evaluate a computer system, component, or algorithm to meet desired needs	57.33
PO3	Receive the broad education necessary to understand the impact of computer science solutions in a global and societal context	67.56
PO4	Communicate effectively	58.67
PO5	Success in research or industry related to computer science	51.78
PSO1	Programmers or the Software Engineers with the sound knowledge of practical and theoretical concepts for developing software.	67.11
PSO2	Serve as the Computer Engineers with enhanced knowledge of computers And its building blocks. Work as the Hardware Designers/Engineers with the knowledge of Networking Concepts.	64.44
PSO3	Work as the System Engineers and System integrators Serve as the System Administrators with thorough knowledge of DBMS.	75.56
PSO4	Work as the Support Engineers and the Technical Writers	66.89
PSO5	Work as IT Sales and Marketing person.	59.22
PSO6	Serve as the IT Officers in Banks and cooperative societies.	60.89
PSO7	Computer Scientist in research and R & D laboratories.	54.67

Course Title: DATA STRUCTURES & ALGORITHMS

Course Code: CSA100

Name of Course In-charge/Coordinator: Mrs. Apoorva S

List of COs

CO ID	CO Statement	%Attainment
CO1	Select appropriate data structures as applied to specified problem definition.	100
CO2	Implement operations like searching, insertion, and deletion, traversing mechanism etc. on various data structures.	100
CO3	Implement Linear and Non-Linear data structures.	100
CO4	Implement appropriate sorting/searching technique for given problem.	100
CO5	Design advance data structure using Non Linear data structure.	100

Course Title: System Software

Course Code:CSA110

Name of Course In-charge/Coordinator: Mrs. Sumanashree Y S

List of COs

CO ID	CO Statement	%Attainment
CO1	Understand fundamentals of language processing and grammar	100
CO2	Apply knowledge of compilation and code optimization steps to mimic a simple compiler	100
CO3	Demonstrate the working of various system software like assembler, loader, linker, editor and device driver	100

Course Title: Computer Networks

Course Code: CSA120

Name of Course In-charge/Coordinator: Mrs.Geethanjali R

List of COs

CO ID	CO Statement	%Attainment
CO1	Master the terminology and concepts of the OSI reference model and the TCP-IP reference model.	100
CO2	Study the basic taxonomy and terminology of the computer networking and enumerate the layers of OSI model and TCP/IP model.	100
CO3	Master the concepts of protocols, network interfaces, and design/performance issues in local area networks and wide area networks	100
CO4	Acquire knowledge of Application layer and Presentation layer paradigms and protocols.	100
CO5	Study Session layer design issues, Transport layer services, and protocols.	100

Course Title: Discrete Mathematics

Course Code:CSA260

Name of Course In-charge/Coordinator : Smt. Sumanashree Y S

List of COs

CO ID	CO Statement	%Attainment
CO1	Construct simple mathematical proofs and possess the ability to verify them.	100
CO2	Have substantial experience to comprehend formal logical arguments .	100
CO3	Skillfull in expressing mathematical properties formally via the formal language of propositional logic and predicate logic.	90
CO4	Specify and manipulate basic mathematical objects such as sets, functions, and relations and will also be able to verify simple mathematical properties that these objects possess.	100
CO5	Apply basic counting techniques to solve combinatorial problems .	100

Course Title: Java Programming

Course Code:CSA270

Name of Course In-charge/Coordinator: Mrs.Mamatha N

List of COs

CO ID	CO Statement	%Attainment
CO1	Understand concept of Object Oriented Programming & Java Programming	100
CO2	Understand basic concepts of Java such as operators, classes, objects, inheritance, packages ,Enumeration and various keywords.	100
CO3	Understand the concept of exception handling and Input/Output operations.	100
CO4	Design the applications of Java & Java applet.	100
CO5	Analyze & Design the concept of Event Handling and Abstract Window Toolkit.	100

Course Title: Analysis and Design of Algorithms

Course Code:CSB060

Name of Course In-charge/Coordinator: Mrs.Apoorva S

List of COs

CO ID	CO Statement	%Attainment
CO1	Analyze different scenarios for running time of algorithms using asymptotic notations and Design using Recursion.	100
CO2	Apply divide and conquer strategy for design of various algorithms.	100
CO3	Develop algorithms for well known problems using greedy methods.	100
CO4	Describe and apply dynamic-programming approach for designing graph and matrix based algorithms.	100
CO5	Understand the concept of backtracking for traversal and search algorithms.	100

Course Title: Operating System and UNIX

Course Code: CSB070

Name of Course In-charge/Coordinator: Kum. Mamatha N

List of COs

CO ID	CO Statement	%Attainment
CO1	Understand device drivers	100
CO2	Write applications with improved performance and stability	100
CO3	Write set of small commands and utilities that do specific tasks well	100
CO4	Run multiple programs each at the same time without interfering with each other or crashing the system.	100
CO5	Implement Commands of UNIX.	100

Course Title: Computer Graphics

Course Code: CSB080

Name of Course In-charge/Coordinator: Mrs.Geethanjali R

List of COs

CO ID	CO Statement	%Attainment
CO1	Utilize the components of a graphics system and become familiar with building approach of graphics system components and algorithms related with them.	100
CO2	Learn the basic principles of 3- dimensional computer graphics.	100
CO3	Provide an understanding of how to scan convert the basic geometrical primitives, how to transform the shapes to fit them as per the picture definition.	100
CO4	Provide an understanding of mapping from a world coordinates to device coordinates, clipping, and projections	100
CO5	Implement the applications of computer graphics concepts in the development of computer games, information visualization, and business applications	100

Course Title: Graph Theory

Course Code: CSB270

Name of Course In-charge/Coordinator: Mrs.Sumanashree Y S

List of COs

CO ID	CO Statement	%Attainment
CO1	Explain basic concepts in combinatorial graph theory	100
CO2	Define how graphs serve as models for many standard problems	100
CO3	Discuss the concept of graph, tree, Euler graph, cut set and Combinatorics.	100
CO4	See the applications of graphs in science, business and industry.	100

Course Title: .NET Technologies

Course Code:CSB280

Name of Course In-charge/Coordinator: Mrs. Geethanjali R

List of COs

CO ID	CO Statement	%Attainment
CO1	Design web applications using .NET	100
CO2	Use .NET controls in web applications.	100
CO3	Debug and deploy .NET web applications	100
CO4	Create database driven .NET web applications and web services	100
CO5	Analyze & Design the concept of Event Handling and Abstract Window Toolkit.	100

Course Title: Software Engineering

Course Code: CSC040

Name of Course In-charge/Coordinator: Mrs. Geethanjali R

List of COs

CO ID	CO Statement	%Attainment
CO1	Understand the nature of software development and software life cycle process models, agile software development, SCRUM and other agile practices.	90
CO2	Learn methods of capturing, specifying, visualizing and analyzing software requirements.	100
CO3	Understand concepts and principles of software design and user-centric approach and principles of effective user interfaces.	100

CO4	Basics of testing and understanding concept of software quality assurance and software configuration management process.	100
CO5	Understand need of project management and project management life cycle.	100

Course Title: Database Management System

Course Code: CSC060

Name of Course In-charge/Coordinator: Mrs.Sumanashree Y S

List of COs

CO ID	CO Statement	%Attainment
CO1	Explain the features of database management systems and Relational database.	100
CO2	Design conceptual models of a database using ER modelling for real life applications and also construct queries in Relational Algebra.	100
CO3	Create and populate a RDBMS for a real life application, with constraints and keys, using SQL.	100
CO4	Retrieve any type of information from a data base by formulating complex queries in SQL.	100
CO5	Analyze the existing design of a database schema and apply concepts of normalization to design an optimal database.	100

Course Title: Theory of Languages

Course Code: CSC070

Name of Course In-charge/Coordinator: Mrs.Apoorva S

List of COs

CO ID	CO Statement	%Attainment
CO1	Design different types of Finite Automata and Machines as Acceptor, Verifier and Translator.	100
CO2	Understand, design, analyze and interpret Context Free languages, Expression and Grammars.	100
CO3	Design different types of Push down Automata as Simple Parser.	100
CO4	Design different types of Turing Machines as Acceptor, Verifier, Translator and Basic computing machine	100

Course Title: Computer Fundamentals

Course Code: CSC630

Name of Course In-charge/Coordinator: Mrs.Mamatha N

List of COs

CO ID	CO Statement	%Attainment
CO1	. Use technology ethically, safely, securely, and legally.	100
CO2	. Identify and analyze computer hardware, software, and network components	100
CO3	. Design basic business web pages using current HTML/CSS coding standards	100
CO4	. Install, configure, and remove software and hardware.	100

Course Title: Data Mining

Course Code:CSD230

Name of Course In-charge/Coordinator: Mrs.Apoorva .S

List of COs

CO ID	CO Statement	%Attainment
CO1	Demonstrate an understanding of the importance of data mining and the principles of business intelligence	100
CO2	Organize and Prepare the data needed for data mining using pre -processing techniques	100
CO3	Perform exploratory analysis of the data to be used for mining.	100
CO4	Implement the appropriate data mining methods like classification, clustering or Frequent Pattern mining on large data sets.	100
CO5	Define and apply metrics to measure the performance of various data mining algorithms.	100

Course Title: Internet Technology

Course Code:CSD220

Name of Course In-charge/Coordinator: Mrs. Sumanashree Y S

List of COs

CO ID	CO Statement	%Attainment
CO1	Develop analytical ability in network technology	
CO2	Create quality websites	100
CO3	Work individually as a web designer and set up their own business	100
CO4	Get the job opportunities in most companies for professional web designers and build websites more visually elegant and interactive	100
CO5	Implement interactive web page(s) using HTML, CSS and JavaScript.	100

JSS Mahavidyapeetha
JSS College of Arts, Commerce and Science
 Ooty Road, Mysuru

Department: PG Mathematics

Programme Name: M.Sc.,

Programme Code:

Session/Year:2018-19

List of POs & PSOs

POID	PO Statement	%Attainment (Overall)*
PO1	To move away from the conventional pedagogy of teaching mathematics	85.62
PO2	To include methods of facilitating learning such as projects, group work and participative learning	81.34
PO3	To Innovate, invent and solve complex mathematical problems using the knowledge of pure and applied mathematics	80.69
PO4	To impart knowledge of some basic concepts and principles of the discipline	82.6
PO5	To establish inter-disciplinarily between mathematics and other subjects from Humanities and the Social Sciences.	75.71
PO6	To provide in-service training for school teachers. To learn to apply mathematics to real life situations and help in problem solving	79.22
PSO1	Explain the importance of mathematics and its techniques to solve real life problems and provide the limitations of such techniques and the validity of the results	84.61
PSO2	Propose new mathematical and statistical questions and suggest possible software	79.42
PSO3	Continue to acquire mathematical and statistical knowledge and skills appropriate to	79.71
PSO4	Ability to use computer calculations as a tool to carry out scientific investigations and	76.94
PSO5	Crack lectureship and fellowship exams approved by UGC like CSIR – NET and SLET.	89.88
PSO6	Apply knowledge of Mathematics, in all the fields of learning including higher research and its extensions.	86.97

*Average from all the courses.

After converting direct attainment to 80% and indirect attainment to 20%, give overall attainment as summation of the above.

Send the sample filled in survey forms for indirect assessment.

Course Title: Algebra-I

Course Code:MAA010

Name of Course In-charge/Coordinator: Dr. N. Ravikumar

List of COs

CO ID	CO Statement	%Attainment
CO1	Define and interpret the concepts of divisibility, congruence, greatest common divisor, prime, and prime-factorization and Apply the Law of Quadratic Reciprocity	90
CO2	To analyze and demonstrate examples of subgroups, normal subgroups and quotient groups.	90
CO3	Assess properties implied by the definitions of groups and To use the concepts of isomorphism and homomorphism for groups	80
CO4	Analyze Permutation groups and the Class Equation and Sylow theorems	90
CO5	To demonstrate knowledge of conjugates.	100

Course Title: Real Analysis-I

Course Code:MAA020

Name of Course In-charge/Coordinator: Dr. VEENA.C.R

CO ID	CO Statement	%Attainment
CO1	Understand the characteristics of extended real number system, the n-dimensional Euclidean space	100
CO2	Study the details of inequalities and its applications	90
CO3	Learn the characteristics of sequences and Cauchy's sequences ,upper and lower limits	90
CO4	Understand the details of series of real numbers ,tests for convergence	80
CO5	Learn in detail with examples-multiplication of series, double series, infinite products	80

Course Title: Real Analysis-II

Course Code:MAA030

Name of Course In-charge/Coordinator: Dr. Shilpa N

CO ID	CO Statement	%Attainment
CO1	Deliberate in depth the basic topological properties of the subsets of the real numbers	80
CO2	Understand in details with examples, Continuity of functions	100
CO3	Deliberate the details of Differentiability, mean value theorems	90
CO4	Learn the details of The Riemann-Stieltje's integral	90
CO5	Identify in detail Integration and differentiation with examples.	80

Course Title: Complex Analysis-I

Course Code:MAA040

Name of Course In-charge/Coordinator: Dr. Veena C R

CO ID	CO Statement	%Attainment
CO1	Understand the characteristics of represent complex numbers algebraically and geometrically, Study stereographic projection	100
CO2	Understand the characteristics lines and circles	90
CO3	Study the characteristics of analytic functions, Cauchy-Riemann equations and harmonic functions	90

CO4	Learn in depth sequences and series , uniform convergence of power series and entire functions	80
CO5	Learn in detail with examples-linear fractional transformations, cross ratio, symmetry, conformal mapping, evaluate definite integrals	90
CO6	Understand different types of Cauchy theorems and Cauchy integral formula and apply these to evaluate integrals	90

Course Title: Linear Algebra

Course Code:MAA210

Name of Course In-charge/Coordinator: Dr. Shilpa N

Linear Algebra	CO1	Learn in depth Vector Spaces, Subspaces	90
	CO2	Understand the classification and characteristics of Determinants	80
	CO3	Learn in details Inner Products and Norms with examples	90
	CO4	Deliberate the details of normal and Self-Adjoint Operators	80
	CO5	Analyse the classification and characteristics of The Diagonal form, The Triangular form and its applications	100

Course Title: Algebra -II

Course Code:MAB010

Name of Course In-charge/Coordinator: Dr. N Ravikumar

Algebra II	CO1	Assess properties implied by the definitions of rings	100
	CO2	Analyze and demonstrate examples and properties of ideals and quotient rings	90
	CO3	Demonstrate knowledge of polynomial rings and associated properties	90
	CO4	Derive and apply Gauss Lemma, Eisenstein criterion for irreducibility of rationals with examples	90
	CO5	Understand the characteristic of a field and the prime subfield	80

Course Title:Real Analysis -III

Course Code:MAB020

Name of Course In-charge/Coordinator: Dr. Shilpa N

Real Analysis III	CO1	Deliberate in details with examples Sequences and series of functions	100
	CO2	Understand the characteristics of Uniform convergence continuity,differentiation and integration with examples	80
	CO3	Identify in details with examples Improper integrals and their convergence	90
	CO4	Understand in depth Functions of several variables	80
	CO5	Specify the details of Taylor's theorem, the Maxima and Minima	90

Course Title: Complex Analysis -II

Course Code:MAB030

Name of Course In-charge/Coordinator: Dr.Veena C R

Complex Analysis-II	CO1	Understand in details with application-the residue theorem, evaluation of definite integrals	100
	CO2	Understand in details with properties of harmonic functions	90
	CO3	Understand in depth of power series expansions, Weierstrass theorem	90
	CO4	Learn in detail with examples-partial fractions, study the characteristics of infinite products, canonical products	80
	CO5	Study the characteristics of the gamma and beta functions, and entire functions	100

Course Title: Ordinary and Partial Differential Equations

Code:MAB210

Name of Course In-charge/Coordinator: Dr. N Ravikumar

ODPDE	CO1	Solve problems in ordinary differential equations, dynamical systems, stability theory and a number of applications to scientific and engineering problems	100
	CO2	The study of Differential focuses on the existence and uniqueness of solutions also emphasizes the rigorous justification of methods for approximating solutions in pure and applied mathematics by using power series method some polynomials.	90
	CO3	Recognize the major classification of PDEs and the qualitative differences between the classes of equations	80
	CO4	Be competent in solving linear PDEs using classical solution methods.	90
	CO5	Theory of differential equations is widely used in formulating many fundamental laws of physics and chemistry.	90

Course Title: Graph Theory

Course Code:MAB230

Name of Course In-charge/Coordinator: Dr. Veena C R

Graph theory	CO1	Construct examples and proofs pertaining to the basic theorems	80
	CO2	Understand the characteristics of external graphs, intersection graphs, operations on graph	90
	CO3	Write down in detail with examples of cut points, bridges, blocks and block graph	90
	CO4	Specify the characteristics of trees, centers, and centroids, spanning tree	100
	CO5	Identify the details of connectivity and the line connectivity, coverings, independence	80

Course Title: Elements of Functional Analysis

Course Code:MAC010

Name of Course In-charge/Coordinator: Dr.N Ravikumar

Elements Functional Analysis	CO1	Explain the fundamental concepts of functional analysis.	90
	CO2	Understand the approximation of continuous functions on linear spaces	90
	CO3	Understand concepts of Hilbert and Banach spaces	80
	CO4	Understand the definitions of linear functional and prove the Hahn-Banach theorem, open mapping theorem, uniform boundedness theorem, etc.	100
	CO5	Define linear operators, self adjoint, isometric and unitary operators on Hilbert spaces	80

Course Title: Topology-I

Course Code:MAC020

Name of Course In-charge/Coordinator: Dr.Veena C R

Topology-I	CO1	Deliberate in details with applications, topological spaces, basis for a topology, the order topology, subspace topology and product topology	90
	CO2	Learn in depth with closed set and limit point, continuous functions(defined in terms of open sets)	80
	CO3	Learn in details with examples-the product topology ,metric topology, quotient topology	100
	CO4	Understand in depth connected spaces , connected sets on the real line , path connectedness	80
	CO5	Deliberate the characteristics of compact spaces, compact sets on the real line, limit point compactness, local compactness	90

Course Title: Commutative Algebra

Course Code:MAC210

Name of Course In-charge/Coordinator: Dr.Shilpa N

Commutative Algebra	CO1	Understand in depth commutative ring and local rings with examples	100
	CO2	Learn the characteristics of Nil radical and Jacobson radical and prime spectrum of a ring	80
	CO3	Understand the characteristics of Noetherian and Artinian module	90
	CO4	Identify in details with examples Free modules, Finitely generated modules, Simple modules, Exact sequences of modules	80
	CO5	Specify the characteristics of Noetherian rings and Artinian rings	90

Course Title: Theory of Numbers **Course Code:MAC220**
Name of Course In-charge/Coordinator: Dr.N Ravikumar

Theory of Numbers	CO1	Know the diophantine equations, prime numbers, irrational numbers and prime-factorization	90
	CO2	Define and interpret the concepts of Arithmetical Functions and Dirichlet product of Arithmetical functions	80
	CO3	Provide precise definitions and appropriate examples and counter examples of Representation of a number by two or four squares, Fibonnaci and perpect number	90
	CO4	Know the continued fractions	100

Course Title: Basic Mathematics **Course Code:MACC660**
Name of Course In-charge/Coordinator: Asha

Basic Mathematics	CO1	Write an argument using logical notation and determine if the argument is or is not valid	80
	CO2	Identify sets as well defined collections, represents sets in roster and set builder form,	100
	CO3	CO3 Identify the subsets of the given sets, find the complement of a subset of a given Set, within a given universe. Represent venn diagram using sets.	100
	CO4	Use the simple method to solve small linear programming models by hands, given a basic feasible point	90
	CO5	Understand the definitions of graphs, path, connectedness, cut vertex, bridge, blocks of a graph.	80
	CO6	Study the properties of trees and matrix of a graph	90

Course Title: Measure and Integration **Course Code:MAD010**
Name of Course In-charge/Coordinator: Dr Shilpa N

Measure and Integration	CO1	Understand in details with examples Lebesgue measure, outer measure	100
	CO2	Learn the characteristics of measurable sets and measurable functions	90
	CO3	Deliberate in details with examples of Integration of measurable functions	80
	CO4	Learn in details with examples, functions of bounded variation, differentiation of an integral, absolute continuity	90
	CO5	Understand in depth the general measure theory	90

Course Title: Topology-II **Course Code:** MAD020

Name of Course In-charge/Coordinator: Dr.Veena C R

Topology-II	CO1	Deliberate the classification and characteristics of the countability axioms , the separation axioms	90
	CO2	Understand the details of Urysohn's lemma , Tietze's extension theorem, partitions of unity	100
	CO3	Discuss Tychonoff's theorem, local finiteness, Paracompactness	90
	CO4	Familiar with the construction of the fundamental group of a topological space and applications to covering spaces	80

Course Title: Differential Geometry **Course Code:** MAD230

Name of Course In-charge/Coordinator: Dr.Shilpa N

Differential Geometry	CO1	To introduce the fundamentals of differential geometry primarily by focussing on the theory of curves and surfaces in three space.	90
	CO2	To compute quantities of geometric interest such as curvature, as well as develop a facility to compute in various specialized systems	100
	CO3	The theory of surfaces introduces the fundamental quadratic forms of a surface, intrinsic and extrinsic geometry of surfaces, and the Gauss theorem	90
	CO4	Introduce the method of the moving frame and overdetermined systems of differential equations as they arise in surface theory.	80

Course Title: Theory of Partitions **Course Code:** MAD220

Name of Course In-charge/Coordinator: Dr.N Ravikumar

Theory of Partitions	CO1	Know the definitions of partitions , Euler's theorem on $p(n)$	100
	CO2	CO2 Apply the q-binomial theorem and Ramanujan $1\psi_1$ - summation formula	80
	CO3	Know the congruence of partition	90
	CO4	To apply the q-series	90

JSS Mahavidyapeetha
JSS College of Arts, Commerce and Science
Ooty Road, Mysuru

Department: PG Physics

Programme Name: MSc Physics

Programme Code:PHY13

Session/Year 2018-2019

List of POs

POID	PO Statement	%Attainment (Overall)*
PO1	Identify, formulate and analyze complex problems using first principles.	51.40
PO2	A research oriented learning to develop analytical problem-solving approaches.	55.88
PO3	Understand the basic concepts, fundamental principles and the scientific Theories.	52.26
PO4	Acquire skills in handling scientific instruments, planning and performing in laboratory experiments	53.59
PO5	Think creatively in explaining solutions to the problems	57.50

*Average from all the courses.

After converting direct attainment to 80% and indirect attainment to 20%, give overall attainment as summation of the above.

Send the sample filled in survey forms for indirect assessment.

Course Title: Classical Mechanics

Course Code: PHY101

Name of Course In-charge/Coordinator: Dr. Pushpa. N

List of COs

CO ID	CO Statement	%Attainment
CO1	Deliberate the characteristics of Mechanics of a system of particles	100
CO2	Specify in depth The Lagrangean method	87.1
CO3	Learn in details with examples Central forces	98.39
CO4	Write down the details of Hamilton's equations	90.32
CO5	Deliberate the characteristics of Canonical transformations	90.32

Course Title: Mathematical Methods of Physics 1

Course Code: PHY102

Name of Course In-charge/Coordinator: Dr. Vijaya Manjunath Guru

List of COs

CO ID	CO Statement	%Attainment
CO1	Specify the characteristics of Curvilinear coordinates and Tensors	96.88
CO2	Write down in depth Tensors	82.81
CO3	Learn in details with application, if applicable, Differential equations, Hermite function and Laguerre functions	95.31
CO4	Write down the details of Special functions	87.50
CO5	Write down in details with application, if applicable, Bessel functions	87.50

Course Title: Mathematical Methods of Physics 2

Course Code: PHY103

Name of Course In-charge/Coordinator: Mr. Sunil Kumar. C

List of COs

CO ID	CO Statement	%Attainment
CO1	Understand the classification and characteristics of Linear vector space	96.88
CO2	Specify the characteristics of Linear representations of groups	95.31
CO3	Deliberate in details with application, if applicable, Rotation group	90.63
CO4	Understand the details of Fourier transforms	93.75
CO5	Understand in details with examples Integral equations	85.94

Course Title: Optics, Classical Electrodynamics, Plasma Physics **Course Code:** PHY104

Name of Course In-charge/Coordinator: Dr. K. Padma Prasad

List of COs

CO ID	CO Statement	%Attainment
CO1	Write down in details with examples Electric multipole moments	92.19
CO2	Deliberate the characteristics of Potential formulation	71.88
CO3	Specify in details with application, if applicable, Fields of moving charges and radiation	90.63
CO4	Learn the characteristics of Radiating systems	73.44
CO5	Learn the details of Relativistic electrodynamics	90.63

Course Title: Continuum Mechanics and Relativity

Course Code: PHY201

Name of Course In-charge/Coordinator: Dr. K. Padma Prasad

List of COs

CO ID	CO Statement	%Attainment
CO1	Write down the details of Continuum mechanics of solid media	90.63
CO2	Understand the characteristics of Fluid mechanics	71.88
CO3	Deliberate in details with examples Minkowski space-time	89.06
CO4	Specify the classification and characteristics of Relativistic mechanics of a material particle	60.94
CO5	Specify the characteristics of Einstein's equations	76.56

Course Title: Thermal Physics

Course Code: PHY202

Name of Course In-charge/Coordinator: Dr. Pushpa. N

List of COs

CO ID	CO Statement	%Attainment
CO1	Identify the classification and characteristics of Thermodynamics Preliminaries	70.31
CO2	Deliberate in depth Entropy	82.81
CO3	Specify in depth Phase equilibria	92.19
CO4	Deliberate the characteristics of Classical Statistical Mechanics	81.25
CO5	Deliberate the classification and characteristics of Quantum Statistical Mechanics	85.94

Course Title: Quantum Mechanics 1

Course Code: PHY203

Name of Course In-charge/Coordinator: Mr. Sunil Kumar. C

List of COs

CO ID	CO Statement	%Attainment
CO1	Understand in depth The wave function and uncertainty Principle	82.81
CO2	Specify in depth Formalism of quantum mechanics	59.38
CO3	Understand the details of Schrodinger equation in one dimension	82.81
CO4	Deliberate the details of Angular Momentum	64.06
CO5	Understand in depth Schrodinger equation in three dimensions	71.88

Course Title: Spectroscopy and Fourier Optics

Course Code: PHY204

Name of Course In-charge/Coordinator: Dr. K. Padma Prasad

List of COs

CO ID	CO Statement	%Attainment
CO1	Specify the details of Atomic spectroscopy	68.45
CO2	Identify in details with application, if applicable, Nuclear magnetic resonance	89.06
CO3	Specify in depth Microwave spectroscopy	84.38
CO4	Specify in depth Infrared spectroscopy	71.88
CO5	Write down in details with application, if applicable, Raman spectroscopy	76.56

Course Title: Quantum Mechanics 2

Course Code: PHY301

Name of Course In-charge/Coordinator: Mr. Sunil Kumar. C

List of COs

CO ID	CO Statement	%Attainment
CO1	Learn in details with application, if applicable, The time-independent perturbation theory	96.61
CO2	Learn the characteristics of The Variational Principle	94.92
CO3	Understand in details with application, if applicable, WKB Approximation	94.92
CO4	Deliberate in details with examples Adiabatic approximation	88.14
CO5	Deliberate in details with application, if applicable, Time-dependent perturbation theory	67.8

Course Title: Condensed Matter Physics

Course Code: PHY302

Name of Course In-charge/Coordinator: Dr. K. Padma Prasad

List of COs

CO ID	CO Statement	%Attainment
CO1	Write down the classification and characteristics of X-ray crystallography	94.92
CO2	Identify in details with examples Atomic scattering factor	91.53
CO3	Specify in details with examples Electron and neutron diffraction	93.22
CO4	Identify in details with examples Crystal growth techniques	88.14
CO5	Learn the details of Disordered materials	84.75

Course Title: Nuclear and Particle Physics
Name of Course In-charge/Coordinator: Dr. Pushpa. N

Course Code: PHY303

List of COs

CO ID	CO Statement	%Attainment
CO1	Specify in details with application, if applicable, Properties of the Nucleus	98.31
CO2	Learn in details with application, if applicable, Nuclear Models	81.36
CO3	Specify the characteristics of Nuclear reactions	98.31
CO4	Deliberate in depth Nuclear decay modes	62.71
CO5	Understand the classification and characteristics of Interaction of nuclear radiation with matter	91.53

Course Title: Solid State Physics 1
Name of Course In-charge/Coordinator: Dr. Vijaya Manjunath Guru

Course Code: PHY304

List of COs

CO ID	CO Statement	%Attainment
CO1	Specify in details with application, if applicable, basic concepts of properties of Solid	93.75
CO2	Deliberate in details with application, if applicable, Dielectrics; Properties and classification	96.88
CO3	Specify the classification and characteristics of Ferroelectrics; Properties and classification	90.63
CO4	Specify the characteristics of thermal and vibrational properties of solids	75
CO5	Learn the characteristics of tight-binding approximation	81.25

Course Title: Nuclear Physics 1
Name of Course In-charge/Coordinator: Mr. Sunil Kumar .C

Course Code: PHY305

List of COs

CO ID	CO Statement	%Attainment
CO1	Specify in details with examples Nuclear detectors	100
CO2	Understand in depth Nuclear pulse techniques	100
CO3	Learn the details of Shell model	100
CO4	Understand the classification and characteristics of Collective model	96.3
CO5	Identify the classification and characteristics of Nilsson model	100

Course Title: Solid State Physics 2

Course Code: PHY401

Name of Course In-charge/Coordinator: Dr. K. Padma Prasad

List of COs

CO ID	CO Statement	%Attainment
CO1	Learn the details of X-ray diffraction by crystals	100
CO2	Identify the details of Experimental techniques	96.88
CO3	Deliberate in depth Structure analysis	96.88
CO4	Learn the classification and characteristics of Particle Size study of Fibre structure	43.75
CO5	Specify in depth Imperfections in solids	75

Course Title: Solid State Physics 3

Course Code: PHY402

Name of Course In-charge/Coordinator: Dr. K. Padma Prasad

List of COs

CO ID	CO Statement	%Attainment
CO1	Write down in details with application, if applicable, Free electron theory of metals	100
CO2	Identify the characteristics of Electrical conductivity	93.75
CO3	Deliberate in details with examples Hall effect	96.88
CO4	Write down the classification and characteristics of Elemental and Compound Semiconductors	59.38
CO5	Deliberate in details with application, if applicable, Carrier concentrations	75

Course Title: Nuclear Physics 2

Course Code: PHY403

Name of Course In-charge/Coordinator: Dr. N. Pushpa

List of COs

CO ID	CO Statement	%Attainment
CO1	Write down the details of nuclear fission	96.30
CO2	Write down in details with application, if applicable, Neutron transport equation using elementary diffusion theory	96.30
CO3	Specify the details of Fermi age theory	96.30
CO4	Specify in depth homogeneous reactor	100
CO5	Write down the details of nuclear fission	96.30

Course Title: Nuclear Physics 3

Course Code: PHY404

Name of Course In-charge/Coordinator: Mr. Sunil Kumar

List of COs

CO ID	CO Statement	%Attainment
CO1	Write down the details of Deuteron	100
CO2	Understand in details with application, if applicable, Deuteron magnetic and Quadrupole moments	100
CO3	Understand the details of Nucleon-nucleon scattering processes	88.89
CO4	Write down in details with examples Theory of scattering of slow neutrons	92.59
CO5	Specify in details with examples Plane wave theory of direct reactions	77.78

Course Title: Accelerator Physics

Course Code: PHY407

Name of Course In-charge/Coordinator: Dr. Pushpa N

List of COs

CO ID	CO Statement	%Attainment
CO1	Specify in details with application, if applicable, ion Source	83.05
CO2	Deliberate the details of Alternating gradient machines	100.00
CO3	Understand the working of Betatron	88.14
CO4	Learn the details of Ion sources	84.75
CO5	Write down the characteristics of Townsend theory	91.53

Course Title: Electronics

Course Code: PHY413

Name of Course In-charge/Coordinator: Mr. Sunil Kumar. C

List of COs

CO ID	CO Statement	%Attainment
CO1	Learn analyzing digital and analog devices and circuits	83.05
CO2	Analyze components associated with digital and analog electronic systems	100
CO3	Demonstrate proficiency in the use of electronic equipment and devices	89.83

CO4	Assist in the design, operation, and troubleshooting of electronic systems	88.14
CO5	Analyze electronics devices and circuits using computer simulations	89.83

JSS Mahavidyapeetha
JSS College of Arts Commerce and Science
Ooty road, Mysuru

Department: PG Commerce
Programme Name: M.Com
Session/Year: 2018-19

Programme Code: 1001

PSO Attainment

Sl.No	PSO ID	PSO Statement	PSO Attainment	% Attainment
1	PSO1	Inculcate the knowledge of business and the techniques of managing the Business with special focus on Accounting, finance, and financial services	2.56	85.33
2	PSO2	Identify knowledge based accounting principles and the latest application oriented corporate accounting methods.	2.67	89.00
3	PSO3	Develop decision making skill through costing methods and practical application of management accounting principles.	2.45	81.66
4	PSO4	Enhance taxation skills through a thorough understanding of tax laws	2.42	80.66

PO Attainment

Sl.No	PO ID	PO Statement	PO Attainment	% Attainment
1	PO1	Understand role of accounting and finance in the present business scenario.	2.30	76.66
2	PO2	Identify the latest trends in banking and finance	2.67	89.00
3	PO3	Use wide varieties of tools and techniques to meet the emerging opportunities and challenges	2.95	98.33
4	PO4	Become an entrepreneur based on the knowledge gained.	2.78	92.66
5	PO5	Strengthen the knowledge base to take up CA/ICWA/ICS and other competitive examination	2.87	95.66
6	PO6	Acquire the ability to engage in independent & lifelong learning in the broader context of social and technical changes.	2.30	76.66
7	PO7	Accept the challenges of business world	2.40	80.00
8	PO8	Enhance logical thinking and decision making ability	2.67	89.00

Name of the Co-ordinator : Dr .H .C .Honnappa
CO Attainment

Semester –I

Sl.No	Course title	Course Code	CO No./Id	CO Statement	CO Attainment	% Attainment
1	Accounting Theory	MCA010	MCA010.1	Acquaint a set of logical principles for evaluation and development of sound accounting practices.	2.4	80
			MCA010.2	knowledge on conceptual framework of accounting theory	2.4	80
			MCA010.3	Critical thinking skills to analyse and interpret accounting transactions.	2.4	80
			MCA010.4	Understand the recognition, measurement and disclosure principles of elements of financial statements.	2.4	80
2	Corporate Governance And Business Ethics	MCA080	MCA080.1	Understand the concept of corporate governance	2.2	73.33
			MCA080.2	knowledge about corporate ethics and cultural influences	2.2	73.33
			MCA080.3	Acquire knowledge of corporate social responsibility and accountability	2.2	73.33
			MCA080.4	Analyze the role of E-governance in present scenario.	2.2	73.33
3	Advanced Financial Management	MCA090	MCA090.1	Understand financial management concepts and its important functions.	2.6	86.66
			MCA090.2	Learn the process of evaluation of projects	2.6	86.66
			MCA090.3	Understand capital structure theories	2.6	86.66
			MCA090.4	Identify the dynamics of financial markets	2.6	86.66
4	Strategic Management	MCA100	MCA100.1	To understand the strategy formulation	2.8	93.33
			MCA100.2	To learn the steps in implementation of strategies.	2.8	93.33
			MCA100.3	To learn evaluation of strategy	2.8	93.33
			MCA100.4	To analyze strategy	2.8	93.33
5	Business Policy And Environment	MCA210	MCA210.1	Insight on policy formation	3	100
			MCA210.2	Understand the environmental factors that influence business	3	100
			MCA210.3	Knowledge and significance of corporate social responsibility	3	100
			MCA210.4	Identify the Principles of Business ethics	3	100
6	Statistics For Business Decisions	MCA220	MCA220.1	Knowledge about application of probability theory and sampling in different areas of commerce	3	100
			MCA220.2	Analyze the various methods of theoretical probability distribution	3	100
			MCA220.3	Application of different tools in taking business decisions	3	100
			MCA220.4	Learn the advanced application oriented tests – F Distribution and Anova	3	100

Semester: II

Sl.No	Course title	Course Code	CO No./Id	CO Statement	CO Attainment	% Attainment
1	Organizational Behavior	MCB030	MCB030.1	Understand individual behavior in the organization	3	100
			MCB030.2	Acquire the knowledge about foundation of individual behavior	3	100
			MCB030.3	Learn and apply skills in motivation	3	100
			MCB030.4	Evaluate individual behavior in group and resolve the conflicts	3	100
2	Entrepreneurial Development	MCB050	MCB050.1	Analyze the foundations and different dimensions of Entrepreneurial Development	2.8	93.33
			MCB050.2	Acquaint the skills of an young entrepreneurs	2.8	93.33
			MCB050.3	Analyze the techniques of project planning, implementation and execution.	2.8	93.33
			MCB050.4	Identify the institutional support to entrepreneurs.	2.8	93.33
3	Capital Market Instruments	MCB010	MCB010.1	Understand the role of capital markets	3	100
			MCB010.2	Critically evaluate the various capital market instruments like Stock, bonds etc	3	100
			MCB010.3	Identify the dynamics of global capital markets	3	100
			MCB010.4	Understand the concept and use of Derivatives in risk management.	3	100
4	Human Resource Management	MCB240	MCB240.1	Knowledge about human resources, their significance and management in organizations	2.6	86.66
			MCB240.2	Analyze human resource planning	2.6	86.66
			MCB240.3	Learn the steps in HRD	2.6	86.66
			MCB240.4	Understand reward system and appraisal of individual	2.6	86.66
5	Management of financial services	MCB270	MCB250.1	To understand and appreciate the role of financial services industry	2.8	93.33
			MCB250.2	To grasp the trends in financial services industry particularly the impact of globalization of Financial Services	2.8	93.33
			MCB250.3	To gain an insight into the future of Financial Services industry	2.8	93.33
			MCB250.4	Verify the global developments in technology.	2.8	93.33

Semester: III

Sl.No	Course title	Course Code	CO No./Id	CO Statement	CO Attainment	% Attainment
1	International Business	MCC010	MCC010.1	Understand the scope of international business along with drivers of globalization	3	100
			MCC010.2	Analyze different aspects of International Business environment and the issues associated with them.	3	100
			MCC010.3	Identify policy and practice skills related to international business	3	100
			MCC010.4	Identify the various modes of entry in international business.	3	100
2	Business Research Methods	MCC030	MCC030.1	Evaluate various research decisions	3	100
			MCC030.2	Learn the methods of data collection	3	100
			MCC030.3	Analysis and interpretation of data	3	100
			MCC030.4	Equip the skills of report writing	3	100
3	Security Analysis And Portfolio Management	MCC040	MCC040.1	Knowledge about practical aspects of investment analysis	2.8	93.33
			MCC040.2	Understand the functions of SEBI	2.8	93.33
			MCC040.3	Analyze the various investment alternatives	2.8	93.33
			MCC050.4	Learn the skills to construct investment portfolio	2.8	93.33
4	Indirect Tax Law and Practice	MCC230	MCC230.1	Understand the significance and contribution of indirect taxes (GST) in the Indian and global economy.	2.4	80.00
			MCC230.2	Comprehend the principles of taxation and incidence process of indirect taxes in market orientated economy.	2.4	80.00
			MCC230.3	Understand the implications of indirect taxes on the taxable capacity of consumers, dealers and society at large.	2.4	80.00
			MCC230.4	Become tax consultants for tax planning, tax management, payment of tax and filling of tax returns	2.4	80.00
5	Management Accounting	MCC250	MCC250.1	Understand the basic concept of marginal costing.	2.2	73.33
			MCC250.2	Analyze and apply of profitability and cost concept.	2.2	73.33
			MCC250.3	Evaluate the managerial decisions-make or buy decisions.	2.2	73.33
			MCC250.4	Examine the cost accounting techniques.	2.2	73.33

Semester: IV

Sl.No	Course title	Course Code	CO No./Id	CO Statement	CO Attainment	% Attainment
1	International Accounting	MCD010	MCD010.1	Understand international accounting issues related to global financial reporting.	2	66.66
			MCD010.2	Examine, analyze and assess theoretical and practical aspects of accounting harmonization.	2	66.66
			MCD010.3	Identify major diversities and challenges of financial reporting in the global arena and IFRS.	2	66.66
			MCD010.4	Learn the techniques of international financial statement analysis	2	66.66
2	Current Trends In Business And Commerce	MCD020	MCD020.1	Understand changing business and financial environment	3	100
			MCD020.2	Equip the skills required for competitive examinations and JRF, NET and SLET	3	100
			MCD020.3	Develop analyzing and decision making skills on current topics of business	3	100
			MCD020.4	Identify the reforms in areas of banking, insurance, capital markets and taxation.	3	100
3	Supply Chain Management	MCD210	MCD210.1	To make students familiar with various innovations taking place in accounting	2.4	80.00
			MCD210.2	To learn valuation of human resource	2.4	80.00
			MCD210.3	To learn valuing the brand	2.4	80.00
			MCD210.4	To understand the concepts of Responsibility accounting	2.4	80.00
4	Corporate Tax Law And Planning	MCD230	MCD230.1	Understand the incidence of tax on residential status of the companies	2.8	93.33
			MCD230.2	Understand the different types of companies under corporate income tax act.	2.8	93.33
			MCD230.3	Know the different sources of income for corporate assesses.	2.8	93.33
			MCD230.4	Become a manger of a company/tax consultant and reduce the tax burden and maximize the company's wealth	2.8	93.33
5	Management Accounting	MCD250	MCD250.1	Understand the scope and need for cost control and management.	2.2	73.33
			MCD250.2	Familiarize with the basic cost control and management tools.,	2.2	73.33
			MCD250.3	Know the manufacturing industries cost system and analysis through the statistical tool.	2.2	73.33
			MCD250.4	Understand the importance of operation research in cost control and management	2.2	73.33

JSS Mahavidyapeetha
JSS College of Arts, Commerce and Science
 Ooty Road, Mysuru

Department: Postgraduate Department of English
Programme Name: Masters in English **Programme Code:** ENG
Session/Year: 2018-19

List of POs & PSOs

POID	PO Statement	%Attainment
PO1	Learn English language explored through literature	85.50
PO2	Demonstrate critical reading, writing, and thinking skills. Write focused, organized, well-developed and text-based essays using effective paragraphs, which support a clear thesis statement, and demonstrate competence in Standard English grammar and usage	85.02
PO3	Learn to participate effectively in debates, group discussions, and seminars	83.03
PO4	Get the opportunity to opt for career in the fields of teaching, journalism and Communication with the command and fluency gained in English language	81.60
PO5	Acquire skills of criticism in reading literary works of different periods of various genres	85.44
PO6	Learn to think logically and relate to real life scenario in writing analytically about the issues depicted in literary texts	82.47
PO7	Imbibe good ethics explored in the works of great writers	85.55
PO8	Develop sensibility to understand social, cultural and spiritual issues explored in literary works	81.90
PO9	Draw on and integrate knowledge from many related areas of literary studies	83.21
PO10	Recognize and understand figurative language in literary works of various literature	83.12
PO11	Develop analytical skills to know the social, political and cultural milieu of various periods of literary development	84.27
PSO1	Acquire the competence to work as English Language teacher at Primary, Secondary, Higher secondary and Pre-University level.	82.72
PSO2	Gain basic knowledge needed to enrol for M Phil or PhD programmes	83.80
PSO3	Demonstrate good communication skills	86.11
PSO4	Draft literary essays demonstrating the skills of critical thinking and creative writing	85.40
PSO5	Participate in discussions and debates demonstrating good communication skills	82.71
PSO6	Work as English language trainer	86.45
PSO7	Take up worldwide research opportunities and more knowledgeable to qualify UGC-NET, K-SET and other competitive exams	83.86

Course Title: English Literature from Chaucer to Milton
Course Code: ENA010
Class : MA - I Sem
Name of Course In-charge/Coordinator: Dr Shobha

List of COs

CO ID	CO Statement	% Attainment
CO1	Analyse figurative language and literary techniques	96.89
CO2	Compare the unique qualities of the authors studied.	95.94
CO3	Develop a well-written argument about one or more literary texts or authors, and accurately cite literary and other sources	95.22
CO4	Create ability to read, summarize and analyse poems and sonnets of various themes	89.92

Course Title: Elizabethan Age
Course Code: ENA020
Class : MA - I Sem
Name of Course In-charge/Coordinator: Mrs. Madhavi K R

List of COs

CO ID	CO Statement	%Attainment
CO1	Analyse Shakespearean Tragedies and Comedies in terms of language, character and themes.	98.41
CO2	Develop ability to read, summarize and critically analyse Shakespearean sonnets with various themes	98.17
CO3	Deliberate the characteristics of Elizabethan theatre	95.51
CO4	Understand in depth plays of Marlowe and Thomas Kyd	93.05
CO5	Write down the classification and characteristics of plays of Shakespeare- Macbeth, Julius Caesar and As You Like It.	96.76

JSS Mahavidyapeetha
JSS College of Arts, Commerce and Science
Ooty Road, Mysuru

Department: Postgraduate Department of English
Programme Name: Masters in English **Programme Code:** ENG
Session/Year: 2018-19

Course Title: 17th and 18th Century English Literature
Course Code: ENA030
Class : MA - I Sem
Name of Course In-charge/Coordinator: Dr Shobha

List of COs

CO ID	CO Statement	%Attainment
CO1	Deliberate the details of restoration period	98.85
CO2	Develop skills of critical analysis of restoration poetry	98.70
CO3	Specify the classification and characteristics of restoration period	95.31
CO4	Learn in depth and appreciate The Spectator Essays	93.50
CO5	Deliberate the characteristics of Comedy of Manners	94.69

Course Title: 19th Century English Literature
Course Code: ENA040
Class : MA - I Sem
Name of Course In-charge/Coordinator: Dr Syed Hajira Begum

List of COs

CO ID	CO Statement	%Attainment
CO1	Analyse the impact of French Revolution on Romantic and Victorian age.	99.41
CO2	Judge the issues related to Woman's Question during the period and contributions of Mary Wollstonecraft and J S Mill to this movement	97.62
CO3	Explain the use of allegory, metaphor, irony, rhyme, rhythm, allusion in Romantic and Victorian poetry	99.45
CO4	Produce analytical skill of understanding literary essays of Victorian philosophers	98.89
CO5	Develop ability to summarize and analyse the novels of Jane Austen, Emily Bronte, Charles Dickens and Thomas Hardy	98.03

Course Title: Indian Diaspora Fiction
Course Code: ENA210
Class : MA - I Sem
Name of Course In-charge/Coordinator: Mrs. Madhavi K R
List of COs

CO ID	CO Statement	%Attainment
CO1	Learn the background of Diaspora Literature & major themes of Diaspora Literature	98.93
CO2	Compare and Contrast authors' treatment of themes, characters, subject matter etc.	95.56
CO3	Analyse the literary elements like plot, setting, tone, point of view, imagery, etc	93.35
CO4	Trace the historical event like partition, corruption, migration, etc	94.98
CO5	Understand in details the interpretation of Indian diaspora fiction	95.61

Course Title: Literary Criticism-I
Course Code: ENB020
Class : MA - II Sem
Name of Course In-charge/Coordinator: Dr Shobha
List of COs

CO ID	CO Statement	%Attainment
CO1	Analyse figurative language and literary techniques	98.65
CO2	Compare the unique qualities of the authors studied.	97.05
CO3	Develop a well-written argument about one or more literary texts or authors, and accurately cite literary and other sources	92.23
CO4	Create ability to read, summarize and analyse poems and sonnets of various themes	94.61
CO5	Write down the details of Aristotle's poetics, Longinus' On the Sublime	95.04

Course Title: Indian Writing in English – I
Course Code: ENB030
Class : MA - II Sem
Name of Course In-charge/Coordinator: Mrs. Madhavi K R

List of COs

CO ID	CO Statement	%Attainment
CO1	Explain the origin and growth of Indian English Writing	96.04
CO2	Specify in details with examples poetry of Toru Dutt, Tagore, Sarojini Naidu and Aurobindo.	94.58
CO3	Learn in depth plays of Girish Karnad, Tendulkar, and Dattani	89.65
CO4	Specify in depth Novels of R K Narayan, Mulk Raj Anand and Raja Rao	95.41
CO5	Appreciate and understand the critical essays of Hiriyananna, Coomaraswamy and Aurobindo	95.61

Course Title: The Modern Age-I
Course Code: ENB040
Class : MA - II Sem
Name of Course In-charge/Coordinator: Dr Syed Hajira Begum & Dr Shobha

List of COs

CO ID	CO Statement	%Attainment
CO1	Explain the social, political and cultural milieu of the 20th Century England.	98.98
CO2	Learn the impact of World War I and II on 20th Century poetry.	98.06
CO3	Identify the characteristics of Modern English poetry.	99.16
CO4	Learn the details of Modern English poetry.	99.34
CO5	Learn to interpret and appreciate the poetic devices of Modern poetry	98.92

Course Title: 20th Century Women's Writing: Theory & Practice
Course Code: ENB050
Class : MA - II Sem
Name of Course In-charge/Coordinator: Dr Syed Hajira Begum

List of COs

CO ID	CO Statement	%Attainment
CO1	Learn feminism as a movement-transforming woman's life.	99.49
CO2	Get awareness about gender issues and understand the injustices done towards women in patriarchal society	98.06
CO3	Appreciate the efforts of women writers to subvert the oppression of women in their literary works	99.16
CO4	Learn the problems faced by women in societies of different traditions and culture	99.34
CO5	Understand in details with examples Fiction of 20th century women writers	98.92

Course Title: Indian Drama
Course Code: ENB210
Class : MA - II Sem
Name of Course In-charge/Coordinator: Mrs. Madhavi K R

List of COs

CO ID	CO Statement	%Attainment
CO1	Understand the important aspects and features of Indian Drama	95.03
CO2	Learn to interpret and appreciate poetic devices in Indian Classical Dramas	95.50
CO3	Compare and analyse the classical Indian dramas with the contemporary time	92.79
CO4	Write down the characteristics of interpretation of Indian classical dramas	95.44

Course Title: The Modern Age-II
Course Code: ENC010
Class : MA - III Sem
Name of Course In-charge/Coordinator: Dr Syed Hajira Begum

List of COs

CO ID	CO Statement	%Attainment
CO1	Explain the social, political and cultural milieu of the age of 20th Century England.	98.65
CO2	Learn the impact of World War I and II on 20th Century poetry.	92.53
CO3	Identify the characteristics of Modern English poetry	97.45
CO4	Learn the details of Modern English poetry	96.57
CO5	Learn to interpret and appreciate the poetic devices of Modern poetry	92.75

Course Title: Indian Writing in English-II
Course Code: ENC020
Class : MA - III Sem
Name of Course In-charge/Coordinator: Mrs. Madhavi K R

List of COs

CO ID	CO Statement	%Attainment
CO1	Explain the characteristic features of post-independent Indian Writing in English.	92.50
CO2	Read, compare and critically analyse partition novels and autobiographies.	97.50
CO3	Write down in details with examples characteristics of Modern Indian writing in English.	94.92
CO4	Learn the characteristics of appreciation of short stories of Jahnvi Barua.	98.67
CO5	Identify in details with examples appreciation of the fiction of Arundhati Roy and Amitav Ghosh	76.72

Course Title: New Literatures in English
Course Code: ENC030
Class : MA - III Sem
Name of Course In-charge/Coordinator: Dr Syed Hajira Begum

List of COs

CO ID	CO Statement	%Attainment
CO1	Explain the emergence of New Literatures from Commonwealth literature	98.5
CO2	Analyse the thematic concerns in New Literatures	98.35
CO3	Evaluate the cultural conflict in New literatures such as African, Australian, Canadian and Caribbean and the impact of colonization on native cultures	98.85
CO4	Formulate essays on the novels of Chinua Achebe, Wole Soyinka, Alice Munro, Patrick White, and V S Naipaul	98.86
CO5	Judge the use of various literary devices in the poetry of Dennis Brutus, David Diop, AJM Smith, Judith Wright, Derek Walcott, and Braithwaite	98.68
CO6	Produce analysis on the essays of Ngugi, Northrop Frye and Wilson Harris	99.4

Course Title: Indian English Poetry After Independence
Course Code: ENC230
Class : MA - III Sem
Name of Course In-charge/Coordinator: Dr Syed Hajira Begum
List of COs

CO ID	CO Statement	%Attainment
CO1	Explain the use of Indianness in the modern Indian poetry	98.61
CO2	Analyse the themes, imagery, symbolism in the poems of Ezekiel, Ramanujan, Daruwalla, de Souza, Mahapatra, Parthasarathy, Anita Nair and Vikram Seth	98.71
CO3	Evaluate the human values and human predicament in modern Indian poetry	98.2
CO4	Formulate the trend setting themes explored in contemporary Indian poetry	98.7

Course Title: A Course in Written and Spoken English
Course Code: ENC520
Class : MA - III Sem
Name of Course In-charge/Coordinator: Dr Shobha & Mrs. Madhavi K R
List of COs

CO ID	CO Statement	%Attainment
CO1	Explain the correct use of parts of speech and English grammar	89.75
CO2	State the grammar rules and apply them in conversation and communication	86.63
CO3	Evaluate effectively describing impressions, feelings and experiences	89.19
CO4	Formulate the familiar topics and give explanations and reasons for opinions, past actions and future plans.	89.29
CO5	Analyse comprehension passages and answer the implied questions rightly	87.30
CO6	Write down in details with application, if applicable, speaking skills	93.38
CO7	Learn the skills of writing resume and business applications.	89.37

Course Title: Literary Criticism-II
Course Code: END010
Class : MA - IV Sem
Name of Course In-charge/Coordinator: Dr Shobha
List of COs

CO ID	CO Statement	%Attainment
CO1	Explain the meaning, elements and characteristics of contemporary literary criticism	89.50
CO2	Analyse the essays using the skills of literary critical analysis	92.25
CO3	Produce analytical essays on the literary texts of the prescribed critics	94.70
CO4	Evaluate the latest developments in the specific field of practice of literary theories	84.17
CO5	Deliberate the details of interpretation of critical essays of Elaine Showalter, Helene Cixous and Spivak	86.80
CO6	Write down in depth essays of Northrop Frye, Derrida, Elaine Showalter, Helene Cixous etc.	76.00

Course Title: American Literature
Course Code: END020
Class : MA - IV Sem
Name of Course In-charge/Coordinator: Dr Syed Hajira Begum
List of COs

CO ID	CO Statement	%Attainment
CO1	Explain the significance of Renaissance, Transcendentalism and journey metaphor in American literature	98.95
CO2	Analyse the poems of Emily Dickinson, Wallace Stevens, Walt Whitman and Robert Frost	99.1
CO3	Compare and analyse the themes, narrative techniques, character analysis in the novels of Mark Twain, Douglas, Toni Morrison and Ray Bradbury	98.85
CO4	Describe the African American sensibility based on the readings of Toni Morrison, Jamaica Kincaid and Fredrick Douglas's writings.	98
CO5	Study literary expressions of American writers depicting American sensibility.	98.44

Course Title: Major Project Work leading to Dissertation
Course Code: END030
Class : MA - IV Sem
Name of Course In-charge/Coordinator: Dr Syed Hajira Begum & Dr Shobha

List of COs

CO ID	CO Statement	%Attainment
CO1	Analyse the area of topic chosen for project work in detail	95.2
CO2	Create research skills and demonstrate scholarly expertise in exploring the subject to prepare the dissertation for the project work	97.6
CO3	Produce the skills of research analysis in writing thesis	94
CO4	Explain logically and relate the issues and findings to real life scenario	96.4

Course Title: Dalit Literature
Course Code: END210
Class : MA - IV Sem
Name of Course In-charge/Coordinator: Mrs. Madhavi K R

List of COs

CO ID	CO Statement	%Attainment
CO1	Explain the origin and growth of Dalit literature in India.	96.50
CO2	Explain the sufferings of marginalised in Dalit writings.	94.44
CO3	Compare and analyse the life of oppressed in various languages translated into English like Kannada, Gujarathi, Punjabi, Tamil and Telugu	85.75
CO4	Compare and analyse the different forms of Dalit Literature based on different experiences	82.40
CO5	Understand the classification and characteristics of Dalit Movement in post-independent India	96.40

JSS Mahavidyapeetha
JSS College of Arts, Commerce and Science
Ooty Road, Mysuru – 570 025, Karnataka, India

2018-19

Name of the Department: PG Department of Biotechnology
Programmes offered: M.Sc. in Biotechnology

Course outcomes (%Attainments)

COURSE	COURSE CODE	COID	CO'S	ATTAINMENT (%)
BIOMOLECULES AND BIOENERGETICS	BTA040	CO1	Study of different biomolecules	79.32
		CO2	Metabolism and their regulation	87.85
		CO3	Enzymes and their role in metabolism	66.24
		CO4	Application of thermodynamics to understand the basic concepts of life.	79.53
		CO5	To study the integrated metabolism of all the biomolecules.	83.05

BIOANALYTICAL TECHNIQUES	BTA050	CO1	To understand the separation of molecules by different chromatography, centrifugation and electrophoretic techniques	86.24
		CO2	Analysis and characterization of molecules by spectroscopy techniques	88.81
		CO3	Use of radioactive material in understanding metabolic pathways	76.35
		CO4	To study the imaging techniques to explore the basics of cell	81.50
LAB – I	BTA060	CO1	Course objective is to introduce the students to the fundamental experiments in the field of Biochemistry, Microbiology and Genetics.	72.80
		CO2	Students get the insight to operate simple equipments like colorimeter and spectrophotometer	87.68
		CO3	Identification of microorganisms by morphology and staining techniques and study of growth kinetics.	85.4
		CO4	In genetics students are exposed to know about culture and maintenance of <i>Drosophila melanogaster</i> (model organism), Study of mutants, salivary gland chromosome and karyotyping techniques.	75.68

		CO5	To understand the different enzyme kinetics.	84.49
MOLECULAR GENETICS	BTA230	CO1	To understand the molecular mechanism of inheritance	93.24
		CO2	Mutation and DNA repair mechanism	69.31
		CO3	Gene mapping and study of chromosomal abnormalitis	75.22
		CO4	Phylogenetics and micro- evolution	77.61
		CO5	Development of an organism	80.24
MICROBIOLOGY	BTA240	CO1	To understand the microbial taxonomy	91.56
		CO2	Handling, preservation and sterilization of microbes	80.05
		CO3	Microbial interactions with different hosts	72.93
		CO4	-Application of microorganisms in the field of agriculture, environment and health sciences	76.34

MOLECULAR BIOLOGY	BTB020	CO1	The student will get an idea about the genomic organization of prokaryotes and eukaryotes.	82.93
		CO2	To obtain in depth knowledge of genetic code, DNA replication and transcription.	83.98
		CO3	Understand principles, concepts of translation, post translation mechanism	82.93
		CO4	Regulation of gene expression in prokaryotes and eukaryotes	63.41
		CO5	Gain the insight into molecular mechanism of antisense molecules, inhibition of splicing and application of antisense and ribozyme technologies	68.05
IMMUNOLOGY AND IMMUNO TECHNOLOGY	BTB050	CO1	Study basic concepts of immunology	86.98
		CO2	MHC and their role in transplantation	85.37
		CO3	Cytokines and their role in immune system, Tumor Immunology	82.68
		CO4	Autoimmune diseases , causes and treatment	80.49
		CO5	Hypersensitivity, Vaccine production	67.80
LAB – II	BTB060	CO1	Students are trained to get the skills in the field of Molecular biology and Genetic engineering	63.66
		CO2	Isolation and purification of nucleic acids and their quantification	72.68

		CO3	Study of antigen and antibody interactions	90.24
		CO4	Preparation of wine and analysis of food samples	83.54
		CO5	Visit to Bio-tech Industries	80.73
CELL SIGNALLING AND COMMUNICATION	BTB220	CO1	Understanding the multi-cellularity of organisms	95.38
		CO2	role of extracellular matrix in signalling	65.31
		CO3	various signalling pathways from the cell surface to the nucleus	73.85
		CO4	cell signalling in plants	83.15
		CO5	microbe-plant and insect-plant interaction.	62.62
FOOD AND ENVIRONMENTAL BIOTECHNOLOGY	BTB210	CO1	Comprehensive insight into the fermented foods and enzymes in food industry	91.36
		CO2	Obtain knowledge of functional foods, genetically modified foods and nutraceuticals	67.69
		CO3	Students will be able to understand current status of biotechnology in environment protection.	93.85
		CO4	Understand the principles of bioremediation and significance of GMO to the environment.	77.69
		CO5	waste management.	81.77

BIOPROCESS ENGINEERING AND TECHNOLOGY	BTC040	CO1	understand the different metabolic pathways of microorganisms	76.92
		CO2	To have the comprehensive insight into the different type of fermenter	84.46
		CO3	To obtain knowledge of media design and industrial culture	75.72
		CO4	Students will be able to understand different type of fermenter and bioreactor	86.25
		CO5	Understand the principles of downstream processing, To understand the enzyme technology and their applications in industry.	81.80
GENETIC ENGINEERING	BTC050	CO1	To have the comprehensive insight into the different enzymes used in Genetic engineering lab	80.53
		CO2	To obtain knowledge of construction of vectors	63.75
		CO3	Students will be able to understand different type of cloning methods.	74.63
		CO4	Understand the principles of PCR& types	71.25
		CO5	To know the different sequence methods	73.38

LAB- III	BTC060	CO1	To have the comprehensive insight into the different enzymes kinetics	96.21
		CO2	Production of different compounds by fermentation	84.98
		CO3	to study the plant tissue culture methods	83.76
		CO4	Estimation of different bio active compounds	86.97
		CO5	Preparation of animal cell culture media and anti-angiogenic activity	87.09
BIOSTATISTICS, BIOINFORMATICS AND BIO ENTERPRENURSHIP	BTC220	CO1	Application of statistics to understand and analyse the experimental results of biological sciences	65.31
		CO2	Retrieval of biological data	69.14
		CO3	phylogenetic analysis	61.22
		CO4	Primer designing, Insight into start-up companies.	64.49
		CO5	drug discovery and molecular docking	66.94
APPLIED BIOTECHNOLOGY		CO1	Scope of Biotechnology in India	60.30
		CO2	Use of plant tissue culture to society	61.60

		CO3	Applications of animal cell culture in medical field	76.9
		CO4	Applications of Bio-technology in solving agricultural problems	88.98
		CO5	Production of bio-pesticides and bio-fertilizers.	78.43
PLANT BIOTECHNOLOGY	BTD010	CO1	General Introduction to tissue culture	82.97
		CO2	Use of plant tissue culture to society	91.97
		CO3	Haploid technology to produce seedless crops	76.97
		CO4	Applications of Bio-technology in solving agricultural problems	83.91
		CO5	Applications of recombinant technology to produce disease free crops	88.94
ANIMAL BIOTECHNOLOGY	BTD020	CO1	General Introduction to Animal cell culture	66.97
		CO2	Use of different media to culture animal cells	76.97
		CO3	Different methods of cell separation	85.88
		CO4	Tissue Engineering using different matrices	68.91

		CO5	Cloning of animals	73.80
Project work	BTD030	CO1	Making the students to think about current scientific problems	93.15
		CO2	Designing the objectives and writing the synopsis	92.00
		CO3	Understanding the research articles	81.62
		CO4	Designing the experiments	89.54
		CO5	Analysing the data, interpretation of results and writing research papers	84.23

**JSS COLLEGE OF ATRS, COMMERCE AND SCIENCE
OOTY ROAD MYSURU-25
PG DEPARTMENT OF BIO-TECHNOLOGY**

PO-ATTAINMENT (Direct)

SUBJECT	COID	PO'S	ATTAINMENT (%)
MSc Biotechnology	PO1	Acquire knowledge on the fundamentals of biotechnology for sound and solid base which enables them to understand the emerging and advanced engineering concepts in life sciences	74.34
	PO2	To make the students develop interpersonal skills, written and oral communication and also to improve their body language and eye contact during presentations.	86.10
	PO3	To train the students in group discussions to develop leadership qualities and to respect the others idea and take the decisions for the welfare of society.	69.49
	PO4	To teach the students not to demoralize the others ideas and not to differentiate the intelligent and the ignorant, poor and the rich and	74.61

		to uphold the moral values in the society	
	PO5	Upon completion of course students will have the ability to design the experiments to solve the current problems in the society related to health, environment and industries,	87.60
	PO6	Upon completion of course students will have the ability to design the experiments to solve the current problems in the society related to health, environment and industries	81.12

JSS COLLEGE OF ATRS, COMMERCE AND SCIENCE
OOTY ROAD MYSURU-25
PG DEPARTMENT OF BIO-TECHNOLOGY
PO-ATTAINMENT (Indirect)

SUBJECT	COID	PO'S	ATTAINMENT (%)
MSc Biotechnology	PO1	Acquire knowledge on the fundamentals of biotechnology for sound and solid base which enables them to understand the emerging and advanced engineering concepts in life sciences	84.2
	PO2	To make the students develop interpersonal skills, written and oral communication and also to improve their body language and eye contact during presentations.	73.6
	PO3	To train the students in group discussions to develop leadership qualities and to respect the others idea and take the decisions for the welfare of society.	80.91
	PO4	To teach the students not to demoralize the others ideas and not to differentiate the intelligent and the ignorant, poor and the rich and to uphold the moral values in the society	79.7

	PO5	Upon completion of course students will have the ability to design the experiments to solve the current problems in the society related to health, environment and industries,	71
	PO6	Upon completion of course students will have the ability to design the experiments to solve the current problems in the society related to health, environment and industries	81.97

JSS Mahavidyapeetha
JSS College of Arts, Commerce and Science
 Ooty Road, Mysuru

Department: PG Department of Social Work

Programme Name: MSW

Programme Code: MSW 13

Session/Year: 2018-19

List of POs & PSOs

POID	PO Statement	%Attainment (Overall)*
PO1	Develop the capacity to undertake Research	69.2
PO2	Develop the skills and capacities to work in a multidisciplinary team	69.1
PO3	Develop the capacity to project self as a professional	63.2
PO4	Equipped with the knowledge of Social dynamism	60.4
PO5	Equipped to work in various fields of Social Work	63.4
PO6	Imbued with the core values and principles of Social Work	65.4
PSO1	Equip to work in the Community Development Programmes	61.7
PSO2	Develop the capacity to work in the field of Human Resource as Labour Welfare Officers, HR Executives and liaison officers	64.2
PSO3	Develop the skill to work as medical and psychiatric social workers	67.8
PSO4	Equip with the skill to work in family and Child Welfare Centres	61.3
PSO5	Develop the capacity to work in correctional settings	59.9

Course Title: Social Work – History and Ideologies

Course Code: SWA 010

Name of Course In-charge/Coordinator: Dr. Susmitha B

List of COs

CO ID	CO Statement	%Attainment
CO1	Learn the details of Indian History of Social work Profession	69.1
CO2	Understand in depth Values and principles of Social work	59.7
CO3	Deliberate the details of Contemporary Ideologies for Social change	71.2
CO4	44731 Learn the details of Western Ideologies for Social Change and History of Social Work	66.3

Course Title: Work with Individuals and Families **Course Code: SWA 020**
Name of Course In-charge/Coordinator: Dr. Kumudini Achchi

List of COs

CO ID	CO Statement	%Attainment
CO1	Learn in details with application of social case work as method of Social Work	59.7
CO2	Learn in detail the Values and principles of Social Case work	68.0
CO3	Learn the details of theories and process of Casework	72.8
CO4	Specify in depth application of Social Case work in different settings	67.58

Course Title: Work with Groups **Course Code: SWA 030**
Name of Course In-charge/Coordinator: Dr. Kumudini Achchi

List of COs

CO ID	CO Statement	%Attainment
CO1	Identify in detail the concept of group and group work	62.8
CO2	Learn the process of Group Work	65.4
CO3	Understand in depth Group dynamics and skills in group work	69.7

Course Title: Work with Communities **Course Code: SWA 040**
Name of Course In-charge/Coordinator: Dr. M P Somashekar

List of COs

CO ID	CO Statement	%Attainment
CO1	Learn in details with examples concept of Community and Community organization	66.2
CO2	Learn in depth models and strategies of Community Organization	61.4
CO3	Understand the skills of Community organize	63.2
CO4	Understand in depth Micro and macro policies of community Organizaion	59.8

Course Title: Human Growth & Development **Course Code: SWA 050**
Name of Course In-charge/Coordinator: Dr. Susmitha B

List of COs

CO ID	CO Statement	%Attainment
CO1	Learn in detail Human life span and principles of growth and development	70.1
CO2	Understand the details of Developmental stages of Human Life span	67.5
CO3	Understand the theories of Human Development and learning	61.2
CO4	Understand the theories of Basic Human Needs, motivation, Personality	64.7

Semester: II

Course Title: Social Work Research and Statistics

Course Code: SWB 010

Name of Course In-charge/Coordinator: Dr. M P Somashekar

List of Cos

CO ID	CO Statement	%Attainment
CO1	Understand the meaning, objectives and scope of Social Work Research	62.3
CO2	Understand in detail the Process of Social Work Research	59.1

Course Title: Developmental and Welfare Services

Course Code: SWB 020

Name of Course In-charge/Coordinator: Dr. Kumudini Achchi

List of COs

CO ID	CO Statement	%Attainment
CO1	Deliberate in depth need for social welfare organization	61.4
CO2	Learn the procedure of establishment of Human Service Organizations	62.2
CO3	Understand the process of Management	60.3
CO4	Learn in detail the concepts of Programme Development and Public Relations	64.2

Course Title: Personal and Professional Growth

Course Code: SWB 030

Name of Course In-charge/Coordinator: Dr. Susmitha B

List of COs

CO ID	CO Statement	% Attainment
CO1	Understand the meaning, importance, purpose and process of communication	67.7
CO2	Learn the use of Visual aids in communication	65.2
CO3	Understand the counselling situations and approaches	63.4
CO4	Understand self and developing self awareness	61.1
CO5	Understand the details of emotions and emotional expressions	68.9
CO6	Understand in depth life skills	69.4
CO7	Identify in depth Values, attitudes and professional ethics	70.3

Course Title: Communication and Counselling

Course Code: SWB220

Name of Course In-charge/Coordinator: Dr. Susmitha B

List of COs

CO ID	CO Statement	% Attainment
CO1	Identify in detail the concept of group and group work	66.2
CO2	Learn the process of Group Work	67.7
CO3	Understand in depth Group dynamics and skills in group work	71.0

Course Title: Social Science Perspectives for Social Work Practice **Course Code:** SWD 240
Name of Course In-charge/Coordinator: Dr. M P Somashekar

List of COs

CO ID	CO Statement	% Attainment
CO1	Deliberate the characteristics of sociology and its relationship with other social sciences	60.5
CO2	Specify the characteristics of social movements in India	66.6

Semester: III

Course Title: Human Resource Management **Course Code:** SWC 010
Name of Course In-charge/Coordinator: Prof. J A K Tareen

List of COs

CO ID	CO Statement	%Attainment
CO1	Learn the concept and philosophy of Human Resource Management	67.3
CO2	Understand the policies, sources and methods of talent acquisition	64.2
CO3	Deliberate in details with examples Compensation Management	59.8
CO4	Deliberate the changing scenario of strategic Human Resource Management 70	62.5

Course Title: Organizational Behaviour and Organizational Behaviour **Course Code:** SWC 020
Name of Course In-charge/Coordinator: Prof. J A K Tareen

List of COs

CO ID	CO Statement	%Attainment
CO1	Specify the significance of transactional analysis and theories of motivation	68.2
CO2	Understand group dynamics and organization development	60.7
CO3	Deliberate in depth on organizational change, stress and burnout	62.5

Course Title: Preventive and Social Medicine and Medical Social Work **Course Code:** SWC 030
Name of Course In-charge/Coordinator: Dr. Kumudini Achchi

List of COs

CO ID	CO Statement	%Attainment
CO1	Learn in depth concept of health and health care	60.7
CO2	Learn in details with application Medical Social Work and Rehabilitation of Patients	62.5

Course Title: Social Policy, Planning and Development
Name of Course In-charge/Coordinator: Dr. Susmitha B

Course Code: SWC 040

List of COs

CO ID	CO Statement	%Attainment
CO1	Understand in detail concept and purpose of social policies and values underlying social policy	64.8
CO2	Learn in detail Sectoral policies in India	61.1
CO3	Learn the social planning process	59.9
CO4	Learn in detail the concept of social development and Indicators of development	60.7

Course Title: Legal System in India
Name of Course In-charge/Coordinator: Dr. Susmitha B

Course Code: SWC 050

List of COs

CO ID	CO Statement	%Attainment
CO1	Learn in depth concept of social justice and understanding of Rights	59.4
CO2	Understand the divisions of law and chapters under IPC and CRPC	60.9
CO3	Understand the details of structure and functions of District Court, High Court and Supreme Court	62.4

Semester: IV

Course Title: Employee Relations and Legislations
Name of Course In-charge/Coordinator: Prof. J A K Tareen

Course Code: SWD 010

List of COs

CO ID	CO Statement	%Attainment
CO1	Identify in details with application concept, philosophy and principles of employee relations	60.1
CO2	Deliberate on functioning of trade unions in India	64.8
CO3	Learn the employee legislations	59.7
	Understand in depth process of collective bargaining	58.3

Course Title: Mental Health and Psychiatric Social Work
Name of Course In-charge/Coordinator: Dr. Kumudini Achchi

Course Code: SWD 020

List of COs

CO ID	CO Statement	%Attainment
CO1	Learn the details of concept of Mental Health, Mental Illness and its classification	60.5
CO2	Understand the concept of psychiatric Social Work and Multidisciplinary approach and team work	63.1
CO3	Learn about the institutional care of mentally ill and role of social workers	66.7
CO4	Understand the psycho social rehabilitation and legislations related to mental Health	61.4

Course Title: Human Resource Development and Employee Wellness
030

Course Code: SWD

Name of Course In-charge/Coordinator: Prof. J A K Tareen

List of Cos

CO ID	CO Statement	%Attainment
CO1	Understand concept, approaches and dimensions of Human resource development	58.3
CO2	Deliberate in depth on HRD Interventions	57.2
CO3	Learn in details with examples concept and importance of talent development	56.9
CO4	Deliberate on employee wellness and standardization of systems	61.4

Course Title: Society and Social Work

Course Code: SWD 040

Name of Course In-charge/Coordinator: Dr. M P Somashekar

List of COs

CO ID	CO Statement	%Attainment
CO1	Understand in depth on society and its institutions	65.8
CO2	Understand in details on the different concepts of psychology	66.7
CO3	Specify the characteristics of mental health and mental disorders	59.3

Course Title: Social Science Perspectives for Social Work Practice **Course Code: SWD 050**

Name of Course In-charge/Coordinator: Dr. M P Somashekar

List of COs

CO ID	CO Statement	%Attainment
CO1	Deliberate the characteristics of sociology and its relationship with other social sciences	58.1
CO2	Specify the characteristics of social movements in India	64.7

JSS Mahavidyapeetha
JSS College of Arts, Commerce and Science
Ooty Road, Mysuru

Department: PG Kannada

Programme Name: MA Kannada

Programme Code: MKAN01

Session/Year: 2018-19

List of POs & PSOs

POID	PO Statement	%Attainment (Overall)*
PO1	Demonstrate critical reading, writing, and thinking skills. Write well developed, focussed and effective paragraphs, which support a clear thesis statement, and demonstrate competence in Standard Kannada usage.	91.66
PO2	Get the opportunity to opt for career in the field of social media	89.00
PO3	Helps to pursue research work at M.Phil and Doctoral level	91.66
PO4	Help to communicate effectively and fluently at various occasions	91.66
PO5	Analyse and interpret text written in Dravidian Language.	93.33
PO6	Learn to write logical and informative papers	83.33
PO7	Imbibe good ethics explored in the works of great writers.	100
PO8	Learn to participate effectively in debates, group discussions, seminars.	83.33

*Average from all the courses.

After converting direct attainment to 80% and indirect attainment to 20%, give overall attainment as summation of the above.

Send the sample filled in survey forms for indirect assessment.

Course Title: Prachina Kannada Sahithya : Patya : Adipurana Course Code: KNA010

Name of Course In-charge/Coordinator: Dr. Sudeep B S

List of COs

CO ID	CO Statement	%Attainment
CO1	Recognize and understand figurative language, such as allegory and metaphor, and literary techniques, like irony, rhyme, and allusion.	93.85
CO2	Identify the unique qualities of the authors studied, and compare and contrast them	87.69
CO3	Analyze literary works for their structure and meaning	95.38
CO4	Able to effectively communicate ideas related to the literary work	86.15

Course Title: Prachina Kannada Sahithyada Hinnele
Name of Course In-charge/Coordinator: Dr. Prabhuswamy B

Course Code: KNA020

List of COs

CO ID	CO Statement	%Attainment
CO1	To enable them to have a historical perspective of the development over the centuries. CO2: Identify the unique qualities of the authors studied, and compare and contrast them	93.85
CO2	Identify the unique qualities of the authors studied, and compare and contrast them	87.69
CO3	Demonstrate knowledge of the style, structure, and content of the assigned literary texts.	95.38
CO4	Develop a well-written argument about one or more literary texts or authors, and accurately cite literary and other sources	86.15

Course Title: Kannada Chandasinna Adhyayana
Name of Course In-charge/Coordinator: Dr. Shivakumar D B

Course Code: KNA030

List of COs

CO ID	CO Statement	%Attainment
CO1	Familiar with Old Kannada Poetry	89.23
CO2	Adopt the correct reading of Old Kannada poetry	95.38
CO3	Identify the different forms of meters in the writings of poets of different genre	87.69
CO4	Learn to apply in creative literature	95.38

Course Title: Vimarshaya Adhyayana
Name of Course In-charge/Coordinator: Dr. Sudeep B S

Course Code: KNA040

List of COs

CO ID	CO Statement	%Attainment
CO1	Creates opportunity to nurture their ability to produce literary texts. CO2: Helps to understand the process of communicating and interpreting human experience through literary representation	89.23
CO2	Helps to understand the process of communicating and interpreting human experience through literary representation	88.46
CO3	They learn to raise significant questions, gather relevant evidence, reach well-reasoned conclusions.	96.92
CO4	Students also develop an ethical orientation to living as their study of literature encourages them to value human actions, motivations, and differences.	90.00

Course Title: Bashavignanada Mulatatvagalu

Course Code: KNA210

Name of Course In-charge/Coordinator: Dr. Sudeep B S

List of COs

CO ID	CO Statement	%Attainment
CO1	They have the ability to analyse and interpret all aspects of language phenomena	95.38
CO2	Able to understand the concepts, theories, and methodologies used by linguists	88.46
CO3	Helps in qualitative and quantitative analyses of linguistic structure, and patterns of language use.	99.23
CO4	Developes a significant capacity for adaptation and the ability to question and engage in professional practice	96.92

Course Title: Madhyakaleena Kannada Sahithya : Patya

Course Code: KNB010

Name of Course In-charge/Coordinator: Dr. Sudeep B S

List of COs

CO ID	CO Statement	%Attainment
CO1	Able to understand the background for the linguistic situation of the period.	93.85
CO2	Appreciate the representative poets, novelists and works of Kannada literature	96.15
CO3	Identify and describe distinct literary characteristics of the literature of this time period	84.62
CO4	Able to analyze and interpret texts.	96.15

Course Title: Madhyakaleena Kannada Sahithya Hinnele

Course Code: KNB020

Name of Course In-charge/Coordinator: Dr. Prabhuswamy B

List of COs

CO ID	CO Statement	%Attainment
CO1	Helps to understand the historical and cultural contexts of the literature of this period to some major authors, works, and genres	96.15
CO2	Imbibe good ethics explored in the works	86.15
CO3	Helps to Identify the key elements that are distinctive to the artistic achievement of early modern writers.	92.31
CO4	Reflect and write analytically about the literary texts and their contexts.	93.08

Course Title: Dravida Bashavijyayana

Course Code: KNB030

Name of Course In-charge/Coordinator: Dr. Shivakumara D B

List of COs

CO ID	CO Statement	%Attainment
CO1	Earn knowledge on the Origin and Growth of Dravidian Languages	90.77
CO2	Develope the skill to write in traditional form	89.23
CO3	Acquire knowledge to analyse Old Kannada Literature	92.31
CO4	Able to make the comparitive analysis of Dravidian Literature	82.31

Course Title: Kannada Vimarshe : Ayda Lekhanagalu

Course Code: KNB040

Name of Course In-charge/Coordinator: Dr. Sudeep B S

List of COs

CO ID	CO Statement	%Attainment
CO1	Understand the growth of Kannada Criticism	98.21
CO2	Able enough to evaluate the present genre writings	94.64
CO3	Understand to view literature in different dimensions	94.64
CO4	Learn to write analytically about the literary text and their contexts	87.50

Course Title: Kannada Vyakarangala Thoulanika Samikshe

Course Code: KNB210

Name of Course In-charge/Coordinator: Dr. D B Shivakumar

List of COs

CO ID	CO Statement	%Attainment
CO1	Able to lidentify the different ways in which grammar has been described.	98.21
CO2	Imply the use of grammar and vocabulary in speech and writing	87.50
CO3	Learn how to analyze unfamiliar words by understanding the structure of the Language.	92.86
CO4	Increase confidence in their ability to read, comprehend, organize, and retain written information.	89.29

Course Title: Kannada Samskurthi Chinthane **Course Code:** KNB220
Name of Course In-charge/Coordinator: Dr. D B Shivakumar

List of COs

CO ID	CO Statement	%Attainment
CO1	Acquire knowledge of Different phases of Kannada Culture	98.21
CO2	Understand and adopt the values of Rich Heritage of Kannada Culture	87.50
CO3	Understand the relation between Kannada Language and Culture	92.86
CO4	Read and analyse the opinions of famous intellectuals about Kannada Culture	89.29

Course Title: Thulanika Sahithya : Kavya mattu Nataka **Course Code:** KNC010
Name of Course In-charge/Coordinator: Dr. Sudeep B S

List of COs

CO ID	CO Statement	%Attainment
CO1	Explore the connections of literature with history, philosophy, politics, and literary theory	96.43
CO2	Analyze literary works from various genres for their structure and meaning, using correct terminology	98.21
CO3	Develop multi-dimensional characters	96.43
CO4	Help to interact, with other cultural forms of literature.	91.79

Course Title: Adunika Kannada Sahithyada Hinnele **Course Code:** KNB020
Name of Course In-charge/Coordinator: Dr. Sudeep B S

List of COs

CO ID	CO Statement	%Attainment
CO1	Develops new thinking on modern writers and their writings.	88.89
CO2	Identify and describe distinct literary characteristics of 20th century literature	92.59
CO3	Effectively communicate ideas related to the literary works	88.89
CO4	Integrate source material into research papers smoothly	95.19

Course Title: Bharatiya Kavya Mimamse

Course Code: KNB030

Name of Course In-charge/Coordinator: Dr. Shivakumar D B

List of COs

CO ID	CO Statement	%Attainment
CO1	Helps to unfold new spheres of study and research	100.00
CO2	Understand Indian poetics with its speciality of literary devices, Helps to gain knowledge of poetry as a literary genre.	89.50
CO3	Able to Identify and describe distinct literary characteristics of poetic forms	97.10
CO4	Able to analyse poetic works for their structure and meaning, using correct terminology	96.50

Course Title: Samashodana vidyana mattu Ganaka Gyana

Course Code: KNC040

Name of Course In-charge/Coordinator: Dr. Prabhuswamy B

List of COs

CO ID	CO Statement	%Attainment
CO1	Understand the Research methodology of Kannada Studies	100.00
CO2	Understand the historical background of Kannada Research	88.89
CO3	Learn to utilize the application of the computers	96.30
CO4	Learn the application of computers in Social media	92.96

Course Title: Upabasha Vijyayana

Course Code: KNC210

Name of Course In-charge/Coordinator: Dr. Shivakumar D B

List of COs

CO ID	CO Statement	%Attainment
CO1	Understand various Kannada Dialects.	100.00
CO2	Learn the Phonetics of Kannada Dialects	85.19
CO3	Attempt to collect local dialects through field visits by solving survey problems	100.00
CO4	Analyse the different phases of the growth of kannada dialects.	97.78

Course Title: Adunika Kannada Sahithya : Patya

Course Code: KND010

Name of Course In-charge/Coordinator: Dr. Prabhuswamy B

List of COs

CO ID	CO Statement	%Attainment
CO1	Learn different phases of the growth of Kannada novels and poems.	93.10
CO2	Understand the diverse themes according to period.	96.55
CO3	Create interest to opt these in their research work.	93.10
CO4	Motivate young writers.	93.10

Course Title: Pacshatiya Kavya Mimamse

Course Code: KND020

Name of Course In-charge/Coordinator: Dr. Sudeep B S

List of COs

CO ID	CO Statement	%Attainment
CO1	Acquire knowledge on western literary criticism.	100.00
CO2	Analyse the influence of western literary criticism on Kannada literature.	100.00
CO3	Develop analytical skills.	93.10
CO4	Identify the difference between eastern and western criticism.	96.55

Course Title: Samuha Madyama

Course Code: KND030

Name of Course In-charge/Coordinator: Dr. Shivakumar D B

List of COs

CO ID	CO Statement	%Attainment
CO1	Gather knowledge on social and mass media.	95.71
CO2	Understand the working knowledge about AIR, TV Channels, cinemas and press media.	100.00
CO3	Enhanced communicative skills help in carrier opportunity.	87.50
CO4	Able to work in various positions in media sector.	93.93

Course Title: Avadika Karya

Course Code: KND040

Name of Course In-charge/Coordinator: Dr. Sudeep B S

List of COs

CO ID	CO Statement	%Attainment
CO1	Understand the research methodology.	95.71
CO2	Implement the knowledge in their project work.	100.00
CO3	Learn editing skills.	97.50
CO4	Helps to pursue doctoral research.	93.93

Course Title: Kannada Basha Swaroopa : Patya

Course Code: KND210

Name of Course In-charge/Coordinator: Dr. D B Shivakumar

List of COs

CO ID	CO Statement	%Attainment
CO1	Develop the ability to analyse and interpret all aspects of language phenomena	95.71
CO2	Able to understand the concepts, theories, and methodologies used by linguists.	100.00
CO3	Helps in qualitative and quantitative analyses of linguistic structure, and patterns of language use.	87.50
CO4	Developes a significant capacity for adaptation and the ability to question and engage in professional practice	83.93

JSS MAHAVIDYAPEETHA
JSS College of Arts, Commerce and Science (Autonomous)
Ooty Road, Mysuru - 570025

Outcome Attainments 2018-19

Department: History
Program Code: HE14

Program: BA

PO ID	PO	Overall Attainment
BAHE14P01	Critically recognize the social, political, economic and cultural aspects of History	81.11
BAHE14P02	Demonstrate thinking skills by analyzing, synthesizing, and evaluating historical information from multiple sources	83.05
BAHE14P03	Correctly extract evidence from primary sources by analyzing and evaluating them in relation to their cultural and historical context	77.5
BAHE14P04	Develop an informed familiarity with multiple cultures	78.88
BAHE14P05	Emerge as a multifaceted personality who is self-dependent	78.75
BAHE14P06	Spread the messages of equality, nationality, social harmony and other human values	84.44
BAHE14P07	Comprehend the basic structures and processes of government systems and/or theoretical underpinnings	79.72
BAHE14P08	Analyze political problems, arguments, information, and/or theories	83.64
BAHE14P09	Apply methods appropriate for accumulating and interpreting data applicable to the Discipline of political science & English	72.22
BAHE14P10	Acquire the ability to engage in independent and life-long learning in the broadest context socio-technological changes	83.88

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Outcome Attainments 2018-2019

Department: History

Program: BA

Program Code: HE14

Course Title: HISTORY OF INDIA (300 BCE TO 300 AD)

Course Code	COs	Attainment
BAHE14CO1	Familiarise the students of early civilizations. The birth of new religions. Jainism and Budhism and the teachings of Mahaveera and Buddha	100
BAHE14CO2	Discuss ancient republics, establishment of great Empires political land military Adventures of out great rulers	100
BAHE14CO3	Gain knowledge of Economic, Social and religious conditions and education system of Ancient period	100
BAHE14CO4	Inspire the students through the great literary books and contributions to the growth of Art & Architectures	100
BAHE14CO5	Understanding the administration of our great kingdoms and foreign trade and commercial activities are of great values in the development of the state	100

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Outcome Attainments 2018-2019

Department: History

Program: BA

Program Code: HE14

Course Title: History of India (750 CE to 1206 CE)

Course Code	COs	Attainment
BAHE14CO1	Assimilate knowledge to the students to learn the developments in India during the Muslim rule	100
BAHE14CO2	Conceptualize the Persian literary sources, military adventures and administration of Delhi Sulthanate and the great Moghuals	100
BAHE14CO3	Gain knowledge about the cultural contributions of sulthans in the medieval period	100
BAHE14CO4	Inspire the students through the great literary books and contributions to the growth of Art and Architectures	100
BAHE14CO5	Understanding the administration of our great kingdoms and foreign trade and commercial activities are of great values in the development of the state	100

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Outcome Attainments 2018-2019

Department: History

Program: BA

Program Code: HE14

Course Title: HISTORY OF INDIA (1206-1550)

Course Code	COs	Attainment
BAHE14CO1	Gain knowledge about the cultural contributions of sulthans in the medieval period	100
BAHE14CO2	Understanding the administration of our great kingdoms and foreign trade and commercial activities are of great values in the development of the state	100
BAHE14CO3	Inspire the students through the great literary books and contributions to the growth of Art and Architectures	100
BAHE14CO4	Assimilate knowledge to the students to learn the developments in India during the Muslim rule	100
BAHE14CO5	Conceptualize the Persian literary sources, military adventures and administration of Delhi Sulthanate and the great Moghuals	100
BAHE14CO6	Illuminate the aspects of Economy and its development in Medieval India	

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Outcome Attainments 2018-2019

Department: History

Program: BA

Program Code: HE14

Course Title: HISTORY OF INDIA (1500-1650)

Course Code	COs	Attainment
BAHE14CO1	Understand the detailed picture of the heroic resistance Indian to the company's rule, the battle of Plassi , Buxar and Carnatic wars and their effects	100
BAHE14CO2	Develop the knowledge of Consolidation of the British rule regulating Act 1773, subsidiary allianace, doctrine of lapse and land revenue policies.	100
BAHE14CO3	Indian renaissance and change of administration, the great revolt of 1857. It will inspire students to appreciate and respect national leaders and values of patriotism and nationalism	100
BAHE14CO4	Gain knowledge about foundation of Indian National congress. Role of moderates, extremists and Ghandhian era., to the students	100
BAHE14CO5	To understand the fusion of art, architecture, literature, language and fine arts in imedieval India under British rule	100

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OUTCOME ATTAINMENT 2018-19

Name of the Department: POLITICAL SCIENCE

Programme offered: B A : **BA22:BA26:BA25**

I SEMESTER Course code:

INTRODUCTION TO POLITICAL THEORY

Course title	CO Id	CO	%Attainment
POLITICAL THEORY	CO1	Learn in depth meaning and nature of political theory	100
	CO2	Deliberate in details with examples differences between politics and political theory	100
	CO3	Understand the characteristics of elements of state	100
	CO4	Specify the details of civil society	100
	CO5	Understand the classification and characteristics of rights	100
	CO5	Specify the classification and characteristics of democracy	100
	CO6	Learn in depth meaning and nature of political theory	77

PO/Id	PO	%Attainment
PO1	Critically recognizes the social, political, economic and cultural aspects of History.	66.67
PO2	Demonstrate thinking skills by analyzing, synthesizing, and evaluating them in relation to their cultural and historical context.	66.66
PO3	.Correctly extracts evidence from primary sources by analyzing and evaluating them in relation to their cultural and historical context	100
PO4	Develop an informed familiarity with multiple cultures	66.67
PO5	Demonstrate critical reading, writing and thinking skills	83.33
PO6	. Explain, graph, and analyze key economics models.	66.67

II SEMESTER Course code:DLB260
BA22/BA26/BA25

Course title	CO Id	Cos	%Attainment
INDIAN GOVERNMENT AND POLITICS	CO1	Identify the characteristics of Indian politics	100
	CO2	Understand the characteristics of Indian constitution	100
	CO3	Understand in details with application, if applicable, federalism	100
	CO4	Identify the classification and characteristics of power structure in India	100
	CO5	Identify the details of party system in India	100

PO/Id/No.	PO	%Attainment
PO1	.Critically recognizes the social, political, economic and cultural aspects of History.	100
PO2	Demonstrate thinking skills by analyzing, synthesizing, and evaluating them in relation to their cultural and historical context.	83.33
PO3	.Correctly extracts evidence from primary sources by analyzing and evaluating them in relation to their cultural and historical context	100
PO4	Develop an informed familiarity with multiple cultures	100
PO5	Demonstrate critical reading, writing and thinking skills	66.66

III SEMESTER COURSE CODE:DLC260

Course title	CO /Id	CO Statement	%Attainment
COMPARATIVE GOVERNMENT AND POLITICS	CO1	Specify the details of comparative governments	95
	CO2	Understand the details of classification of political systems	95
	CO3	Understand the classification and characteristics of electoral systems	95
	CO4	Learn the classification and characteristics of contemporary debates on state	95
	CO5	Understand in details with application, if applicable, contemporary debates	95

PO/Id/No.	PO	%Attainment
PO1	Critically recognizes the social, political, economic and cultural aspects of History.	66.66
PO2	Demonstrate thinking skills by analyzing, synthesizing, and evaluating them in relation to their cultural and historical context.	100
PO3	Correctly extracts evidence from primary sources by analyzing and evaluating them in relation to their cultural and historical context.	66.66
PO4	Develop an informed familiarity with multiple cultures.	66.67
PO5	Demonstrate critical reading, writing and thinking skills.	66.67

IVSEMESTER

COURSE CODE:DLD260

Course title	CO Id	CO Statement	%Attainment
INTRODUCTION TO INTERNATIONAL RELATIONS	CO1	Identify the classification and characteristics of approaches of international relations	100
	CO2	Specify the classification and characteristics of cold war	100
	CO3	Write down the characteristics of India's foreign policy	100
	CO4	Specify in depth India and her neighbours relationship	100
	CO5	Learn the details of relations of India with great powers	100

PO/Id/No.	PO	%Attainment
PO1	Critically recognizes the social, political, economic and cultural aspects of History.	83.33
PO2	Demonstrate thinking skills by analyzing, synthesizing, and evaluating them in relation to their cultural and historical context.	66.66
PO3	Correctly extracts evidence from primary sources by analyzing and evaluating them in relation to their cultural and historical context.	83.33
PO4	Develop an informed familiarity with multiple cultures.	66.67
PO5	Demonstrate critical reading, writing and thinking skills.	66.67

1. Direct Assessment:

	PO1	PO2	PO3	PO4	PO5
INRTODUCTION TO POLITICAL THEORY	66.66	66.67	100	66.67	83.33
INDIAN GOVERNMENT AND POLITICS	100	83.33	100	100	66.66
COMPARATIVE GOVERNMENT AND POLITICS	66.66	100	66.66	66.67	66.67
INRTODUCTION TO INTERNATIONAL Relations	83.33	66.66	83.33	66.67	83.33
Average	79.16	79.17	87.5	75	75
Av*0.8	63.328	63.336	70	60	60

2. Indirect Assessment

Response by	PO1	PO2	PO3	PO4	PSO1
Students	100	100	100	100	100
Teachers	100	100	100	100	100
Average	100	100	100	100	100
Av*0.2	20	20	20	20	20

% Attainment

	PO1	PO2	PO3	PO4	PO5
Overall PO/PSO attainment = Attainment (Direct)+Attainment (Indirect)	83.328	83.336	90	80	80

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Outcome Attainments 2018-19

Department: **UG Department of English**

Programme: **BA**

PO Attainment

(CBCS)

POID	PO	80 % Attainment	20 % Attainment	OVERALL ATTAINMENT
PO1	Students should be familiar with representative literary and cultural texts within a significant number of historical, geographical, and cultural contexts.	61.55	20	81.55
PO2	Students should be able to apply critical and theoretical approaches to the reading and analysis of literary and cultural texts in multiple genres	56.66	19.16	55.83
PO3	Students should be able to identify, analyze, interpret and describe the critical ideas, values and themes that appear in literary and cultural texts and understand the way these ideas, values and themes inform and impact culture and society, both now and in the past.	58.34	20	78.34
PO4	Students should be able to write analytically in a variety of formats, including essays, research papers, reflective writing, and critical reviews of secondary sources.	58.88	18.33	77.22
PO5	Students should be able to ethically gather, understand, evaluate and synthesize information from a variety of written and electronic sources.	53.33	20	73.33

PO6	Students should be able to understand the process of communicating and interpreting human experiences through literary representation using historical contexts and disciplinary methodologies.	60.04	18.33	78.38
PO7	Students should be able to spread the messages of equality, nationality, social harmony and other human values.	58.55	16.66	72.22
PO8	Students should be able to develop and carry out research projects, and locate, evaluate, organise, and incorporate information effectively.	63.33	17.50	80.83
PO9	Students should be able to acquire the ability to engage in independent and lifelong learning in a broader context about Socio-technological and demographic changes.	58.88	18.33	79.22
PO10	Students should be able to demonstrate critical reading, writing and thinking skill.	56.99	18.33	75.25

CO Attainment

CBSC Papers

Course Code: ELA22224

Course Title: Poetry, Drama and Essays

CO ID	CO	%Attainment
CO1	Know the history of English literature in the chronological order	100%
CO2	Enjoy the literary forms such as novel, poem, play, and essay.	100%
CO3	Critically understand the literature	100%
CO4	Emotionally develop students mind.	100%
CO5	Understand the culture in that particular period of time	100%
CO6	Enhance narrative capacity and be rational and decisive in his approach to life.	100%

Course Code: ELB22224

Course Title: Poetry, Fiction & Essays

CO ID	CO	%Attainment
CO1	Understand the language, culture and pattern of writing of the 18 th Century writers.	100%
CO2	Enjoy the literary forms such as novel, poem, and essay.	100%
CO3	Critically analyse the literature	100%
CO4	Understand the relation between literature and real life.	100%
CO5	Connect, compare and contrast the life of fantasy and fact.	100%
CO6	Distinguish the human qualities	100%

Course Code: ELC22224

Course Title: Poetry, Drama and Fiction

CO ID	CO	%Attainment
CO1	Apply theoretical knowledge into life effectively.	100%
CO2	Reminiscence certain literary descriptions and look at life with another perspective.	100%
CO3	Critical understanding of literature	100%
CO4	Relation between literature and real life.	100%
CO5	Understand the culture and tradition prevailed in the 19 th Century	100%
CO6	Connect, compare and contrast the life of fantasy and fact.	100%

Course Code: ELD22224

Course Title: Poetry, Fiction & Prose

CO ID	CO	%Attainment
CO1	Understand the culture and tradition prevailed in 20 th Century	100%
CO2	Enhance the narrative capacity and be rational and decisive in his approach to life	100%
CO3	Re-relate historical events in a more apprehensive language.	100%
CO4	Relation between literature and real life.	100%
CO5	Learn and lead a life filled with humanitarian concern.	100%

Course Code: ELE22224, 225

Course Title: **Modern Literature**

CO ID	CO	%Attainment
CO1	Have better understanding of life.	100%
CO2	Develop analytical and critical quality.	100%
CO3	Be creative in his day to day life and face the problems	100%
CO4	Relation between literature and real life.	100%
CO5	Compare and contrast the historical and modern works	100%

Course Code: ELF22224, 225

Course Title: **English Writing in Third World Countries**

CO ID	CO	%Attainment
CO1	Understand the problems the of third world countries	100%
CO2	Know the rift between colonised and coloniser	100%
CO3	Understand the spirit of independence and limitations of freedom.	100%
CO4	Get the knowledge of pre and post independent socio-political and economic aspects of India.	100%
CO5	Develop critical and rational thinking.	100%

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Outcome Attainments 2018-19

Department: **Journalism**

Programme: **BA**

PO Attainment

Programme Code: **BA25(CBCS)**

POID	PO	OVERALL ATTAINMENT
BA251	Acquire a functional knowledge of the underlying principles and recent emerging trends of the media industry.	86.95
BA252	Create a design emerging audio media production.	78.33
BA253	Conceptualize, create, design and strategies high-quality media content for various digital platforms.	87.5
BA254	Appreciate and demonstrate the ability to produce reliable outcome.	79.44
BA255	Demonstrate critical reading, writing and thinking skills.	79.45
BA256	Locate, evaluate, organize and incorporate information effectively.	78.05
BA257	Develop and carry out research project.	92.22
BA258	Demonstrate competence in Standard English Language and usage in documentation.	82.22

CO Attainment

Course Title: Introduction to Communication And Journalism

CO ID	CO	%Attainment
DLA270151	Become Freelance journalist.	100%
DLA270152	To set up the commercial studio.	100%
DLA270153	Become a armature photo journalist.	100%
DLA270154	Stringer for several media houses.	100%

Course Title: History of Indian Journalism

CO ID	CO	%Attainment
DLB270151	Become news reporters and stringers.	100%
DLB270152	Become circulation manager.	100%
DLB270153	Become script writer.	100%

Course Title: Reporting and Editing Techniques.

CO ID	CO	%Attainment
DLC270151	Prepare news copy	100%
DLC270152	Specialize as fashion reporter	100%
DLC270153	Prepare news copy editing	100%

Course Title: Media Laws and Ethics

CO ID	CO	%Attainment
DLD270151	Establish own publication.	100%
DLD270152	Develop live telecasting skills	100%
DLD270153	Develop social activities skills.	100%

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Outcome Attainments 2018-19

Department: Hindi

Programme: BCOM

PO ID	PO (BCOM) (11)	% Attainment
PO 1	Motivated for their higher education	96.66
PO 2	Write resume, letter of application and business letters	89.99
PO 3	Improve Spoken and written communication	100

Programme Code: JUC050

Course title : **Hindi** Gadya aur Vyakarna

Paper 1

CO ID	CO	% Attainment
CO 1	Deliberate in details with application, if applicable, short stores of 20 th century	100 %
CO 2	Deliberate in details with application, if applicable, gadya by manoja guptha	100 %
CO 3	Understand the classification and characteristics of gadya by manoja guptha	100 %
CO 4	Understand in details with application, if applicable, Hindi vyakaran	100 %
CO 5	Learn the details of Hindi vyakaran	100 %
CO 6	Specify in details with application, if applicable, Hindi vyakaran	100 %

Programme Code: JUC050

Course title : Hindi Kahani aur Vyakaran

Paper 2

CO ID	CO	%Attainment
CO 1	Specify in details with application, if applicable, Midiya lekan	100 %
CO 2	Understand the details of kahani of 20th cenyury	100 %
CO 3	Learn in details with application, if applicable, kahani of 20th cenyury	100 %
CO 4	Identify the classification and characteristics of Midiya lekan	100 %
CO 5	Deliberate the details of Hindi vyakaran	100 %
CO 6	Understand in details with application, if applicable, Midiya lekan	100 %

Programme Code: JCN 050

Course title : Hindi Kavya Anuvada tatha Paribhashik Shabdavali

Paper 3

CO ID	CO	%Attainment
CO 1	1. Deliberate the classification and characteristics of medieval and modern hindi kavya	100 %
CO 2	2 . Deliberate the characteristics of medieval and modern hindi kavya	100 %
CO 3	3 . Understand the details of Kaber by saakhe	100 %
CO 4	4 . Identify the characteristics of Hemala by ramadhare simha dinakar, Hindi Sarkari Patrachar	100 %

CO 5	5 . Learn in depth preyatham by suryakanta threepati nirala	100 %
CO 6	6 . Understand the characteristics of Hindi Anuvada	100 %
Co7	7 . Understand in depth Hindi Anuvada	100 %
Co8	8 . Identify in details with examples Hindi Anuvada	100 %

Programme Code: JCN 050

Course title : **Hindi Upanyasa tatha Vanijya Hindi**
Paper 4

CO ID	CO	% Attainment
CO 1	1. Learn in details with examples Novel-Gaban by Premchand	100 %
CO 2	2 . Understand in details with examples Novel-Gaban by Premchand	100 %
CO 3	3. Understand the details of Novel-Gaban by Premchand	100 %
CO 4	4. Identify the classification and characteristics of Vanijya Hindi	100 %
CO 5	5. Learn the classification and characteristics of Vanijya Hindi	100 %
CO 6	6. Identify in details with application, if applicable, Vanijya Hindi	100 %

1. Direct Assessment

2. Use the PO/PSO attainment in the worksheet for calculation

	PO1	PO2	PO3
Course 1	100	83.33	100
Course 2	100	83.33	100
Course 3	100	100	100
Course 4	83.33	100	100
Average above	95.83	91.66	100
Attainment (Direct) = 0.8* Average above	76.66	73.33	80

2. Indirect Assessment

Course 4

Attainment as responded by students, teachers

Response by	PO1	PO2	PO3
Students	3	2	3
Teachers	3	3	3
Average	3	2.5	3
Attainment (In-direct) = 0.2* Average above	100	83.33	100
Convert the responses given in 1/2/3 to %attainment using the formula: %Attainment = {response/3 * 100}	20	16.66	20

Overall PO/PSO attainment = Attainment (Direct)+Attainment (In-direct)	96.66	89.99	100
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Outcome Attainments 2018-19

Department: Hindi

Programme: BA

PO ID	PO (BA)	%Attainment
PO 1	Understand culture and heritage	86.67
PO 2	Manage business affairs	83.33
PO 3	Create interest in literature	93.33
PO 4	Report and edit public events effectively	93.33
PO 5	Develop reading writing communication and reasoning skills	93.33

Programme Code: JUH050

Course title : **Hindi Gadhya Aur Vyakarna**

Paper 1

CO ID	CO	% Attainment
CO 1	1 . Identify in details with examples kahani of 20th century	100 %
CO 2	2. Write down in depth kahani of 20th century	100 %
CO 3	3. Deliberate in depth kahani of 20th century	100 %
CO 4	4. Specify the classification and characteristics of Hindi vyakaran	100 %
CO 5	5. Identify the characteristics of Hindi vyakaran	100 %

Programme Code: JUH050

Course title : **Hindi Kahani Aur Vyakarna**

Paper 2

CO ID	CO	%Attainment
CO 1	1.Learn in details with examples Novel- by kamaleshwra	100 %
CO 2	2Understand in details with examples Novel-by kamaleshwra	100 %
CO 3	3.Understand the details of Novel-by kamaleshwra	100 %
CO 4	4. Identify the classification and characteristics of Prayojan Mulak Hindi	100 %
CO 5	5. Identify the characteristics of Hindi vykaran	100 %

Programme Code: JCL050

Course title : **Hindi Nataka aur Vanjya Hindi**

Paper 3

CO ID	CO	%Attainment
CO 1	1.Understand the characteristics of Hindi Natak	100 %
CO 2	2 . Deliberate in details with application, if applicable, Hindi Natak -deep daan by Ramkumar varma	100 %
CO 3	3. Deliberate the characteristics of Hindi Natak -Red ke haddi by Jagadeshachandra mathur	100 %
CO 4	4. Understand the details of Hindi Natak -sukhe dale by Upendranath ashka	100 %
CO 5	5. Write down in details with examples Hindi Natak -mai bee manav hu by Vishnu prabakar	100 %

CO6	6. Identify the details of Hindi Vanijya Hindi	100 %
CO7	7. Specify in depth Vanijya Hindi	100 %

Programme Code: JCL050

Course title : **Hindi Kavya aur Anuvada Paribhashik Shabdavali**
Paper 4

CO ID	CO	%Attainment
CO 1	1. Write down the classification and characteristics of medieval and madran Hindi Kavya	100 %
CO 2	2. Deliberate in details with application, if applicable, medieval - saakhi by Kaber	100 %
CO 3	3. Specify in details with examples Hemala by Ramadhare Simha Dinakar	100 %
CO 4	4. Specify in details with application, if applicable, Gurukul by Ramkumar Varma	100 %
CO 5	5. Specify the characteristics of Hindi Anuvada Paribhasik Shabdavali	100 %
Co6	6 . Learn in details with examples Hindi Anuvada Paribhasik Shabdavali	100 %

1. Direct Assessment

2. Use the PO/PSO attainment in the worksheet for calculation

	PO1	PO2	PO3	PO4	PO5
Course 1	67	100	100	100	100
Course 2	66.66	100	100	100	100
Course 3	100	66.66	66.66	100	100
Course 4	100	66.66	100	66.66	100
Average above	83.41	83.41	91.66	91.66	100
Attainment (Direct) = 0.8* Average above	66.67	66.67	73.33	73.33	80

2. Indirect Assessment

Course 4

Attainment as responded by students, teachers

Response by	PO1	PO2	PO3	PO4	PO5
Students	3	2	3	3	1
Teachers	3	3	3	3	3
Average	3	2.5	3	3	2
Attainment (In-direct) = 0.2* Average above	100	83.33	100	100	66.66
Convert the responses given in 1/2/3 to %attainment using the formula: %Attainment = {response/3 *100}	20	16.66	20	20	13.33

Overall PO/PSO attainment = Attainment (Direct)+Attainment (In-direct)	86.67	83.33	93.33	93.33	93.33
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Outcome Attainments 2018-19
Department: Hindi

Programme: BBA

PO ID	PO (BBA) (11)	% Attainment
PO 1	Inculcate human values	86.66
PO 2	Avail job opportunities in translation	85.99
PO 3	Create interest in literature	96.66

Programme Code: JUB050

Course title : **Hindi Kahani** aur Vyakarna

Paper 1

CO ID	CO	% Attainment
CO 1	Deliberate in details with application, if applicable, short stores of 20 th century	100 %
CO 2	Deliberate in details with application, if applicable, gadya by manoja guptha	100 %
CO 3	Understand the classification and characteristics of gadya by manoja guptha	100 %
CO 4	Understand in details with application, if applicable, Hindi vyakaran	100 %
CO 5	Learn the details of Hindi vyakaran	100 %
CO 6	Specify in details with application, if applicable, Hindi vyakaran	100 %

Programme Code: JUB050

Course title : **Hindi Gadya aur Vyakaran**

Paper 2

CO ID	CO	%Attainment
CO 1	Specify in details with application, if applicable, Midiya lekan	100 %
CO 2	Understand the details of kahani of 20th cenyury	100 %
CO 3	Learn in details with application, if applicable, kahani of 20th cenyury	100 %
CO 4	Identify the classification and characteristics of Midiya lekan	100 %
CO 5	Deliberate the details of Hindi vyakaran	100 %
CO 6	Understand in details with application, if applicable, Midiya lekan	100 %

Programme Code: JCP050

Course title : **Hindi Kavya Anuvada tatha Paribhashik Shabdavali**

Paper 3

CO ID	CO	%Attainment
CO 1	Deliberate the classification and characteristics of medieval and modern hindi kavya	100 %
CO 2	Deliberate the characteristics of medieval and modern hindi kavya	100 %
CO 3	Understand the details of Kaber by saakhe	100 %
CO 4	Identify the characteristics of Hemala by ramadhare simha dinakar, Hindi Sarkari Patrachar	100 %
CO 5	Learn in depth preyatham by suryakanta threepati niralala	100 %

CO 6	Understand the characteristics of Hindi Anuvada	100 %
Co7	Understand in depth Hindi Anuvada	100 %
Co8	Identify in details with examples Hindi Anuvada	100 %

1.

Programme Code: JCP050

Course title : Hindi Upanyas aur Vanijya Hindi

Paper 4

CO ID	CO	% Attainment
CO 1	Learn in details with examples Novel-Gaban by Premchand	100 %
CO 2	Understand in details with examples Novel-Gaban by Premchand	100 %
CO 3	Understand the details of Novel-Gaban by Premchand	100 %
CO 4	Identify the classification and characteristics of Vanijya Hindi	100 %
CO 5	Learn the classification and characteristics of Vanijya Hindi	100 %
CO 6	Identify in details with application, if applicable, Vanijya Hindi	100 %

2.

4. Direct Assessment

5. Use the PO/PSO attainment in the worksheet for calculation

	PO1	PO2	PO3
Course 1	100	83.33	100
Course 2	100	77.77	83.33
Course 3	66.66	100	100
Course 4	66.66	83.33	100
Average above	83.33	86.10	95.83
Attainment (Direct) = 0.8* Average above	66.66	69.66	76.66

2. Indirect Assessment

Course 4

Attainment as responded by students, teachers

Response by	PO1	PO2	PO3
Students	3	2	3
Teachers	3	3	3
Average	3	2.5	3
Attainment (In-direct) = 0.2* Average above	100	83.33	100
Convert the responses given in 1/2/3 to %attainment using the formula: %Attainment ={response/3 *100}	20	16.66	20

Overall PO/PSO attainment = Attainment (Direct)+Attainment (In-direct)	86.66	85.99	96.66
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JSS Mahavidyapeetha

JSS College of Arts, Commerce and Science (Autonomous)
Ooty Road, Mysuru - 570025
Outcome Attainments 2018-19
Department: Hindi

Programme: BCA

PO ID	PO (BCA) (11)	% Attainment
PO 1	Inculcate human values	80
PO 2	Avail job opportunities in translation	76.66
PO 3	Create interest in literature	96.66

Programme Code: JUA050

Course title : **Hindi Kahani** aur Vyakarna

Paper 1

CO ID	CO	% Attainment
CO 1	Deliberate in details with application, if applicable, short stores of 20 th century	100 %
CO 2	Deliberate in details with application, if applicable, gadya by manoja guptha	100 %
CO 3	Understand the classification and characteristics of gadya by manoja guptha	100 %
CO 4	Understand in details with application, if applicable, Hindi vyakaran	100 %
CO 5	Learn the details of Hindi vyakaran	100 %
CO 6	Specify in details with application, if applicable, Hindi vyakaran	100 %

Programme Code: JUA050

Course title : **Hindi Gadya aur Vyakaran**

Paper 2

CO ID	CO	%Attainment
CO 1	Specify in details with application, if applicable, Midiya lekan	100 %
CO 2	Understand the details of kahani of 20th cenyury	100 %
CO 3	Learn in details with application, if applicable, kahani of 20th cenyury	100 %
CO 4	Identify the classification and characteristics of Midiya lekan	100 %
CO 5	Deliberate the details of Hindi vyakaran	100 %
CO 6	Understand in details with application, if applicable, Midiya lekan	100 %

Programme Code: JCM 050

Course title : **Hindi Kavya Anuvada tatha Paribhashik Shabdavali**

Paper 3

CO ID	CO	%Attainment
CO 1	Deliberate the classification and characteristics of medieval and modern hindi kavya	100 %
CO 2	Deliberate the characteristics of medieval and modern hindi kavya	100 %
CO 3	Understand the details of Kaber by saakhe	100 %
CO 4	Identify the characteristics of Hemala by ramadhare simha dinakar, Hindi Sarkari Patrachar	100 %
CO 5	Learn in depth preyatham by suryakanta threepati nirala	100 %
CO 6	Understand the characteristics of Hindi Anuvada	100 %

Co7	Understand in depth Hindi Anuvada	100 %
Co8	Identify in details with examples Hindi Anuvada	100 %

Programme Code: JCM 050

Course title : **Hindi Upanyas Tatha Vanijya Hindi**
Paper 4

CO ID	CO	% Attainment
CO 1	Learn in details with examples Novel-Gaban by Premchand	100 %
CO 2	Understand in details with examples Novel-Gaban by Premchand	100 %
CO 3	Understand the details of Novel-Gaban by Premchand	100 %
CO 4	Identify the classification and characteristics of Vanijya Hindi	100 %
CO 5	Learn the classification and characteristics of Vanijya Hindi	100 %
CO 6	Identify in details with application, if applicable, Vanijya Hindi	100 %

1. Direct Assessment

2. Use the PO/PSO attainment in the worksheet for calculation

	PO1	PO2	PO3
Course 1	66.66	66.66	100
Course 2	66.66	66.66	100
Course 3	66.66	83.33	100
Course 4	100	83.33	83.33
Average above	74.99	74.99	95.83
Attainment (Direct) = 0.8* Average above	60	60	76.66

2. Indirect Assessment

Course 4

Attainment as responded by students, teachers

Response by	PO1	PO2	PO3
Students	3	2	3
Teachers	3	3	3
Average	3	2.5	3
Attainment (In-direct) = 0.2* Average above	100	83.33	100
Convert the responses given in 1/2/3 to %attainment using the formula: %Attainment = {response/3 * 100}	20	16.66	20

Overall PO/PSO attainment = Attainment (Direct)+Attainment (In-direct)	80	76.66	96.66
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JSS Mahavidyapeetha

JSS College of Arts, Commerce and Science (Autonomous)

Ooty Road, Mysuru - 570025

Outcome Attainments 2018-19

Department: Hindi

Programme: BCOM

PO ID	PO (BCOM) (11)	% Attainment
PO 1	Motivated for their higher education	96.66
PO 2	Write resume, letter of application and business letters	89.99
PO 3	Improve Spoken and written communication	100

Programme Code: JUC050

Course title : **Hindi** Gadya aur Vyakarna

Paper 1

CO ID	CO	% Attainment
CO 1	Deliberate in details with application, if applicable, short stores of 20 th century	100 %
CO 2	Deliberate in details with application, if applicable, gadya by manoja guptha	100 %
CO 3	Understand the classification and characteristics of gadya by manoja guptha	100 %
CO 4	Understand in details with application, if applicable, Hindi vyakaran	100 %
CO 5	Learn the details of Hindi vyakaran	100 %
CO 6	Specify in details with application, if applicable, Hindi vyakaran	100 %

Programme Code: JUC050

Course title : **Hindi Kahani aur Vyakaran**

Paper 2

CO ID	CO	%Attainment
CO 1	Specify in details with application, if applicable, Midiya lekan	100 %
CO 2	Understand the details of kahani of 20th cenyury	100 %
CO 3	Learn in details with application, if applicable, kahani of 20th cenyury	100 %
CO 4	Identify the classification and characteristics of Midiya lekan	100 %
CO 5	Deliberate the details of Hindi vyakaran	100 %
CO 6	Understand in details with application, if applicable, Midiya lekan	100 %

Programme Code: JCN 050

Course title : **Hindi Kavya Anuvada tatha Paribhashik Shabdavali**

Paper 3

CO ID	CO	%Attainment
CO 1	1. Deliberate the classification and characteristics of medieval and modern hindi kavya	100 %
CO 2	2 . Deliberate the characteristics of medieval and modern hindi kavya	100 %
CO 3	3 . Understand the details of Kaber by saakhe	100 %
CO 4	4 . Identify the characteristics of Hemala by ramadhare simha dinakar, Hindi Sarkari Patrachar	100 %
CO 5	Co5 . Learn in depth preyatham by suryakanta threepati niral	100 %

CO 6	Co6 . Understand the characteristics of Hindi Anuvada	100 %
Co7	7 . Understand in depth Hindi Anuvada	100 %
Co8	8 . Identify in details with examples Hindi Anuvada	100 %

Programme Code: JCN 050

Course title : **Hindi Upanyasa tatha Vanijya Hindi**
Paper 4

CO ID	CO	% Attainment
CO 1	1 . Learn in details with examples Novel-Gaban by Premchand	100 %
CO 2	2 . Understand in details with examples Novel-Gaban by Premchand	100 %
CO 3	3 . Understand the details of Novel-Gaban by Premchand	100 %
CO 4	4 . Identify the classification and characteristics of Vanijya Hindi	100 %
CO 5	5 . Learn the classification and characteristics of Vanijya Hindi	100 %
CO 6	6 . Identify in details with application, if applicable, Vanijya Hindi	100 %

1. Direct Assessment

2. Use the PO/PSO attainment in the worksheet for calculation

	PO1	PO2	PO3
Course 1	100	83.33	100
Course 2	100	83.33	100
Course 3	100	100	100
Course 4	83.33	100	100
Average above	95.83	91.66	100
Attainment (Direct) = 0.8* Average above	76.66	73.33	80

2. Indirect Assessment

Course 4

Attainment as responded by students, teachers

Response by	PO1	PO2	PO3
Students	3	2	3
Teachers	3	3	3
Average	3	2.5	3
Attainment (In-direct) = 0.2* Average above	100	83.33	100
Convert the responses given in 1/2/3 to %attainment using the formula: %Attainment = {response/3 * 100}	20	16.66	20

Overall PO/PSO attainment = Attainment (Direct)+Attainment (In-direct)	96.66	89.99	100
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JSS Mahavidyapeetha
JSS College of Arts, Commerce and Science (Autonomous)
Ooty Road, Mysuru - 570025
Outcome Attainments 2018-19
Department: Hindi

Programme: BSC

PO ID	PO (BSA)	%Attainment
PO 1	Inculcate human values	86.66
PO 2	Avail job opportunities in translation	100
PO 3	Create interest in literatur	86.66

Programme Code: JUS 050

Course title : **Hindi Gadhya Aur Vyakarna**

Paper 1

CO ID	CO	% Attainment
CO 1	1 . Identify in details with examples kahani of 20th century	100 %
CO 2	2. Write down in depth kahani of 20th century	100 %
CO 3	3. Deliberate in depth kahani of 20th century	100 %
CO 4	4. Specify the classification and characteristics of Hindi vykaran	100 %
CO 5	5. Identify the characteristics of Hindi vykaran	100 %

Programme Code: JUS 050

Course title : **Hindi Kahani Aur Vyakarna**

Paper 2

CO ID	CO	%Attainment
CO 1	1.Learn in details with examples Novel- by kamaleshwra	100 %
CO 2	2Understand in details with examples Novel-by kamaleshwra	100 %

CO 3	3. Understand the details of Novel-by kamaleshwra	100 %
CO 4	4. Identify the classification and characteristics of Prayojan Mulak Hindi	100 %
CO 5	5. Identify the characteristics of Hindi vyakaran	100 %

Programme Code: JCM 050

Course title : **Hindi Nataka** aur Vanjya Hindi

Paper 3

CO 1	1. Understand the characteristics of Hindi Natak	100 %
CO 2	2 . Deliberate in details with application, if applicable, Hindi Natak - deep daan by Ramkumar varma	100 %
CO 3	3. Deliberate the characteristics of Hindi Natak -Red ke haddi by Jagadeshachandra mathur	100 %
CO 4	4. Understand the details of Hindi Natak -sukhe dale by Upendranath ashka	100 %
CO 5	5. Write down in details with examples Hindi Natak -mai bee manav hu by Vishnu prabakar	100 %
CO6	6. Identify the details of Hindi Vanijya Hindi	100 %
CO7	7. Specify in depth Vanijya Hindi	100 %

Programme Code: JCM 050

Course title : **Hindi Kavya** aur Anuvada Paribhashik Shabdavali

Paper 4

CO ID	CO	%Attainment
CO 1	1. Write down the classification and	100 %

	characteristics of medieval and madran Hindi Kavya	
CO 2	2. Deliberate in details with application, if applicable, medieval - saakhi by Kaber	100 %
CO 3	3. Specify in details with examples Hemala by Ramadhare Simha Dinakar	100 %
CO 4	4. Specify in details with application, if applicable, Gurukul by Ramkumar Varma	100 %
CO 5	5. Specify the characteristics of Hindi Anuvada Paribhasik Shabdavali	100 %
Co6	6 . Learn in details with examples Hindi Anuvada Paribhasik Shabdavali	100 %

1. Direct Assessment

- Use the PO/PSO attainment in the worksheet for calculation

	PO1	PO2	PO3
Course 1	83.33	100	100
Course 2	83.33	100	100
Course 3	83.33	100	100
Course 4	83.33	100	100
Average above	83.33	100	100
Attainment (Direct) = 0.8* Average above	66.66	80	80

2. Indirect Assessment

Course 4

Attainment as responded by students, teachers

Response by	PO1	PO2	PO3
Students	3	3	2
Teachers	3	3	3
Average	3	3	2.5
Attainment (In-direct) = 0.2* Average above	100	100	83.33
Convert the responses given in 1/2/3 to %attainment using the formula: %Attainment ={response/3 *100}	20	20	16.66

Overall PO/PSO attainment = Attainment (Direct)+Attainment (In-direct)	86.66	100	86.66
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JSS Mahavidyapeetha
JSS College of Arts, Commerce and Science
 Ooty Road, Mysuru

Department: Physics

Programme Name: B.Sc

Session/Year: 2018-19

Programme Code:

List of POs & PSOs

POID	PO Statement	%Attainment (Overall)*
PO1	Demonstrate proficiency in mathematics and the mathematical concepts needed for a proper understanding of physics	97.32
PO2	Demonstrate the ability to justify and explain their thinking and/or approach	97.32
PO3	Develop state of the art laboratory and professional communication skills	96.66
PO4	Apply the scientific method to design, execute and analyse an experiment	100

*Average from all the courses.

After converting direct attainment to 80% and indirect attainment to 20%, give overall attainment as summation of the above.

Send the sample filled in survey forms for indirect assessment

Course title	Course Code	CO Statement	% Attainment
I SEM Mechanics	DMA29001	Learn the detail of Elasticity	100
	DMA29002	Understand the classification and characteristics of motion of a point particle	100
	DMA29003	Understand in detail with example frame of reference and relative motion	100
	DMA29004	Deliberate the classification and characteristics of Dynamic of particle in conservative field	100
II SEM Electricity and magnetism	DMB29001	Deliberate in detail with examples vector analysis	100
	DMB29002	Write down in detail with application, electrostatics and magneto static	100
	DMB29003	Write down the classification and characteristics of AC Circuits	100
	DMB29004	Specify in details with application, if applicable, properties of magnet material	100
III SEM Thermal Physics	DMC29001	Write down the classification and characteristics of laws of thermodynamics	77.7
	DMC29002	Have a clear understanding about reversible and irreversible process	89.8
	DMC29003	Understand the classification and characteristics of entropy and thermodynamic potential	43.5
	DMC29004	Specify in details with examples kinetic theory of gases	71.2

IV SEM Waves and Optics	DMD29001	Specify the classification and characteristics of Fourier theorem	56.2
	DMD29002	Learn in detail with application, superposition of simple harmonic motion	45.7
	DMD29003	.Learn the details of Interference, diffraction and polarization	100
	DMD29004	Deliberate in detail with examples Sound, wave optics and transducers	75

JSS Mahavidyapeetha
JSS College of Arts, Commerce and Science (Autonomous)
Ooty Road, Mysuru - 570025

Outcome Attainments 2018-19

Department: CHEMISTRY

Programme: BSc-PCM, CBZ,CZBt

Programme Code: DMA24001/ DMA24005/ DMA24008

PO attainment:

I semester

Course title	POID	PO	%Attainment
CHEMISTRY - 1	PO1	Demonstrate proficiency in Mathematics and the Mathematical concepts needed for a proper understanding of Physics.	100
	PO2	Demonstrate the ability to justify and explain their thinking and/or approach	65.7
	PO3	Demonstrate the ability to think , express and present in a clear, logical and succinct arguments	85.67
	PO4	Develop state – of – the –art laboratory skills and professional communication skills	80
	PO5	Use this has a basis for ethical behavior in issues facing chemist/drugs	100
	PO1	Demonstrate proficiency in Mathematics and the Mathematical concepts needed for a proper understanding of Physics.	100

II semester

Course title	CO ID	CO	%Attainment
CHEMICAL ENERGETICS AND ORGANIC CHEMISTRY	CO1	Understand the concept of thermodynamics	100
	CO2	Learn the concept of ionic equilibria.	86.67
	CO3	Understand the mechanisms involved in functional Organic Chemistry..	100
	CO4	Study the applications of electrochemistry.	100

PO attainment :

Course title	POID	PO	%Attainment
CHEMISTRY - II	PO1	Demonstrate proficiency in Mathematics and the Mathematical concepts needed for a proper understanding of Physics.	80.22
	PO2	Demonstrate the ability to justify and explain their thinking and/or approach	88.75
	PO3	Demonstrate the ability to think , express and present in a clear, logical and succinct arguments	87.56
	PO4	Develop state – of – the –art laboratory skills and professional communication skills	100
	PO5	Use this as a basis for ethical behavior in issues facing chemist/drugs	100
		To develop in students the ability to adapt and apply methodology to the solution of unfamiliar types of problems.	66.7

III semester

Course title	CO ID	CO	%Attainment
SOLUTIONS AND ORGANIC CHEMISTRY	CO1	Understand the concepts of electrochemistry.	100
	CO2	Study organometallic compounds.	98.78
	CO3	Learn the synthesis and reactions of amino acids, carbohydrates, alkaloids, vitamins, hormones and terpenes.	89.55
	CO4	Understand the qualitative organic analysis of organic compounds and enthalpy reactions.	96.66

PO Attainment:

Course title	POID	PO	%Attainment
Chemistry III	PO1	Demonstrate proficiency in Mathematics and the Mathematical concepts needed for a proper understanding of Physics.	100
	PO2	Demonstrate the ability to justify and explain their thinking and/or approach	60
	PO3	Demonstrate the ability to think, express and present in a clear, logical and succinct arguments	80
	PO4	Develop state – of – the –art laboratory skills and professional communication skills	100
	PO5	Use this as a basis for ethical behavior in issues facing chemist/drugs	100

IV semester

Course title	CO ID	CO	%Attainment
COORDINATION CHEMISTRY AND PHYSICAL CHEMISTRY	CO1	Know about co-ordination chemistry.	100
	CO2	Understand kinetic theory of gases, properties of liquids and crystallography.	100
	CO3	Acquire knowledge on the qualitative analysis of mixtures.	100

PO Attainment

Course title	POID	PO	%Attainment
Chemistry IV	PO1	Demonstrate proficiency in Mathematics and the Mathematical concepts needed for a proper understanding of Physics.	100
	PO2	Demonstrate the ability to justify and explain their thinking and/or approach	100
	PO3	Demonstrate the ability to think , express and present in a clear, logical and succinct arguments	97.88
	PO4	Develop state – of – the –art laboratory skills and professional communication skills	95.44
	PO5	Use this has a basis for ethical behavior in issues facing chemist/drugs	100

1. Direct Assessment:

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
Atomic structure, bonding, General organic chemistry and aliphatic hydrocarbons.	100	65.75	85.67	80	100	100	100	66.66	73.99
Chemical Energetics, equilibria and functional group organic chemistry	80.22	88.5	87.56	100	100	100	100	66.66	73.99
Solutions and organic chemistry	100	60.0	80.0	100	100	100	100	66.66	73.99
Coordination chemistry and physical chemistry	100	100	97.88	95.45	100	100	100	66.66	73.99
Average	95.055	78.56	87.77	93.86	100	100	100	66.66	73.99
Av*0.8	76.044	62.85	70.22	75.09	80	80	80	53.32	59.19

2. Indirect Assessment

Response by	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
Students	100	100	100	100	100	100	100	100	100
Teachers	100	100	100	100	100	100	100	100	100
Average	100	100	100	100	100	100	100	100	100
Av*0.2	20	20	20	20	20	20	20	20	20

% Attainment

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
Overall PO/PSO attainment = Attainment (Direct)+Attainment (In-direct)	96.044	82.85	90.22	95.09	100	100	100	73.32	79.19

JSS College of Arts, Commerce and Science (Autonomous)
Ooty Road, Mysuru - 570025

Outcome Attainments 2018-19

Department: Mathematics

Programme: B.Sc

Programme Code: BScPCM01/BScPMCs02/BScPMcM03/BScPME04

I SEMESTER

Course title	CO ID	CO	%Attainment
Differential Calculus	CO1	Distinguish between the average rate of change and instantaneous rate of change.	100
	CO2	<i>Understand the concept in physics with the help of differential calculus.</i>	100
	CO3	Understand problem in chemistry, biology, electronics and business studies with a mathematical model.	100
	CO4	Understand the behavior of monotonic functions and curves.	100
	CO5	Find the approximate value of a function at a point using Taylor's formula.	100

PO ID	PO	%Attainment
PO1	Demonstrate proficiency in Mathematics and the Mathematical concepts needed for a proper understanding of Physics.	100
PO2	Demonstrate the ability to justify and explain their thinking and/or approach	60
PO3	Demonstrate the ability to think, express and present in a clear, logical and succinct arguments	40
PO4	Develop state-of-the-art laboratory skills and professional communication skills	80
PO5	Use this as a basis for ethical behavior in issues facing chemists/drugs	100

II SEMESTER

Course title	CO ID	CO	%Attainment
Differential Equations	CO1	Find the general solution and particular solution of a differential equation.	100
	CO2	<i>Distinguish between homogeneous and non homogeneous equations.</i>	86.66
	CO3	Understand integrating factors and exact equations.	100

	CO4	Distinguish between ordinary and partial differential equations.	100
	CO5	Understand the difference between linearly dependent and independent solutions.	100

PO ID	PO	%Attainment
PO1	Demonstrate proficiency in Mathematics and the Mathematical concepts needed for a proper understanding of Physics.	80
PO2	Demonstrate the ability to justify and explain their thinking and/or approach	40
PO3	Demonstrate the ability to think, express and present in a clear, logical and succinct arguments	60
PO4	Develop state-of-the-art laboratory skills and professional communication skills	100
PO5	Use this as a basis for ethical behavior in issues facing chemist/drugs	100

III SEMESTER

Course title	CO ID	CO	%Attainment
Real Analysis	CO1	Distinguish between a field and an ordered field	100
	CO2	<i>Study the behaviour of sequences.</i>	100
	CO3	Discuss the nature of infinite series.	100
	CO4	Understand the concept of least upper bound principle and its applications.	100
	CO5	Distinguish between pointwise and uniform convergence of sequence of functions	100

PO ID	PO	%Attainment
PO1	Demonstrate proficiency in Mathematics and the Mathematical concepts needed for a proper understanding of Physics.	100
PO2	Demonstrate the ability to justify and explain their thinking and/or approach	60
PO3	Demonstrate the ability to think, express and present in a clear, logical and succinct arguments	80

PO4	Develop state – of – the –art laboratory skills and professional communication skills	100
PO5	Use this has a basis for ethical behavior in issues facing chemist/drugs	100

IV SEMESTER

Course title	CO ID	CO	%Attainment
Algebra	CO1	Understand the concept of groups.	100
	CO2	<i>Understand the concept of cyclic groups.</i>	100
	CO3	Understand normal subgroups and Quotient groups.	100
	CO4	Understand the symmetries of geometrical figures.	100
	CO5	Understand the concept of integral domains and fields.	100

PO ID	PO	%Attainment
PO1	Demonstrate proficiency in Mathematics and the Mathematical concepts needed for a proper understanding of Physics.	100
PO2	Demonstrate the ability to justify and explain their thinking and/or approach	100
PO3	Demonstrate the ability to think , express and present in a clear, logical and succinct arguments	40
PO4	Develop state – of – the –art laboratory skills and professional communication skills	60
PO5	Use this has a basis for ethical behavior in issues facing chemist/drugs	100

1. Direct Assessment:

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
Differential calculus	100	60	40	80	100	100	60	40	80
Differential Equations	100	40	60	100	100	100	40	60	100
Real Analysis	100	60	80	100	100	100	60	80	100
Algebra	100	100	40	60	100	100	100	40	60
Average	100	65	55	85	100	100	65	55	85
Av*0.8	80	52	44	68	80	80	52	44	68

2. Indirect Assessment

Response by	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
Students	100	100	100	100	100	100	100	100	100
Teachers	100	100	100	100	100	100	100	100	100
Average	100	100	100	100	100	100	100	100	100
Av*0.2	20	20	20	20	20	20	20	20	20

% Attainment

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
Overall PO/PSO attainment = Attainment (Direct)+Attainment (In-direct)	100	72	64	88	100	100	72	64	88

JSS Mahavidyapeetha
JSS College of Arts, Commerce and Science (Autonomous)
Ooty Road, Mysuru - 570025
Outcome Attainments 2018-19
Department: BIOCHEMISTRY

Programme: B.Sc

Programme Code: BScBBM 07/ BScBMBt06

I SEMESTER

Course title	CO ID	CO	%Attainment
Fundamentals Of Chemistry And Molecules Of Life	CO1	Understand in detail with examples stereo-chemistry	100
	CO2	Specify the characteristics of carbohydrates & glycobiology	100
	CO3	Learn the characteristics of proteins	100
	CO4	Understand the classification and characteristics of vitamins	100

PO ID	PO	%Attainment
PO1	Identify the taxonomic position of plants using principles and methods of nomenclature and classification in Botany	73.33
PO2	Understand the impact of the plant diversity in societal and environmental context	75
PO3	Demonstrate the knowledge of, and need for sustainable development	89
PO4	Use interdisciplinary approaches with quantitative skills to work on biological problems	89
PO5	Demonstrate the ability to justify and explain their thinking and/or approach	67
PO6	Develop state-of-the-art laboratory and professional communication skills	67
PO7	Apply the scientific method to design, execute, and analyze an experiment	83
PO8	Explain scientific procedures and their experimental observations	67

II SEMESTER

Course title	CO ID	CO	%Attainment
Physiology	CO1	Understand in depth cardiovascular physiology	100
	CO2	Specify the characteristics of renal physiology	100
	CO3	Deliberate the detail of musculoskeletal system	100
	CO4	Learn the detail of reproductive physiology	100

PO ID	PO	%Attainment
PO1	Identify the taxonomic position of plants using principles and methods of nomenclature and classification in Botany	74
PO2	Understand the impact of the plant diversity in societal and environmental context	75
PO3	Demonstrate the knowledge of, and need for sustainable development	89
PO4	Use interdisciplinary approaches with quantitative skills to work on biological problems	89
PO5	Demonstrate the ability to justify and explain their thinking and/or approach	67
PO6	Develop state-of-the-art laboratory and professional communication skills	67
PO7	Apply the scientific method to design, execute, and analyze an experiment	83
PO8	Explain scientific procedures and their experimental observations	67

III SEMESTER

Course title	CO ID	CO	%Attainment
Enzymology & Bioenergetics	CO1	Learn the characteristics of enzyme kinetics	100
	CO2	Learn in depth enzyme inhibitions	100
	CO3	Specify in detail with examples enzyme activity	100
	CO4	Understand the classification and characteristics of bioenergetics	100

PO ID	PO	%Attainment
PO1	Identify the taxonomic position of plants using principles and methods of nomenclature and classification in Botany	67
PO2	Understand the impact of the plant diversity in societal and environmental context	67
PO3	Demonstrate the knowledge of, and need for sustainable development	67
PO4	Use interdisciplinary approaches with quantitative skills to work on biological problems	67
PO5	Demonstrate the ability to justify and explain their thinking and/or approach	34
PO6	Develop state-of-the-art laboratory and professional communication skills	67
PO7	Apply the scientific method to design, execute, and analyze an experiment	67
PO8	Explain scientific procedures and their experimental observations	67

IV SEMESTER

Course title	CO ID	CO	%Attainment
Metabolism	CO1	Specify the detail of metabolism of lipids	100
	CO2	Understand the detail of metabolism of carbohydrates	100
	CO3	Deliberate the characteristics of metabolism of proteins	100
	CO4	Understand the detail of metabolism of nucleic acids	100

PO ID	PO	%Attainment
PO1	Identify the taxonomic position of plants using principles and methods of nomenclature and classification in Botany	74
PO2	Understand the impact of the plant diversity in societal and environmental context	75
PO3	Demonstrate the knowledge of, and need for sustainable development	89
PO4	Use interdisciplinary approaches with quantitative skills to work on biological problems	89
PO5	Demonstrate the ability to justify and explain their thinking and/or approach	67
PO6	Develop state-of-the-art laboratory and professional communication skills	67
PO7	Apply the scientific method to design, execute, and analyze an experiment	84
PO8	Explain scientific procedures and their experimental observations	67

V SEMESTER

Course title	CO ID	CO	%Attainment
Food and Nutrition	CO1	Understand the characteristics of energy metabolism	100
	CO2	Specify the characteristics of dietary carbohydrates	100
	CO3	Identify in detail with examples dietary lipid & health	100
	CO4	Understand the characteristics of minerals	100

PO ID	PO	%Attainment
PO1	Identify the taxonomic position of plants using principles and methods of nomenclature and classification in Botany	56
PO2	Understand the impact of the plant diversity in societal and environmental context	67
PO3	Demonstrate the knowledge of, and need for sustainable development	

PO4	Use interdisciplinary approaches with quantitative skills to work on biological problems	34
PO5	Demonstrate the ability to justify and explain their thinking and/or approach	50
PO6	Develop state-of-the-art laboratory and professional communication skills	
PO7	Apply the scientific method to design, execute, and analyze an experiment	50
PO8	Explain scientific procedures and their experimental observations	67

V SEMESTER

Course title	CO ID	CO	%Attainment
Human Physiology and Immunology	CO1	Specify the characteristics of renal physiology and musculoskeletal system	100
	CO2	Learn the detail of reproductive physiology and cardiovascular physiology	100
	CO3	Specify the detail of bone and endocrine system	100
	CO4	Understand the characteristics of Immunoglobulins	100

PO ID	PO	%Attainment
PO1	Identify the taxonomic position of plants using principles and methods of nomenclature and classification in Botany	
PO2	Understand the impact of the plant diversity in societal and environmental context	56
PO3	Demonstrate the knowledge of, and need for sustainable development	67
PO4	Use interdisciplinary approaches with quantitative skills to work on biological problems	34
PO5	Demonstrate the ability to justify and explain their thinking and/or approach	50
PO6	Develop state-of-the-art laboratory and professional communication skills	50
PO7	Apply the scientific method to design, execute, and analyze an experiment	50
PO8	Explain scientific procedures and their experimental observation	45

VI SEMESTER

Course title	CO ID	CO	%Attainment
Molecular Biology, Genetic Engineering And Concepts Of Biostatistics	CO1	Learn the detail of Molecular Biology	100
	CO2	Specify the characteristics of DNA and RNA	100
	CO3	Specify the detail of genetic engineering	100
	CO4	Understand the Concepts Of Biostatistics	100

PO ID	PO	%Attainment
PO1	Identify the taxonomic position of plants using principles and methods of nomenclature and classification in Botany	56
PO2	Understand the impact of the plant diversity in societal and environmental context	67
PO3	Demonstrate the knowledge of, and need for sustainable development	
PO4	Use interdisciplinary approaches with quantitative skills to work on biological problems	34
PO5	Demonstrate the ability to justify and explain their thinking and/or approach	50
PO6	Develop state-of-the-art laboratory and professional communication skills	
PO7	Apply the scientific method to design, execute, and analyze an experiment	50
PO8	Explain scientific procedures and their experimental observations	67

VI SEMESTER

Course title	CO ID	CO	%Attainment
Clinical Biochemistry	CO1	Learn the detail of urine and blood	100
	CO2	Learn in depth of disorders of metabolism	100
	CO3	Specify the detail of haematology	100
	CO4	Understand the liver disease	100

PO ID	PO	%Attainment
PO1	Identify the taxonomic position of plants using principles and methods of nomenclature and classification in Botany	78
PO2	Understand the impact of the plant diversity in societal and environmental context	67
PO3	Demonstrate the knowledge of, and need for sustainable development	78
PO4	Use interdisciplinary approaches with quantitative skills to work on biological problems	78
PO5	Demonstrate the ability to justify and explain their thinking and/or approach	78
PO6	Develop state-of-the-art laboratory and professional communication skills	
PO7	Apply the scientific method to design, execute, and analyze an experiment	78
PO8	Explain scientific procedures and their experimental observations	

1. Direct Assessment:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
Fundamentals Of Chemistry And Molecules Of Life	73.33333	75	88.88889	88.8888 9	66.66 667	66.66 667	83.333 33	66.66 667
PHYSIOLOGY	73.33333	75	88.88889	88.8888 9	66.66 667	66.66 667	83.333 33	66.66 667
Enzymology and Bioenergetics	66.66667	66.6666 7	66.66667	66.6666 7	33.33 333	66.66 667	66.666 67	66.66 667
Metabolism	73.33333	75	88.88889	88.8888 9	66.66 667	66.66 667	83.333 33	66.66 667
Food and Nutrition		55.5555 6	66.66667		33.33 333	50		50
Human Physiology & Immunology		55.5555 6	66.66667	33.3333 3	50	50	50	44.44 444
Molecular Biology, Genetic Engineering And Concepts Of Biostatistics	77.77778	66.6666 7	77.77778	77.7777 8	77.77 778	0	77.777 78	
Clinical Biochemistry	77.77778	66.6666 7	77.77778	77.7777 8	77.77 778	0	77.777 78	
AVERAGE	73.7037	67.0138 9	77.77778	74.6031 8	59.02 778	45.83 334	74.603 17	60.18 519
Av*0.8	58.96296	53.6111 1	62.22222	59.6825 4	47.22 222	36.66 667	59.682 54	48.14 815

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
Fundamentals Of Chemistry And Molecules Of Life						
PHYSIOLOGY						
Enzymology and Bioenergetics						
Metabolism						
Food and Nutrition	66.66667	50				50
Human Physiology & Immunology	66.66667	44.44444	33.33333	33.33333	55.55556	
Molecular Biology, Genetic Engineering And Concepts Of Biostatistics	88.88889	66.66667	66.66667	66.66667	100	
Clinical Biochemistry	88.88889	66.66667	66.66667	66.66667	100	
AVERAGE	77.77778	56.94445	55.55556	55.55556	85.18519	50
Av*0.8	62.22222	45.55556	44.44445	44.44445	68.14815	40

2. Indirect Assessment

Response by	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
Students	100	100	100	66.66	33.33	100	66.66	100
Teachers	100	66.66	33.33	66.66	33.33	100	100	66.66
Average	100	83.33	66.665	66.66	33.33	100	83.33	83.33
Av*0.2	20	16.666	13.333	13.332	6.666	20	16.666	16.666

Response by	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
Students	66.66	100	100	66.66	100	100
Teachers	100	100	66.66	66.66	100	100
Average	83.33	100	83.33	66.66	100	100
Av*0.2	16.666	20	16.666	13.332	20	20

% Attainment

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
Overall PO/PSO attainment = Attainment (Direct)+Attainment (Indirect)	78.96296	70.27711	75.55522	73.01454	53.88822	56.66667	76.34854	64.81415

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO1	PSO2
Overall PO/PSO attainment = Attainment (Direct)+Attainment (Indirect)	78.88822	65.55556	61.11045	57.77645	88.14815	60	78.88822	65.55556

JSS Mahavidyapeetha
JSS College of Arts, Commerce and Science
 Ooty Road, Mysuru – 570 025, Karnataka, India
Outcome Attainments 2018-19

Name of the Department: Botany UG

Programmes offered: B.Sc. (CBZ & BBM) Non CBCS

Programme Outcome for Bachelor of Science in Chemistry, Botany, Zoology

PO/PSO Id/No.	PO/PSO	Overall Attainment
PO1	Identify the taxonomic position of plants using principles and methods of nomenclature and classification in Botany	100
PO2	Understand the impact of the plant diversity in societal and environmental context	100
PO3	Demonstrate the knowledge of, and need for sustainable development	83
PO4	Use interdisciplinary approaches with quantitative skills to work on biological problems	83
PO5	Demonstrate the ability to justify and explain their thinking and/or approach	100
PO6	Develop state-of-the-art laboratory and professional communication skills. Work as a laboratory technician, biochemists or medical scientist	83
PO7	Apply the scientific method to design, execute, and analyze an experiment	100
PO8	Explain scientific procedures and their experimental observations	100

Sl. No.	Course	COID		Attainment
1.	Angiosperm Taxonomy, Economic Botany and Ethnobotany	BME25001	Understand the classification of plant taxonomy	100
		BME25002	Identification of Economic Botany	100
		BME25003	Identification of Ethnobotany	100
2.	Plant Physiology and Ecology	BME25201	Understand the details of photosynthesis, respiration	98.8

		BME25202	Specify the classification and characteristics of enzyme	100
		BME25203	Understand the details of Plant ecology	96.5
3.	Cell biology genetics and evolution	BMF25001	Understand the details of Plant cell organelles.	100
		BMF25002	Learn in depth Genetics	100
		BMF25003	Understand in depth Evolution	100
4.	Molecular Biology And Genetic Engineering, Plant biotechnology, Plant propagation and plant breeding	BMF25201	Learn the details of concept of gene and replication.	100
		BMF25202	Understand in depth transcription and translation.	100
		BMF25203	Specify in depth enzymes in genetic engineering and cloning vectors.	100

**Programme Outcome for Bachelor of Science in Botany, Biochemistry & Microbiology
CO attainment 2018-19**

Sl. No.	Course	COID		Attainment
1.	Angiosperm Taxonomy, Economic Botany and Ethnobotany	BME25001	Understand the classification of plant taxonomy	100
		BME25002	Identification of Economic Botany	100
		BME25003	Identification of Ethnobotany	100
2.	Plant Physiology and Ecology	BME25201	Understand the details of photosynthesis, respiration	98.8
		BME25202	Specify the classification and characteristics of enzyme	100
		BME25203	Understand the details of Plant ecology	96.5

3.	Cell biology genetics and evolution	BMF25001	Understand the details of Plant cell organelles.	100
		BMF25002	Learn in depth Genetics	100
		BMF25003	Understand in depth Evolution	100
4.	Molecular Biology And Genetic Engineering, Plant biotechnology, Plant propagation and plant breeding	BMF25201	Learn the details of concept of gene and replication.	100
		BMF25202	Understand in depth transcription and translation.	100
		BMF25203	Specify in depth enzymes in genetic engineering and cloning vectors.	100

JSS Mahavidyapeetha
JSS College of Arts, Commerce and Science
 Ooty Road, Mysuru

Department: ECONOMICS

Programme Name: BA

Programme Code: 31

Session/Year 2018-2019

List of POs & PSOs

POID	PO Statement	% Attainment
PO1	Critically recognizes the social, political, economic and cultural aspects of History	73.3
PO2	Demonstrate thinking skills by analysing and Evaluating relation to their cultural and historical context	86.6
PO3	Develop an informed familiarity with multiple cultures	79.9
PO4	Correctly extracts evidence from primary sources	86.6
PO5	Demonstrate critical reading, writing and thinking skills	79.9

Course Title: Principles of Micro Economics –1 (1st sem)

Course Code: ELA21021/22/26/23/24

Name of Course In-charge/Coordinator: Sadashivamurthy D

CO ID	CO Statement	% Attainment
CO1	Understand in details with examples Concepts of Micro and Macro Economics	90.90
CO2	Deliberate in depth laws of Demand	100
CO3	Understand in depth laws of utility.	100
CO4	Learn in details with examples meaning and properties of indifference curve	100
CO5	Deliberate in depth cost and revenue concepts	100

Course Title: Principles of Micro Economics –11 (2nd sem)

Course Code: ELB21021/22/26/23/24

Name of Course In-charge/Coordinator: Sadashivamurthy D

CO ID	CO Statement	% Attainment
CO1	Learn in depth types of Imperfect Competition	90.9090
CO2	Deliberate the Characteristics of price Discrimination.	90.9090
CO3	Identify the classification and characteristics of Kinked Demand Curve	90.9090
CO4	Identify in details with examples Merits and Public Goods	90.9090
CO5	Write down the classification and characteristics of general Equilibrium of Exchange and Production	90.9090

Course Title: Principles of Macro Economics –1 (3RD sem)

Course Code: ELC21021/22/26/23/24

Name of Course In-charge/Coordinator: Sadashivamurthy D S

List of COs

CO ID	CO Statement	% Attainment
CO1	Identify in with examples key variables of Macro Economics	85.1851
CO2	Understand in details with examples Concepts of National Income	74.074
CO3	Identify in depth Marginal Efficiency of Capital	74.074
CO4	Specify the details of concepts of Multiplier	74.074
CO5	Identify the Characteristics of Keynesian Macro Economics	74.074

Course Title: Principles of Macro Economics –11 (4th sem)

Course Code: ELD21021/22/26/23/24

Name of Course In-charge/Coordinator: RATHNAMMA N

List of COs

CO ID	CO Statement	% Attainment
CO1	Specify in details with examples IS-LM Analysis	77.77
CO2	Learn in-depth supply-side Economics	74.074
CO3	Identify the details of Rational Expectation	74.074
CO4	Identify the details with examples of concepts if Inflation	74.074
CO5	Learn the classification and characteristics of Balance of Trade	74.074

JSS Mahavidyapeetha
JSS College of Arts, Commerce and Science
 Ooty Road, Mysuru

Department: Microbiology

Programme Name: B.Sc(BMBt & BBM)

Programme Code: BSc06 & BSc07

Session/Year: 2018-19

List of POs & PSOs

POID	PO Statement	%Attainment (Overall)
PO1	Demonstrate the ability to justify and explain their thinking and/or approach, both written and oral. Demonstrate the ability to present clear, logical and succinct arguments, including prose and mathematical language. Write and speak using professional norms, and demonstrate an ability to collaborate effectively.	55.1
PO2	Develop state-of-the-art laboratory skills and professional communication skills.	43.3
PO3	Apply the scientific method to design, execute, and analyze an experiment and also to explain their scientific procedures as well as their experimental observations.	46.3
PO4	Demonstrate an understanding of fundamental biochemical principles, structure and biological function of biomolecules, metabolic pathways and their regulation.	43
PO5	Work as a laboratory technician, biochemists or medical scientist	43
PO6	Possess knowledge of ethical practices in science.	56.4
PO7	Describe/ explain the processes used by microorganisms for their replication, survival, and interaction with their environment and host populations.	72
PO8	Explain the theoretical basis of the tools, technologies and methods common to microbiology.	63.5
PO9	Apply the scientific method as a demonstration that they understand its application furthering our knowledge of the microbial world.	55.1
PO10	Design and develop solution to Biotechnology problems by applying appropriate tools while keeping in mind safety factor for environmental & society.	83.5
PO11	Create, select, and apply appropriate techniques, resources, and modern tools including prediction and modelling to different activities with an understanding of the limitations.	82
PO12	Support biotechnology research activity with strong technical background knowledge.	81.6

Course Title: Introduction to Microbiology and Microbial diversity

Course Code:CMA28006 & 28007

Name of Course In-charge/Coordinator: Dr.M.Seema

List of COs

CO ID	CO Statement	%Attainment
CO1	Gain basic knowledge about Microbiology starting from history to Microorganisms.	57.5
CO2	An entire picture about the taxonomical classification of Microbes.	54.33
CO3	Understand the basic microbial structure, function and study of the comparative characteristics of prokaryotes and eukaryotes	36.66
CO4	Understand the structural similarities and differences among various physiological groups of fungi, protozoa and algae.	54.16
CO5	Know how viruses are classified and understand the structure of viruses.	36.66

Course Title: BACTERIOLOGY

Course Code:CMB28006 &28007

Name of Course In-charge/Coordinator: Dr.H.P.Spoorthy

List of COs

CO ID	CO Statement	%Attainment
CO1	Bacteria, microscopes and basic laboratory techniques.	35.23
CO2	Demonstrate theory and practical skills in microscopy, their handling techniques and staining procedures.	24.58
CO3	Various Culture media and their applications and also understand various physical and chemical means of sterilization.	18.54
CO4	Know about microbial techniques for isolation of pure cultures of bacteria. staining and cultural characteristics & maintenance and preservation of cultures	53.33

Course Title: MICROBIAL PHYSIOLOGY AND METABOLISM

Course Code: CMC28006 & 28007

Name of Course In-charge/Coordinator: Dr.H.P.Spoorthy

List of Cos

CO ID	CO Statement	%Attainment
CO1	Inculcate the knowledge regarding microbial growth, functions, physiology and metabolism.	55.35
CO2	Understand the microbial transport systems and microbial metabolism	33.57
CO3	Know the microbial growth in response to environmental factors.	38.39
CO4	Get equipped with various methods of bacterial growth measurement	50
CO5	Knowledge of properties, structure, function of enzymes, enzyme kinetics and their regulation	21.17

Course Title: MICROBIAL GENETICS AND GENETIC ENGINEERING**Course Code: CMD28006 & 28007****Name of Course In-charge/Coordinator: Dr. M.Seema****List of COs**

CO ID	CO Statement	%Attainment
CO1	Genetics of microorganisms and also about recombinant DNA technology used in microbiological research	42.71
CO2	Understand about techniques in genetic engineering	65.69
CO3	Social and ethical issues concerning genetic engineering	57.55
CO4	Applications of genetic engineering in various fields	42.86

Course Title: ENVIRONMENTAL SCIENCE**Course Code: CME28006 & 28007****Name of Course In-charge/Coordinator: Dr.H.P.Spoorthy****List of Cos**

CO ID	CO Statement	%Attainment
CO1	The role of microorganisms in soil, air, water, waste water and bioremediation.	79.08
CO2	Know about the diversity of microorganism and microbial communities inhabiting a wide range of ecological habitats.	66.12
CO3	Learn the occurrence, abundance and distribution of microorganisms in the environment and their role in the environment	54.4
CO4	Understand various biogeochemical cycles – Carbon, Nitrogen, Phosphorus cycles etc. and microbes involved in these cycles.	73.46
CO5	Understand various plant microbes interactions especially rhizosphere, phyllosphere and mycorrhizae and their applications especially the biofertilizers and their mass production.	84.69
CO6	The various methods to determine the Sanitary quality of water and sewage Treatment methods employed in waste water treatment	52.76

Course Title: SOIL AND AGRICULTURAL MICROBIOLOGY**Course Code: CME28206 & 28207****Name of Course In-charge/Coordinator: Dr.M.Seema****List of Cos**

CO ID	CO Statement	%Attainment
CO1	Microorganisms in agriculture, plant pathology and control of plant diseases	83
CO2	and their significance	67.3
CO3	Understand the land mark in the field of Agricultural microbiology.	65
CO4	Gain knowledge about biofertilizers and biopesticide in agriculture.	72.6
CO5	Know about principles and practices involved in the management of plant diseases by different methods	63
CO6	Understand the important plant diseases caused by phytoplasma, viruses and viroids. Bacteria and fungi	63.6

Course title: FOOD AND INDUSTRIAL MICROBIOLOGY

Course Code: CMF28006 & 28007

Name of Course In-charge/Coordinator: Dr.H.P.Spoorthy

List of Cos

CO ID	CO Statement	%Attainment
CO1	Food related microorganisms, their contamination, spoilage and preservation	79.08
CO2	Understand the beneficial role of microorganisms in fermented dairy products	82.44
CO3	Know the significance and activities of microorganisms in food	62.92
CO4	Understand the food borne intoxication and infections	64.43
CO5	Learn about food safety and quality control. Know the principles involving various methods of food preservation. Understand how microbiology is applied in manufacture of industrial products	59.94

Course Title: IMMUNOLOGY AND MEDICAL MICROBIOLOGY

Course Code: CMF28206 & 28207

Name of Course In-charge/Coordinator: Dr.M.Seema

List of Cos

CO ID	CO Statement	%Attainment
CO1	The human immune response towards microbes in medical microbiology, knowledge is gained about the relationship between microorganism and human disease, pathogenicity, Laboratory diagnosis, treatment and prophylaxis.	79.08
CO2	Demonstrate an understanding of key concepts in immunology.	82.44
CO3	Understand the overall organization of the immune system.	62.92
CO4	To make them understand the salient features of antigen antibody reaction & its uses in diagnostics and various other studies.	64.43
CO5	Learn about immunization and their preparation and its importance	59.94

JSS Mahavidyapeetha
JSS College of Arts, Commerce and Science (Autonomous)
Ooty Road, Mysuru - 570025
Outcome Attainments 2018-19

Department: **KANNADA**

Programme: **BA**

Programmer Name: NATARAJU

PO Attainment

Programme Code: **BA23**

POID	PO	80 % Attainment	20 % Attainment	OVERALL ATTAINMENT
BA231	LANGUAGE & LITERATURE KNOWLEDGE OF CULTURAL	41.833%	12.832%	56.665%
BA232	GAIN THE KNOWLEDGE OF CLASSICAL, MEDIEVAL & MODERN KANNADA LITERATURE	46.110%	17.916%	63.193%
BA233	GAIN LANGUAGE SKILLS IN READING & WRITING	38.332%	16.666%	54.998%
BA234	GAIN KNOWLEDGE OF CONTEMPORARY PREVAILINGS	41.388%	14.166%	55.971%
BA235	AWARENESS OF SOCIO- RELIGIOUS, POLITICAL & GEOGRAPHICAL BACKGROUND OF KANNADA	44.166%	18.333%	62.082%
BA236	LANGUAGE & LITERATURE KNOWLEDGE OF CULTURAL RICHNESS OF KANNADA	43.333%	17.082%	58.332%
BA237	BECOME A CREATIVE WRITER BY STUDYING KANNADA LITERATURE	37.221%	14.582%	50.138%

JSS Mahavidyapeetha
JSS College of Arts, Commerce and Science
 Ooty Road, Mysuru

Department: COMMERCE AND MANAGEMENT

Programme Name: B.COM

Programme Code:

Session/Year 2018-19

List of POs & PSOs

POID	PO Statement – On successful completion of this Programme, students will be enable to work in ;
PO1	Industries and Multinational Companies
PO2	Banking Sectors and Insurance Companies
PO3	Financing and Leasing Companies
P04	Transport Agencies and Warehousing
P05	Stock Markets and Foreign Trade

Course Title: Financial Accounting

Course Code: ENA 210

Name of Course In-charge/Coordinator: Nagashree N

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;	%Attainment (Overall)	
CO1	Understand the theoretical framework of accounting as well accounting standards.	100	
CO2	Understand the accounting treatment for royalty transactions & articulate the Royalty agreements.		95
CO3	Demonstrate the preparation of financial statement of manufacturing and nonmanufacturing entities of sole proprietors.	89	
CO4	Exercise the accounting treatments for consignment transactions & events in the books of consignor and consignee.	76	
Or as designe d in the curricu lum			

Course Title: Business Organisation and Management
Name of Course In-charge/Coordinator: Yashaswini S

Course Code: ENA 220

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;	%Attainment (Overall)
CO1	Design and demonstrate the strategic plan for the attainment of organisational goals.	100
CO2	Differentiate the different types of authority and chose the best one in the present context.	86
CO3	Compare and chose the different types of motivation factors and leadership styles.	80
CO4	Choose the best controlling techniques for better productivity of an organisation	90
Or as designed in the curriculum		

Course Title: Principles of Marketing

Course Code: ENA 230

Name of Course In-charge/Coordinator: Navyashree M B

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;	%Attainment (Overall)
CO1	Analyse the consumer behaviour in the present scenario and marketing segmentation.	98
CO2	Discover the new product development & identify the factors affecting the price of a product in the present context.	92
CO3	Judge the impact of promotional techniques on the customers & importance of channels of distribution.	100
CO4	Outline the recent developments in the field of marketing	95
Or as designed in the curriculum		

Course Title: Cost Accounting

Course Code: ENA 210

Name of Course In-charge/Coordinator: Pushpa CSV

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;	%Attainment (Overall)
CO1	Understand concepts of cost accounting & Methods of Costing.	100
CO2	Outline the Procedure and documentations involved in procurement of materials& compute the valuation of Inventory.	95
CO3	Make use of payroll procedures & compute idle and over time.	95
CO4	Prepare cost sheet & discuss cost allocation under ABC.	97
Or as designed in the curriculum		

Course Title: Banking and Insurance

Course Code: END 210

Name of Course In-charge/Coordinator: Sreelalitha K G

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;	%Attainment (Overall)
CO1	Students will understand the conceptual frame work of Banking, classification of Banking.	100
CO2	Students will understand the banker and customer relationship	95
CO3	Students will understand the E-Banking services.	95
CO4	Enable the student to understand banking regulations Act.	100
Or as designed in the curriculum		

Course Title: Business Statistics

Course Code: END 240

Name of Course In-charge/Coordinator: Savitha R

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;	%Attainment (Overall)
CO1	Familiarizes statistical data and descriptive statistics for business decision- making.	90
CO2	Comprehend the measures of variation and measures of skewness.	100
CO3	Demonstrate the use of probability and probability distributions in business.	97
CO4	Validate the application of correlation and regression in business decisions	95
Or as designed in the curriculum		

Course Title: Business Research Methods

Course Code: ENE 260

Name of Course In-charge/Coordinator: Dr. S Shankarappa

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;	%Attainment (Overall)
CO1	Learn in depth different methods of research, methodology, data collection, analysis	94
CO2	Understand the details of types of Business Research and Research design	97
CO3	Identify and contribute to the discipline of commerce and management through the Research	100
CO4	Deliberate the details of Data analysis	95
Or as designed in the curriculum		

Course Title: Entrepreneurship Development
Name of Course In-charge/Coordinator: Nagashree N

Course Code: ENF 210

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;	%Attainment (Overall)
CO1	Specify in details with application, if applicable, easily access different financial	97
CO2	Identify in detail with examples to easily different financial schemes offered by Banks and Government Agencies	90
CO3	Understand in depth and identify the social responsibility of an entrepreneur towards different sectors	100
CO4	Learn in depth the Self employment opportunities	95
Or as designed in the curriculum		

Course Title: IFRS (IND - AS)
Name of Course In-charge/Coordinator: Asha L

Course Code: ENF 220

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;	%Attainment (Overall)
CO1	Learn in detail with examples Accounting for assets and liabilities	96
CO2	Understand the details of IND AS in relation to accounting for Revenue and Expenses	100
CO3	Learn in detail with examples IND AS on business combination	97
CO4	Deliberate the characteristics of IFRS	90
Or as designed in the curriculum		

Course Title: Goods and Services Tax

Course Code: ENF 300

Name of Course In-charge/Coordinator: Pushpa CSV

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;	%Attainment (Overall)
CO1	Learn in details provisions of GST to handle TDS and POS online	98
CO2	Understand the provisions of integrated goods and service Tax Act, 2017	90
CO3	Understand the technology and flow of return filing under GST	97
CO4	Learn in details and gain knowledge to practice as GST Consultant	95
Or as designed in the curriculum		

Course Title: Financial Management -I

Course Code: ENF 310

Name of Course In-charge/Coordinator: Navyashree M B

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;	%Attainment (Overall)
CO1	Identify the details of various sources of finance	96
CO2	Identify the characteristics of capital structure and factors affecting the capital Structure	100
CO3	Learn the characteristics of different methods of time value of money and its structure	95
CO4	Learn the details of Capital Budgeting	98
Or as designed in the curriculum		

Course Title: Principles and Practice of Auditing
Name of Course In-charge/Coordinator: Mamtha M

Course Code: ENF 210

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;	%Attainment (Overall)
CO1	Learn the characteristics of errors and frauds and minimize them in maintenance of books of accounts	95
CO2	Identify the details of audit planning	90
CO3	Learn in depth verification and valuation of Assets and Liabilities	94
CO4	Deliberate in details with examples audit of different types of organizations	96
Or as designed in the curriculum		

Course Title: Business Law
Name of Course In-charge/Coordinator: Nagashree N

Course Code: ENF 220

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;	%Attainment (Overall)
CO1	Understand the characteristics of legal environment and practice business ethics	90
CO2	Learn in depth and apply the basic legal knowledge to business enterprises	94
CO3	Identify and appointed as member of various commerce and legal boards / committee	95
CO4	Specify the details of Information technologies Act	98
Or as designed in the curriculum		

Course Title: Financial Management - II
Name of Course In-charge/Coordinator: Nagashree N

Course Code: ENF 310

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;	%Attainment (Overall)
CO1	Deliberate the details of working capital management	100
CO2	Understand the details of working capital financing	95
CO3	Deliberate in details with examples Venture capital financing	98
CO4	Learn in depth the details of shareholders value creation	90
Or as designed in the curriculum		

Course Title: Advanced Cost and management Accounting
Name of Course In-charge/Coordinator: Nagashree N

Course Code: ENF 320

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;	%Attainment (Overall)
CO1	Understand the details of management accounting	92
CO2	Learn in depth the details of financial statement analysis techniques	95
CO3	Analyze the inflow and outflow of cash and able to prepare cash flow statement	94
CO4	Understand the characteristics of different types of ratios	90
Or as designed in the curriculum		

JSS Mahavidyapeetha
JSS College of Arts, Commerce and Science
Ooty Road, Mysuru

Department: COMMERCE AND MANAGEMENT

Programme Name: BBA

Programme Code:

Session/Year 2018-19

List of POs & PSOs

POID	PO Statement – On successful completion of this Programme, students will be able to work in ;
PO1	Financial Analysts, Tax consultants, Tax Practitioners and Investment consultants
PO2	Financial and management accountants
PO3	Marketing Manager, Store manager, Purchase Manager and Sales Manager
P04	Human Resources Manager, Counsellor
P05	Retail Manager, Middle men and Customer relation manager

Course Title: Business Organisation and Management

Course Code: CBA 410

Name of Course In-charge/Coordinator: Yashaswini S

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;	%Attainment (Overall)
CO1	Design and demonstrate the strategic plan for the attainment of organisational goals.	100
CO2	Differentiate the different types of authority and chose the best one in the present context.	86
CO3	Compare and chose the different types of motivation factors and leadership styles.	80
CO4	Choose the best controlling techniques for better productivity of an organisation	90
Or as designed in the curriculum		

Course Title: Financial Accounting

Course Code: CDA 420

Name of Course In-charge/Coordinator: Nagashree N

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;	%Attainment (Overall)
CO1	Understand the theoretical framework of accounting as well accounting standards.	100
CO2	Understand the accounting treatment for royalty transactions & articulate the Royalty agreements.	95
CO3	Demonstrate the preparation of financial statement of manufacturing and nonmanufacturing entities of sole proprietors.	89
CO4	Exercise the accounting treatments for consignment transactions & events in the books of consignor and consignee.	76
Or as designed in the curriculum		

Course Title: Marketing Management

Course Code: CDA 430

Name of Course In-charge/Coordinator: Yashaswini S

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;	%Attainment (Overall)
CO1	Understand the concepts and functions of marketing.	92
CO2	Analyse marketing environment impacting the business.	89
CO3	Segment the market and understand the consumer behaviour	87
CO4	Enable students learn to media decision	69
Or as designed in the curriculum		

Course Title: Human Resource Management

Course Code: CDB 420

Name of Course In-charge/Coordinator: Sreelalitha K G

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;	%Attainment (Overall)
CO1	Ability to describe the role and responsibility of Human resources management functions on business	86
CO2	Ability to describe HRP, Recruitment and Selection process	85
CO3	Ability to describe to induction, training, and compensation aspects.	88
CO4	Ability to explain performance appraisal and its process.	93
Or as designed in the curriculum		

Course Title: Business Environment

Course Code: CDB 430

Name of Course In-charge/Coordinator: Yamunashree V

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;	%Attainment (Overall)
CO1	An Understanding of components of business environment.	86
CO2	Ability to analyse the environmental factors influencing business organisation.	85
CO3	Ability to demonstrate Competitive structure analysis for select industry	88
CO4	Ability to explain the impact of fiscal policy and monetary policy on business.	93
Or as designed in the curriculum		

Course Title: Financial management

Course Code: CDB 410

Name of Course In-charge/Coordinator: Pushpa CSV

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;	%Attainment (Overall)
CO1	The ability to understand the process of public issue of shares and accounting for the same	85
CO2	The ability to prepare final accounts of joint stock companies.	96
CO3	The ability to prepare and evaluate vertical and horizontal analysis of financial statements	93
CO4	The ability to understand the process of public issue of shares and accounting for the same	92
Or as designed in the curriculum		

Course Title: Cost and management Accounting

Course Code: CDC410

Name of Course In-charge/Coordinator: Savitha R

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;	%Attainment (Overall)
CO1	The ability to understand company's annual reports.	85
CO2	Understand the elements of costing and preparation of cost sheet	87
CO3	The ability to prepare material requisitions and management of store.	88
CO4	The ability to compare and contrast labour cost techniques.	98
Or as designed in the curriculum		

Course Title: Organisational Behaviour

Course Code: CDC 420

Name of Course In-charge/Coordinator: Pramod H M

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;	%Attainment (Overall)
CO1	Ability to reconcile the cost.	84
CO2	To recall role of OB in business organization.	85
CO3	Able to understand group dynamics in an organization.	92
CO4	Able to understand the change management	95
Or as designed in the curriculum		

Course Title: Statistics for Business Decisions

Course Code: CDC 430

Name of Course In-charge/Coordinator: Nagarathna S

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;	%Attainment (Overall)
CO1	To understand the requirements of statistical framework	77
CO2	To construct and visualize the data.	90
CO3	To determine the data adequacy for analysis.	92
CO4	To Review the data by using various tools.	89
Or as designed in the curriculum		

Course Title: Management Accounting

Course Code: CDD 410

Name of Course In-charge/Coordinator: Ramesh K

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;	%Attainment (Overall)
CO1	Able to understand the concept of Management Accounting.	84
CO2	To Understand and recall ratios and apply the same on given case.	85
CO3	To construct cash flow statement	92
CO4	Should be able to apply Marginal cost ratios to make business decisions.	95
Or as designed in the curriculum		

Course Title: Financial Management

Course Code: CDD 430

Name of Course In-charge/Coordinator: Ramesh K

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;	%Attainment (Overall)
CO1	Able to Summarize the concept of stock market	76
CO2	To identify the goals of financial management.	100
CO3	To appraise the concepts of time value of money.	92
CO4	To understand the different models of dividend policy.	98
Or as designed in the curriculum		

Course Title: Entrepreneurship Development

Course Code: CDF 210

Name of Course In-charge/Coordinator: Pramod H M

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;	%Attainment (Overall)
CO1	Learn in depth qualities of an entrepreneur and able to become an entrepreneur	89
CO2	Write down the details of financial schemes offered by banks and government agencies and able to access them easily	97
CO3	Learn the details of mobilization of resources	99
CO4	Learn in depth the characteristics of customer and able to identify the customer	100
Or as designed in the curriculum		

Course Title: Human Resource Management - I

Course Code: ENA 220

Name of Course In-charge/Coordinator: Mamtha M

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;	%Attainment (Overall)
CO1	Understand and identify the objectives, principles, factors influencing wage and salary Administration	88
CO2	Understand the concept of wage policy in India	100
CO3	Learn in depth the objectives of fringe benefits.	95
CO4	Learn in depth the Methods of performance appraisal	87

Course Title: Financial Management -I

Course Code: CDF 284

Name of Course In-charge/Coordinator: Pushpa CSV

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;	%Attainment (Overall)
CO1	Understand and identify the features, importance, contribution of financial service in promoting industry and service	93
CO2	Understand the concept of money market and capital market.	94
CO3	Learn in depth the Scope of merchant banking services	100
CO4	Learn in depth the growth of merchant banking in India	88
Or as designed in the curriculum		

Course Title: Human Resource Management-II

Course Code: CDF 276

Name of Course In-charge/Coordinator: Sreelalitha K G

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;	%Attainment (Overall)
CO1	Understand and identify conditions necessary for employee empowerment	95
CO2	Understand the concept of Quality circles	96
CO3	Learn in depth the types of social Security	100
CO4	Understand and identify the measures to strengthen trade Union movement in India	85
Or as designed in the curriculum		

Course Title: Financial Management- II

Course Code: CDF 286

Name of Course In-charge/Coordinator: Yashaswini S

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;	%Attainment (Overall)
CO1	Understand the concept of Portfolio Management Process- Approaches to Investment Decision making Portfolio Management Process- Approaches to Investment Decision making	90
CO2	Understand the concept of Risk and Return	100
CO3	Understand and identify the features, importance, contribution of financial service in promoting industry and service	100
CO4	Understand the concept of Portfolio Return and Risk-Measurement	100
Or as designed in the curriculum		

JSS Mahavidyapeetha
JSS College of Arts, Commerce and Science
 Ooty Road, Mysuru

Department: Computer Science

Programme Name: BCA

Session/Year I sem 18/19

List of POs & PSOs

PO/PSO ID	PO/PSO	%Attainment
PO1	Get expected skills to be placed in IT sector and self-employment.	86.67
PO2	To develop abilities for data analysis and interpretation using ICT.	82.67
PO3	Acquire comprehensive knowledge with equal emphasis on theory and practice.	82.67
PO4	Analyze and apply latest technologies to solve problems in the areas of computer applications.	87.00
PO5	Develop the basic programming skills to enable students to build Utility tools.	76.67
PO6	Get the foundation knowledge for higher studies in the field of Computer Application.	70.00
PO7	Analyze and synthesis computing systems through quantitative and qualitative techniques	95.00
PO8	Develop practical skills to provide solutions to industry, society and business.	70.00
PO9	Work effectively both as an individual and a team leader on multidisciplinary projects.	#DIV/0!
PO10	Improves communication skills so that they can effectively present technical information in oral and written reports	83.33
PSO01	Knowledge of contemporary and emerging issues in computer science	70.33
PSO02	Ability to identify, critically analyse, formulate and develop computer application	79.67
PSO03	Learn techniques, skills and modern hardware and software tools necessary for innovative software solutions	72.33
PSO04	Devise and conduct experiments, interpret data and provide well informed conclusions.	67.33
PSO05	Information about computer, technology, organization and management.	71.00
PSO06	Know various computer applications and latest development in IT and communication system.	20.00
PSO07	Act as software programmer, system and Database administrator, web designer, faculty for computer science and computer applications.	15.00
PSO08	Design and conduct experiments, analyze and interpret data.	18.33

*Average from all the courses.

After converting direct attainment to 80% and indirect attainment to 20%, give overall attainment as summation of the above.

Send the sample filled in survey forms for indirect assessment.

Course Title: Java

Name of Course In-charge/Coordinator:

List of COs

CO ID	CO Statement	%Attainment
CO1	Deliberate the details of computer system	100
CO2	Learn the classification and characteristics of computer system	100
CO3	Understand in details with examples software	100
CO4	Identify the characteristics of devices	100
CO5	Learn the classification and characteristics of software	100
CO6	Understand the classification and characteristics of Memory units	100
Or as designed in the curriculum		

JSS Mahavidyapeetha

JSS College of Arts, Commerce and Science

Ooty Road, Mysuru

Department: Computer Science

Programme Name: BCA

Session/Year I sem 18/19

List of POs & PSOs

PO/PSO ID	PO/PSO	%Attainment
PO1	Get expected skills to be placed in IT sector and self-employment.	86.67
PO2	To develop abilities for data analysis and interpretation using ICT.	82.67
PO3	Acquire comprehensive knowledge with equal emphasis on theory and practice.	82.67
PO4	Analyze and apply latest technologies to solve problems in the areas of computer applications.	87.00
PO5	Develop the basic programming skills to enable students to build Utility tools.	76.67

PO6	Get the foundation knowledge for higher studies in the field of Computer Application.	70.00
PO7	Analyze and synthesis computing systems through quantitative and qualitative techniques	95.00
PO8	Develop practical skills to provide solutions to industry, society and business.	70.00
PO9	Work effectively both as an individual and a team leader on multidisciplinary projects.	#DIV/0!
PO10	Improves communication skills so that they can effectively present technical information in oral and written reports	83.33
PSO01	Knowledge of contemporary and emerging issues in computer science	70.33
PSO02	Ability to identify, critically analyse, formulate and develop computer application	79.67
PSO03	Learn techniques, skills and modern hardware and software tools necessary for innovative software solutions	72.33
PSO04	Devise and conduct experiments, interpret data and provide well informed conclusions.	67.33
PSO05	Information about computer, technology, organization and management.	71.00
PSO06	Know various computer applications and latest development in IT and communication system.	20.00
PSO07	Act as software programmer, system and Database administrator, web designer, faculty for computer science and computer applications.	15.00
PSO08	Design and conduct experiments, analyze and interpret data.	18.33

*Average from all the courses.

After converting direct attainment to 80% and indirect attainment to 20%, give overall attainment as summation of the above.

Send the sample filled in survey forms for indirect assessment.

Course Title: Object Oriented Programming IN C++

Name of Course In-charge/Coordinator:

List of COs

CO ID	CO Statement	%Attainment
CO1	Deliberate the details of computer system	100
CO2	Learn the classification and characteristics of computer system	100
CO3	Understand in details with examples software	100
CO4	Identify the characteristics of devices	100

CO5	Learn the classification and characteristics of software	100
CO6	Understand the classification and characteristics of Memory units	100
Or as designed in the curriculum		

JSS Mahavidyapeetha
JSS College of Arts, Commerce and Science
 Ooty Road, Mysuru

Department: BIOTECHNOLOGY (UG)

Programme Name: BSc

Programme Code: BSC05/BCS06

Session/Year:2018-19

List of POs & PSOs

POID	PO Statement	%Attainment (Overall)*
PO1	Develop state-of-the-art laboratory skills and professional communication skills.	89.6
PO2	Apply the scientific method to design, execute, and analyse an experiment.	97.8
PO3	Explain the theoretical basis of the tools, technologies and methods common in Life science.	88.5
PO4	Design and develop solution to biotechnology problems by applying appropriate tools while keeping in mind safety for environment and society.	78.6
PSO1	Apply appropriate techniques for the qualitative and quantitative analysis of chemicals in laboratories and in industries	92.3
PSO2	Demonstrate effectively the applications of biochemical and biological sciences.	100
PSO3	Know and apply appropriate tools and techniques in biotechnological manipulation	91
PSO4	Understand his or her responsibilities in biotechnological practices.	81.2

Course Title: BIOMOLECULES

Course Code:CMA230

Name of Course In-charge: Bhavya K N/Shilpa S/Uma S

List of COs

CO ID	CO Statement	%Attainment
CO1	Understand the Structure, properties and biological importance of carbohydrates.	78.8
CO2	Comphrend the Structure, properties and functions of amino acids.	71.1
CO3	Understand the Structure, properties and biological importance of lipids and nucleic acids.	75.0
CO4	Comphrend the mechanism of multi –enzyme complex.	68.8

Course Title: Enzymology& BIO-ANALYTICAL TECHNIQUES

Course Code:CMB220

Name of Course In-charge: Bhavya K N/Shilpa S/Uma S

List of COs

CO ID	CO Statement	%Attainment
CO1	Understand the properties, mechanisms and biological importance of Bio-molecules.	88.6
CO2	Comphrend the mechanism of enzyme action, factors affecting it and its applications.	73.5
CO3	Understand and able to relate the principles underlying various instruments in the field of Biology.	78.8
CO4	Compare and contrast the role of bio -molecules and enzymes.	62.8

Course Title: CELL BIOLOGY & GENETICS

Course Code:CMC220

Name of Course In-charge: Bhavya K N/Shilpa S/Uma S

List of COs

CO ID	CO Statement	%Attainment
CO1	Develop an understanding of the structure and functions of organelles.	95.4
CO2	Understand the structure of chromosomes, types, cell differentiation and features of cancer cells.	92.3
CO3	Gain comprehensive understanding of the chemical basis of heredity and methods.	100
CO4	Understand effect of mutation, mechanism and Chromosomal Aberrations.	100

Course Title: MOLECULAR BIOLOGY &GENETIC ENGINEERING

Course Code:CMD220

Name of Course In-charge: Bhavya K N/Shilpa S/Uma S

List of COs

CO ID	CO Statement	%Attainment
CO1	Display a broad understanding of core molecular Biology.	91.8
CO2	Discuss and differentiate the process of Transcription and Translation	98.5
CO3	Explain key concepts of genome organization and manipulation.	97.8
CO4	Demonstrate working knowledge in a defined skill set of molecular biology and biotechnologyprotocols.	95.4

Course Title: Microbial technology and agricultural biotechnology

Course Code: CME230

Name of Course In-charge: Bhavya K N/Shilpa S/Uma S

List of COs

CO ID	CO Statement	%Attainment
CO1	Develop skills associated with screening of Industrially Important Strains.	82.6
CO2	Understand principles underlying design of Fermentor, Fermentation Process and downstream processing	65.9
CO3	Discuss the various aspects for the improvement of crop plants.	97.8
CO4	Understand the application of r-DNA technology to enhance the production of crop plant	74.4

Course Title: PLANT TISSUE & ANIMAL CELL CULTURE

Course Code: CME232

Name of Course In-charge: Bhavya K N/Shilpa S/Uma S

List of COs

CO ID	CO Statement	%Attainment
CO1	Develop concept of plant tissue and animal cell culture techniques and their application in biotechnology.	70.2
CO2	Comprehend the knowledge of transgenic plants in industrial and agricultural applications.	97.8
CO3	Establish and maintain various cell lines used in tissue culture.	95.7
CO4	Understand the application of animal cell culture in biopharmaceutical industry.	74.4

Course Title: IMMUNOLOGY & MEDICAL BIOTECHNOLOGY

Course Code: CMF230

Name of Course In-charge: Bhavya K N/Shilpa S/Uma S

List of COs

CO ID	CO Statement	%Attainment
CO1	Understand the role of different types of Cells in immune system .	89.6
CO2	Discuss the principles and applications of immunological techniques.	97.8
CO3	Understand to diagnose diseases.	89.5
CO4	Comprehend the knowledge of therapeutic applications of enzyme and hormone.	78.6

Course Title: ENVIRONMENTAL BIOTECHNOLOGY, BIOSTATISTICS & Bioinformatics

Course Code:CMF232

Name of Course In-charge: Bhavya K N/Shilpa S/Uma S

List of COs

CO ID	CO Statement	%Attainment
CO1	Gain an understanding of the causes, types and control methods for Environmental Pollution.	89.6
CO2	Differentiate the application of different life forms in Environmental Remediation.	93.4
CO3	Apply Statistical Tools for Analysis of Biological Data.	95
CO4	Comprehend the knowledge of bio-informatics	87.8

Department: BIOTECHNOLOGY (UG)

Programme Name: BSc

Programme Code: BSC05/BSC06

Session/Year: 2019-20

List of POs & PSOs

POID	PO Statement	%Attainment
PO1	Develop state-of-the-art laboratory skills and professional communication skills.	86.2
PO2	Apply the scientific method to design, execute, and analyse an experiment.	89.4
PO3	Explain the theoretical basis of the tools, technologies and methods common in Life science.	91.3
PO4	Design and develop solution to biotechnology problems by applying appropriate tools while keeping in mind safety for environment and society.	97.8
PSO1	Apply appropriate techniques for the qualitative and quantitative analysis of chemicals in laboratories and in industries	89
PSO2	Demonstrate effectively the applications of biochemical and biological sciences.	93.2
PSO3	Know and apply appropriate tools and techniques in biotechnological manipulation	94
PSO4	Understand his or her responsibilities in biotechnological practices.	100

Course Title: CELL BIOLOGY & GENETICS

Course Code:DMA220

Name of Course In-charge: Uma S/ Shilpa S/ Chaitra K/Choodamani M S

List of COs

CO ID	CO Statement	%Attainment
CO1	Develop an understanding of the structure and functions of organelles.	86.4
CO2	Understand the structure of chromosomes, types, cell differentiation and features of cancer cells.	69.0
CO3	Gain comprehensive understanding of the chemical basis of heredity and methods.	79.8
CO4	Understand effect of mutation, mechanism and Chromosomal Aberrations.	70.0

Course Title: BIOMOLECULES & BIO-ANALYTICAL TECHNIQUES

Course Code:DMB220

Name of Course In-charge: Uma S/ Shilpa S /Chaitra K /Choodamani M S

List of COs

CO ID	CO Statement	%Attainment
CO1	Understand the properties, mechanisms and biological importance of Bio-molecules.	85.4
CO2	Comprehend the mechanism of enzyme action, factors affecting it and its applications.	70.0
CO3	Understand and able to relate the principles underlying various instruments in the field of Biology.	78.8
CO4	Compare and contrast the role of bio -molecules and enzymes.	71.0

Course Title: MOLECULAR BIOLOGY &GENETIC ENGINEERING

Course Code:DMC220

Name of Course In-charge: Uma S/ Shilpa S /Chaitra K/Choodamani M S

List of COs

CO ID	CO Statement	%Attainment
CO1	Display a broad understanding of core molecular Biology.	85.6
CO2	Discuss and differentiate the process of Transcription and Translation	93.5
CO3	Explain key concepts of genome organization and manipulation.	82.8
CO4	Demonstrate working knowledge in a defined skill set of molecular biology and biotechnology protocols.	72.8

Course Title: PLANT TISSUE & ANIMAL CELL CULTURE

Course Code:DMD220

Name of Course In-charge: Uma S/ Shilpa S /Chaitra K /Choodamani M S

List of COs

CO ID	CO Statement	%Attainment
CO1	Develop concept of plant tissue and animal cell culture techniques and their application in biotechnology.	88.6
CO2	Comprehend the knowledge of transgenic plants in industrial and agricultural applications.	73.5
CO3	Establish and maintain various cell lines used in tissue culture.	78.8
CO4	Understand the application of animal cell culture in biopharmaceutical industry.	62.8

Course Title: IMMUNOLOGY & MEDICAL BIOTECHNOLOGY

Course Code:DME220

Name of Course In-charge: Uma S/Priyanka B S /Chaitra K /Choodamani M S

List of COs

CO ID	CO Statement	%Attainment
CO1	Understand the role of different types of Cells in immune system .	78.6
CO2	Discuss the principles and applications of immunological techniques.	90.6
CO3	Understand to diagnose diseases.	89.7
CO4	Comprehend the knowledge of therapeutic applications of enzyme and hormone.	92.2

Course Title: MICROBIAL TECHNIQUES

Course Code:DME222

Name of Course In-charge: Uma S/Priyanka B S /Chaitra K /Choodamani M S

List of COs

CO ID	CO Statement	%Attainment
CO1	Understand structure, classification and reproduction in micro-organisms.	81.5
CO2	Know and apply appropriate sterilization techniques in biotechnology.	93.1
CO3	Discuss the various culture media and its components used in culturing microbes.	89.7
CO4	Comprehend the knowledge of staining technique.	92.1

Course Title: ENVIRONMENTAL BIOTECHNOLOGY&BIOSTATISTICS

Course Code:DMF220

Name of Course In-charge: Uma S/Priyanka B S /Chaitra K /Choodamani M S

List of COs

CO ID	CO Statement	%Attainment
CO1	Gain an understanding of the causes, types and control methods for Environmental Pollution.	90.2
CO2	Differentiate the application of different life forms in Environmental Remediation.	89.4
CO3	Apply Statistical Tools for Analysis of Biological Data.	91.3
CO4	Apply Statistical Tools for calculation of standard deviation	97.8