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 (2020-21)

Index

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: **2020-21**

List of POs & PSOs

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PO2	Formulate critical reading and thinking skills in writing analytical essays	80.34
PO3	Explain figurative language in literary works of various literatures	82.46
PO4	Appraise students to understand theoretical developments in literary studies	81.36
PO5	Develop skills of criticism in reading literary works of different periods of various genres	82.37
PO6	Organise focused, well-developed text-based essay	79.77
PSO1	Develop the competence to work as English Language teacher at Primary, Secondary, Higher secondary and Pre-University level	81.91
PSO2	Create basic knowledge needed to get global level research opportunities to pursue Ph.D. programme, targeted approach to NET and competitive civil service examinations	77.42
PSO3	Formulate good communication skills for specific placements in teaching, publishing and many other industries	79.45
PSO4	Inculcate the scientific temperament in the students using the skills of critical thinking and creative writing	82.40
PSO5	Learnt to analyse emphatically in discussions and debates demonstrating good communication skills	80.10
PSO6	Produce the skills to train the English language trainers	80.19

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	94.55
CO2	Compare the unique qualities of the authors studied.	98.54
CO3	Develop a well-written argument about one or more literary texts or authors, and accurately cite literary and other sources	93.14
CO4	Create ability to read, summarize and analyse poems and sonnets of various themes	95.91

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Course Title: Elizabethan Age
Course Code: ENA020
Class : MA - I Sem
Name of Course In-charge/Coordinator: Mrs. Muktha K G
List of COs

CO ID	**CO Statement**	%Attainment
CO1	Classify the origin and growth of English Theatres and Renaissance plays	99.44
CO2	Produce the knowledge of Elizabethan culture, society and politics	96.44
CO3	Analyse Shakespearean Tragedies and Comedies in terms of language, character and Themes	95.43
CO4	Develop ability to read, summarize and critically analyse Shakespearean sonnets on various themes	96.11

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Course Title: 17th and 18thCentury 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	Create the knowledge related to the historical and cultural contexts of the period	96.53
CO2	Analyse the use of figurative language and literary techniques	95.97
CO3	Organise analytically the literary texts and their contexts	92.62
CO4	Develop skills of critical analysis in reading the prescribed plays, novels and essays	94.62

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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.	99.31
CO2	Judge the issues related to Woman's Question during the period and contributions of Mary Wollstonecraft and J S Mill to this movement	96.72
CO3	Explain the use of allegory, metaphor, irony, rhyme, rhythm, allusion in Romantic and Victorian poetry	98.63
CO4	Produce analytical skill of understanding literary essays of Victorian philosophers	98.39
CO5	Develop ability to summarize and analyse the novels of Jane Austen, Emily Bronte, Charles Dickens and Thomas Hardy	97.74

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Course Title: Indian Drama
Course Code: ENA220
Class : MA - I Sem
Name of Course In-charge/Coordinator: Mrs. Muktha K G

List of COs

CO ID	**CO Statement**	%Attainment
CO1	Understand the important aspects and features of Indian Drama	96.02
CO2	Learn to interpret and appreciate poetic devices in Indian Classical Dramas	95.80
CO3	Compare and analyse the classical Indian dramas with the contemporary time	95.17
CO4	Write down the characteristics of interpretation of Indian classical dramas	95.56

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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	83
CO2	Compare the unique qualities of the authors studied.	98.96
CO3	Develop a well-written argument about one or more literary texts or authors, and accurately cite literary and other sources	96.03
CO4	Create ability to read, summarize and analyse poems and sonnets of various themes	96.12

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PSO6	Produce the skills to train the English language trainers	80.19

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

List of COs

CO ID	**CO Statement**	%Attainment
CO1	Analyse figurative language and literary techniques	93.98
CO2	Compare the unique qualities of the authors studied.	97.07
CO3	Develop a well-written argument about one or more literary texts or authors, and accurately cite literary and other sources	92.41
CO4	Create ability to read, summarize and analyse poems and sonnets of various themes	95.87

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

List of COs

CO ID	**CO Statement**	%Attainment
CO1	Evaluate the social, political and cultural milieu of the age	99.41
CO2	Explain the impact of World War I and II on 20th Century poetry	98.02
CO3	Analyse literary elements like rhyme, rhythm, tone, style, imagery and, symbols, etc	99.33
CO4	Produce analytical skills of understanding war poetry	99.1

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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 and get awareness about gender issues	99.45
CO2	Appreciate the poetry of Kamala Das and Maya Angelou	98.02
CO3	Understand the injustices done towards women in patriarchal society.	99.09
CO4	Understand and analyse the works of Emecheta, Atwood, Mahasweta Devi, Simone de Beauvoir, Virginia Woolf and Showalter	98.74
CO5	Learn the problems faced by women in societies of different traditions and culture	99.16

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Course Title: English Essayists
Course Code: ENB220
Class : MA - II Sem
Name of Course In-charge/Coordinator: Mrs. Muktha K G
List of COs

CO ID	**CO Statement**	%Attainment
CO1	Explain the genre of prose essays and appreciate the essayist's artistic statements	93.18
CO2	Evaluate the literary devices employed by the essayists	98.92
CO3	Analyse the importance of essays as a genre to bring social change based on close reading of the essayist's observations on society.	96.79
CO4	Compare the views of Bacon, Hazlitt, Charles Lamb, Bertrand Russell, Mathew Arnold and Orwell in the prescribed essays	94.58

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Course Title: The Modern Age-II
Course Code: ENC010
Class : MA - III 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 age	99.31
CO2	Analyse the impact of World War I and II on 20th Century fiction	98.71
CO3	Evaluate the use of various literary devices and postmodern techniques such as Stream of Consciousness, Dark Humour in modern writings	99.12
CO4	Judge the new theatres evolved in modern age.	98.68

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Course Title: Indian Writing in English-II
Course Code: ENC020
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 characteristic features of post-independent Indian Writing in English	96.72
CO2	Compare and critically analyse essays of Indian critics	92.5
CO3	Evaluate the Indianness in Indian Writing in English	94.27
CO4	Analyse the use of various literary devices by Indian writers, such as Arundati Roy, Amitav Ghosh, Amrita Pritam and RK Narayan	96.25
CO5	Understand in depth literary essays of Gayatri Spivak, Aijaz Ahamed and Meenakshi Mukherjee	96.25

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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	100
CO2	Analyse the thematic concerns in New Literatures	98.03
CO3	Evaluate the cultural conflict in New literatures such as African, Australian, Canadian and Caribbean and the impact of colonization on native cultures	99.49
CO4	Formulate essays on the novels of Chinua Achebe, Wole Soyinka, Alice Munro, Patrick White, and V S Naipaul	99.47
CO5	Judge the use of various literary devices in the poetry of Dennis Brutus, David Diop, AJM Smith, Judith Wright, Derek Walcott, and Braithwaite	98.65
CO6	Produce analysis on the essays of Ngugi, Northrop Frye and Wilson Harris	99.25

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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	99.31
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	99.12
CO4	Formulate the trend setting themes explored in contemporary Indian poetry	98.68

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PO2	Formulate critical reading and thinking skills in writing analytical essays	80.34
PO3	Explain figurative language in literary works of various literatures	82.46
PO4	Appraise students to understand theoretical developments in literary studies	81.36
PO5	Develop skills of criticism in reading literary works of different periods of various genres	82.37
PO6	Organise focused, well-developed text-based essay	79.77
PSO1	Develop the competence to work as English Language teacher at Primary, Secondary, Higher secondary and Pre-University level	81.91
PSO2	Create basic knowledge needed to get global level research opportunities to pursue Ph.D. programme, targeted approach to NET and competitive civil service examinations	77.42
PSO3	Formulate good communication skills for specific placements in teaching, publishing and many other industries	79.45
PSO4	Inculcate the scientific temperament in the students using the skills of critical thinking and creative writing	82.40
PSO5	Learnt to analyse emphatically in discussions and debates demonstrating good communication skills	80.10
PSO6	Produce the skills to train the English language trainers	80.19

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

CO ID	CO Statement	%Attainment
CO1	Understand grammar rules and apply them in conversation and communication	91.93
CO2	Able to write effectively describing impressions, feelings and experiences	89.29
CO3	Understand in depth LSRW Skills	88.64
CO4	Understand the characteristics of writing essays of various topics	86.5
CO5	Identify the characteristics of learning basic grammar	80.17
CO6	Write down in details with application, if applicable, speaking skills	94.90
CO7	Learn the skills of writing resume and business applications.	94.41

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: **2020-21**

List of POs & PSOs

POID	PO Statement	%Attainment
PO1	Develop skills to write logically relating the real-life scenario with the issues depicted in literary texts	80.09
PO2	Formulate critical reading and thinking skills in writing analytical essays	80.34
PO3	Explain figurative language in literary works of various literatures	82.46
PO4	Appraise students to understand theoretical developments in literary studies	81.36
PO5	Develop skills of criticism in reading literary works of different periods of various genres	82.37
PO6	Organise focused, well-developed text-based essay	79.77
PSO1	Develop the competence to work as English Language teacher at Primary, Secondary, Higher secondary and Pre-University level	81.91
PSO2	Create basic knowledge needed to get global level research opportunities to pursue Ph.D. programme, targeted approach to NET and competitive civil service examinations	77.42
PSO3	Formulate good communication skills for specific placements in teaching, publishing and many other industries	79.45
PSO4	Inculcate the scientific temperament in the students using the skills of critical thinking and creative writing	82.40
PSO5	Learnt to analyse emphatically in discussions and debates demonstrating good communication skills	80.10
PSO6	Produce the skills to train the English language trainers	80.19

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	96.87
CO2	Analyse the essays using the skills of literary critical analysis	93.57
CO3	Produce analytical essays on the literary texts of the prescribed critics	95.88
CO4	Evaluate the latest developments in the specific field of practice of literary theories	96.94

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: **2020-21**

List of POs & PSOs

POID	PO Statement	%Attainment
PO1	Develop skills to write logically relating the real-life scenario with the issues depicted in literary texts	80.09
PO2	Formulate critical reading and thinking skills in writing analytical essays	80.34
PO3	Explain figurative language in literary works of various literatures	82.46
PO4	Appraise students to understand theoretical developments in literary studies	81.36
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PSO1	Develop the competence to work as English Language teacher at Primary, Secondary, Higher secondary and Pre-University level	81.91
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PSO3	Formulate good communication skills for specific placements in teaching, publishing and many other industries	79.45
PSO4	Inculcate the scientific temperament in the students using the skills of critical thinking and creative writing	82.40
PSO5	Learnt to analyse emphatically in discussions and debates demonstrating good communication skills	80.10
PSO6	Produce the skills to train the English language trainers	80.19

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 movements of American Renaissance and Transcendentalism	98.91
CO2	Appreciate the poetry of Emily Dickinson, Wallace Stevens, Whitman and Robert Frost	99.25
CO3	Understand the essays of Emerson and Thoreau	99.48
CO4	Appreciate the novels of Mark Twain, Hemmingway and Bradbury	98.82
CO5	Describe the African American sensibility based on the readings of Toni Morrison, Jamaica Kincaid and Fredrick Douglas's writings	98.05

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: **2020-21**

List of POs & PSOs

POID	PO Statement	%Attainment
PO1	Develop skills to write logically relating the real-life scenario with the issues depicted in literary texts	80.09
PO2	Formulate critical reading and thinking skills in writing analytical essays	80.34
PO3	Explain figurative language in literary works of various literatures	82.46
PO4	Appraise students to understand theoretical developments in literary studies	81.36
PO5	Develop skills of criticism in reading literary works of different periods of various genres	82.37
PO6	Organise focused, well-developed text-based essay	79.77
PSO1	Develop the competence to work as English Language teacher at Primary, Secondary, Higher secondary and Pre-University level	81.91
PSO2	Create basic knowledge needed to get global level research opportunities to pursue Ph.D. programme, targeted approach to NET and competitive civil service examinations	77.42
PSO3	Formulate good communication skills for specific placements in teaching, publishing and many other industries	79.45
PSO4	Inculcate the scientific temperament in the students using the skills of critical thinking and creative writing	82.40
PSO5	Learnt to analyse emphatically in discussions and debates demonstrating good communication skills	80.10
PSO6	Produce the skills to train the English language trainers	80.19

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	94.75
CO2	Create research skills and demonstrate scholarly expertise in exploring the subject to prepare the dissertation for the project work	95.5
CO3	Produce the skills of research analysis in writing thesis	96.62
CO4	Explain logically and relate the issues and findings to real life scenario	96.25

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: **2020-21**
List of POs & PSOs

POID	PO Statement	%Attainment
PO1	Develop skills to write logically relating the real-life scenario with the issues depicted in literary texts	80.09
PO2	Formulate critical reading and thinking skills in writing analytical essays	80.34
PO3	Explain figurative language in literary works of various literatures	82.46
PO4	Appraise students to understand theoretical developments in literary studies	81.36
PO5	Develop skills of criticism in reading literary works of different periods of various genres	82.37
PO6	Organise focused, well-developed text-based essay	79.77
PSO1	Develop the competence to work as English Language teacher at Primary, Secondary, Higher secondary and Pre-University level	81.91
PSO2	Create basic knowledge needed to get global level research opportunities to pursue Ph.D. programme, targeted approach to NET and competitive civil service examinations	77.42
PSO3	Formulate good communication skills for specific placements in teaching, publishing and many other industries	79.45
PSO4	Inculcate the scientific temperament in the students using the skills of critical thinking and creative writing	82.40
PSO5	Learnt to analyse emphatically in discussions and debates demonstrating good communication skills	80.10
PSO6	Produce the skills to train the English language trainers	80.19

Course Title: Postcolonial African Fiction
Course Code: END230
Class : MA - IV Sem
Name of Course In-charge/Coordinator: Dr Syed Hajira Begum
List of COs

CO ID	**CO Statement**	%Attainment
CO1	Learn the social, political and cultural milieu of the Postcolonial African Fiction	100
CO2	Appreciate the ideas on decolonization, gender and cultural issues	99.34
CO3	Learn the literary theories employed by the postcolonial African writers	98.81
CO4	Appreciate the postcolonial African novels - Anthills of Savannah, The River Between, The Bride Price and Changes	99.76

JSS Mahavidaypeetha

JSS College of Arts Commerce and Science

Ooty road, Mysuru

Department: PG Commerce

Programme Code: 1001

Programme Name: M.Com

Session/Year: 2020-21

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	2.33	77.66
2	PSO2	Identify knowledge based accounting principles and the latest application oriented corporate accounting methods.	2.25	75.00
3	PSO3	Develop decision making skill through costing methods and practical application of management accounting principles.	2.11	70.33
4	PSO4	Enhance taxation skills through a thorough understanding of tax laws	2.23	74.33

PO ATTAINMENT

Sl. No	PO ID	PO Statement	PO Attainment	% Attainment
1	PO1	Understand role of accounting and finance in the present business scenario.	2.3	76.66
2	PO2	Identify the latest trends in banking and finance	2.8	93.33
3	PO3	Use wide varieties of tools and techniques to meet the emerging opportunities and challenges	2.25	75.00
4	PO4	Become an entrepreneur based on the knowledge gained.	2.46	82.00
5	PO5	Strengthen the knowledge base to take up CA/ICWA/ICS and other competitive examination	2.76	92.00
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	2.56	85.33
8	PO8	Enhance logical thinking and decision making ability	2.78	92.66

Name of the Coordinator : Dr.Divya.L

CO Attainment

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.	2.6	86.66
			MCA010.2	knowledge on conceptual framework of accounting theory	2.6	86.66
			MCA010.3	Critical thinking skills to analyze and interpret accounting transactions.	2.6	86.66
			MCA010.4	Understand the recognition, measurement and disclosure principles of elements of financial statements.	2.6	**86.66**
2	Corporate Governance And Business Ethics	**MCA080**	MCA080.1	Understand the concept of corporate governance	2.8	93.33
			MCA080.2	knowledge about corporate ethics and cultural influences	2.8	93.33
			MCA080.3	Acquire knowledge of corporate social responsibility and accountability	2.8	93.33
			MCA080.4	Analyze the role of E-governance in present scenario.	2.8	93.33
3	Advanced Financial Management	**MCA090**	MCA090.1	Understand financial management concepts and its important functions.	2.8	93.33
			MCA090.2	Learn the process of evaluation of projects	2.8	93.33
			MCA090.3	Understand capital structure theories	2.8	93.33
			MCA090.4	Identify the dynamics of financial markets	2.8	93.33

4	Strategic Marketing	**MCA100**	MCA100.1	Understand the marketing strategy formulation	3	100
			MCA100.2	Learn the steps in implementation of marketing strategies.	3	100
			MCA100.3	Analyze different marketing strategy	3	100
			MCA100.4	Learn about formulation and evaluation of marketing strategy	3	100
5	Business Policy And Environment	**MCA210**	MCA210.1	Insight on policy formation	2.8	93.33
			MCA210.2	Understand the environmental factors that influence business	2.8	93.33
			MCA210.3	Knowledge and significance of corporate social responsibility	2,8	93.33
			MCA210.4	Identify the Principles of Business ethics	2.8	93.33
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

2020-21

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

Course outcomes (%Attainments)

COURSE	COURSE CODE	COID	CO'S	ATTAINMENT (%)
BIOMOLECULESANDBIOENERGETICS	BTA040	CO1	Study of different biomolecules	92.42
		CO2	Metabolism and their regulation	67.64
		CO3	Enzymes and their role in metabolism	81..84
		CO4	Application of thermodynamics to understand the basic concepts of life.	82.43
		CO5	To study the integrated metabolism of all the biomolecules.	68.05
BIOANALYTICALTECHNIQUES	BTA050	CO1	To understand the separation of molecules by different chromatography, centrifugation and electrophorotic techniques	91.24

		CO2	Analysisandcharacterizatio nofmoleculesbyspectrosco pytechniques	97.8
		CO3	Useofradioactivematerialin understandingmetabolicpa thways	88.35
		CO4	To study the imaging techniques to explore the basics of cell	87.50
LAB – I	BTA060	CO1	Course objective is to introduce the students to the fundamental experiments in the field of Biochemistry, Microbiology and Genetics.	85. 80
		CO2	Students get the insight to operate simple equipments like colorimeter and spectrophotometer	91.68
		CO3	Identification of microorganisms by morphology and staining techniques and study ofgrowth kinetics.	83.4
		CO4	In genetics students are exposed to know about culture and maintenance of *Drosophila melanogaster* (model organism), Study of mutants, salivary gland chromosome and karyotyping techniques.	86.68
		CO5	To understand the different enzyme kinetics.	73.49

MOLECULAR GENETICS	BTA230	CO1	Tounderstandthemolecularmechanismofinheritance	89.24
		CO2	Mutation and DNA repairmechanism	83.31
		CO3	Genemapping andstudyofch romosomalab normalities	87.22
		CO4	Phylogenetics andmicro-evolution	73.61
		CO5	Development of an organism	80.24
MICROBIOLOGY	BTA240	CO1	To understand the microbial taxonomy	82.56
		CO2	Handling, preservation and sterilization of microbes	85.25
		CO3	Microbial interactions with different hosts	83.93
		CO4	-Application of microorganisms in the field of agriculture, environment and health sciences	87.34
MOLECULAR BIOLOGY	BTB020	CO1	The student will get an idea about the genomic organization of prokaryotes and eukaryotes.	72.93
		CO2	To obtainindepthknowledgeofgeneticcode,DNAreplication	80.98

			andtranscription.	
		CO3	Understand principles, concepts of translation, post translation mechanism	82.93
		CO4	Regulationofgeneexpressioninprokaryotesandeukaryotes	53.41
		CO5	Gaintheinsightintomolecularmechanismofantisensemolecules,inhibitionofsplicingand application of antisense and ribozymetechnologies	68.05
IMMUNOLOGYANDIMMUNOTECHNOLOGY	BTB050	CO1	Study basic concepts of immunology	82.98
		CO2	MHC and their role in transplantion	87.37
		CO3	Cytokines and their role in immune system, TumorImmunology	92.68
		CO4	Autoimmune diseases , causes and treatment	79.49
		CO5	Hypersensitivity, Vaccine production	67.80
LAB – II	BTB060	CO1	StudentsaretrainedtogettheskillsinthefieldofMolecularbiologyandGenetic engineering	73.66
		CO2	Isolationandpurificationofnucleicacidsandtheirquantification	83.68
		CO3	Study of antigen and antibodyinteractions	93.24

		CO4	Preparation of wine and analysis of food samples	88.54
		CO5	Visit to Bio-tech Industries	80.73
CELL SIGNALLING AND COMMUNICATION	BTB220	CO1	Understanding the multi-cellularity of organisms	92.38
		CO2	role of extracellular matrix in signalling	63.31
		CO3	various signalling pathways from the cell surface to the nucleus	73.85
		CO4	cell signalling in plants	86.15
		CO5	microbe-plant and insect-plant interaction.	64.62
FOOD AND ENVIRONMENTAL BIOTECHNOLOGY	BTB210	CO1	Comprehensive insight into the fermented foods and enzymes in food industry	81.46
		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.	91.85
		CO4	Understand the principles of bioremediation and significance of GMO to the environment.	75.39
		CO5	waste management.	90.47
BIOPROCESS	BTC040	CO1	understand the different metabolic pathways of microorganisms	76.92

ENGINEERING AND TECHNOLOGY		CO2	To have the **c**omprehensive insight into the different type of fermenter	88.49
		CO3	To obtain knowledge of media design and industrial culture	77.49
		CO4	Students will be able to understand different type of fermenter and bioreactor	84.15
		CO5	Understand the principles of downstream processing, To understand the enzyme technology and their applications in industry.	82.30
GENETIC ENGINEERING	BTC050	CO1	To have the **c**omprehensive insight into the different enzymes used in Geneticengineeringlab	79.53
		CO2	To obtain knowledge of construction of vectors	63.15
		CO3	Students will be able to understand different type of cloning methods.	74.23
		CO4	UnderstandtheprinciplesofPCR&types	71.35
		CO5	Toknowthedifferentsequencemethods	78.38
LAB- III	BTC060	CO1	To have the **c**omprehensive insight into the different enzymes kinetics	97.21

		CO2	Production of different compounds by fermentation	76.98
		CO3	to study the plant tissue culture methods	85.76
		CO4	Estimation of different bio active compounds	87.97
		CO5	Preparation of animal cell culture media and anti-angiogenic activity	79.09
BIOSTATISTICS, BIOINFORMATICS AND BIOENTERPRENURSHIP	BTC220	CO1	Application of statistics to understand and analyse the experimental results of biological sciences	75.31
		CO2	Retrieval of biological data	69.14
		CO3	phylogenetic analysis	71.22
		CO4	Primer designing, Insight into start-up companies.	64.49
		CO5	drug discovery and molecular docking	56.94
APPLIED BIOTECHNOLOGY		CO1	Scope of Biotechnology in India	76.0
		CO2	Use of plant tissue culture to society	71.60

		CO3	Applications of animal cell culture in medical field	66.0
		CO4	Applications of Bio-technology in solving agricultural problems	84.98
		CO5	Production of bio-pesticides and bio-fertilizers.	79.43
PLANT BIOTECHNPLOGY	BTD010	CO1	General Introduction to tissue culture	79.97
		CO2	Use of plant tissue culture to society	95.97
		CO3	Haploid technology to produce seedless crops	68.97
		CO4	Applications of Bio-technology in solving agricultural problems	87.91
		CO5	Applications of recombinant technology to produce disease free crops	
ANIMAL BIOTECHNOLOGY	BTD020	CO1	General Introduction to Animal cell culture	66.97
		CO2	Use of different media to culture animal cells	88.97
		CO3	Different methods of cell separation	94.88
		CO4	Tissue Engineering using different matrices	69.91

		CO5	Cloning of animals	69.80
Project work	BTD030	CO1	Making the students to think about current scientific problems	93.15
		CO2	Designing the objectives and writing the synopsis	98.10
		CO3	Understanding the research articles	82.62
		CO4	Designing the experiments	89.54
		CO5	Analysing the data, interpretation of results and writing research papers	91.43

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	**73.34**
		PO2	Tomakethestudentsdevelopinterpersonalskills,writtenandoralcommunicationandalso to improve their body language and eye contact duringpresentations.	**88.10**
		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.	**67.49**
		PO4	To teach the students not to demoralize the others ideas and not to	**79.61**

		differentiate the intelligent and the ignorant, poor and the rich and to uphold the moral values in the society	
	PO5	Uponcompletionofcoursestudentswillhavetheabilitytodesigntheexperimentstosolve thecurrentproblemsinthesocietyrelatedtohealth,environmentandindustries,	**78.60**
	PO6	Uponcompletionofcoursestudentswillhavetheabilitytodesigntheexperimentstosolve thecurrentproblemsinthesocietyrelatedtohealth,environmentandindustries	**71.12**

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	**64.2**
	PO2	Tomakethestudentsdevelopinterpersonalskills,writtenandoralcommunicationandalso to improve their body language and eye contact duringpresentations.	**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.	**78.91**
	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	**76.7**

	PO5	Uponcompletionofcoursestudentswillhavetheabilitytodesigntheexperimentstosolve thecurrentproblemsinthesocietyrelatedtohealth,environmentandindustries,	**78.12**
	PO6	Uponcompletionofcoursestudentswillhavetheabilitytodesigntheexperimentstosolve thecurrentproblemsinthesocietyrelatedtohealth,environmentandindustries	**75.86**

Outcome Attainment Reports

Department: PG Biochemistry | Programme: M.Sc Biochemistry

Semesters: I-IV | Session: 2020-21

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	76.22
48035	Provides the breadth and depth of scientific knowledge in Biochemistry and allied areas	79.96
48036	Equips to apply for a Ph.D. or to gain employment in biochemistry and allied areas	73.37
48016	Provides a substantial element of hands-on research experience, with enhanced experimental skills	67.67
48022	Demonstrates detailed knowledge and understanding of the principles and theories of biochemistry	79.74
48017	Helps to understand the principle techniques of biomolecular structural characterization, including spectroscopy	65.19

PSOID	PSO	Attainment in %
48044	Global level research opportunities to pursue Ph.D. programme targeted approach of CSIR-NET examination	75.20
48052	Enormous job opportunities at all level of chemical, pharmaceutical, food products, life oriented material industries	79.50
48061	Specific placements in R&D and quality control or analysis division of nutraceutical, pharmaceutical industries and allied division	76.63

Course Title	Course ID	COID	CO	Attainment in %
Analytical Biochemistry-I	BCA040	47911	Specify in depth cell fractionation techniques	100
Analytical Biochemistry-I	BCA040	47912	Write down in details with application, if applicable, chromatography and spectroscopy	100
Analytical Biochemistry-I	BCA040	47913	Write down in details with application, if applicable, principle and applications of electrophoresis	100
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	100
Chemistry and Metabolism of Proteins and Nucleic Acids	BCA050	47923	Understand in details with application, if applicable, nitrogen metabolism and degradation	100
Chemistry and Metabolism of Proteins and Nucleic Acids	BCA050	47924	Write down the classification and characteristics of synthesis of amino acids and proteins	100
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	100
Experiments in Biochemical Techniques and Enzymology and Seminar	BCA060	47927	Identify the details of specific activity of enzymes	100
Experiments in Biochemical Techniques and Enzymology and Seminar	BCA060	47928	Deliberate the characteristics of gel electrophoresis	100
Experiments in Biochemical Techniques and Enzymology and Seminar	BCA060	47929	Deliberate the characteristics of use of pipettes	100

Enzymology	BCA230	47930	Write down in details with examples enzyme kinetics	100
Enzymology	BCA230	47931	Identify in details with examples enzyme catalysed reactions	100
Enzymology	BCA230	47932	Identify the characteristics of cooperativity reactions	100
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	100
Chemical Principles and Biochemical Reactions	BCA250	47935	Write down in depth thermodynamics	100
Chemical Principles and Biochemical Reactions	BCA250	47936	Learn in details with application, if applicable, stereochemistry	100
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	100
Analytical Biochemistry–II	BCB040	47940	Specify the characteristics of biosensor technology	90
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	100
Chemistry and Metabolism of Carbohydrates and Lipids	BCB050	47943	Understand the classification and characteristics of chemistry of carbohydrates	80
Chemistry and Metabolism of Carbohydrates and Lipids	BCB050	47944	Deliberate the classification and characteristics of bioenergetics	100
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	BCB060	47947	Understand in details with examples	100

andSeminar			antigen antibody reactions	
Experiments in Immunology andBiochemical Estimations and Seminar	BCB060	47949	Specify in details with application, if applicable, oils and fats estimation	100

Experiments in Immunology andBiochemical Estimations and Seminar	BCB060	47950	Understand in depth acid value principle and determination	100
Experiments in Immunology andBiochemical Estimations and Seminar	BCB060	47951	Identify in details with examples mitosis and meiosis	90
Immunology and Microbiology	BCB250	47952	Identify in details with examples antigens and antibodies	100
Immunology and Microbiology	BCB250	47953	Understand the details of cellular basis of immunity	90
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	100
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	90
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	100
Cell Biology, Endocrinology andCell Signaling	BCC070	47961	Specify in details with examples cellular organization	80
Cell Biology, Endocrinology andCell Signaling	BCC070	47962	Learn the characteristics of endocrinology	80
Cell Biology, Endocrinology andCell Signaling	BCC070	47963	Learn in depth cell signaling	80
Cell Biology, Endocrinology andCell 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	80
Clinical Biochemistry	BCC050	47967	Write down the characteristics of hormonal disorders	80
Clinical Biochemistry	BCC050	47968	Write down in details with application, if applicable, hematology	80
Biotechnology	BCC230	47973	Understand the concepts of biotechnology	100
Biotechnology	BCC230	47974	Provide examples of current applications of biotechnology	90
Biotechnology	BCC230	47975	Explain the concept and application of enzyme technology	80
Biotechnology	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	100
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	100
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 Gene Regulation	BCD010	47981	Write down the characteristics of DNA characteristics and replication	80
Molecular Biology and Gene Regulation	BCD010	47982	Write down in depth Transcription and regulation	90
Molecular Biology and Gene Regulation	BCD010	47983	Learn in depth translation	80
Molecular Biology and Gene Regulation	BCD010	47985	Identify in depth translational regulation	80

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	100
Genetics and Genetic Engineering	BCB070	47988	Describe how mutations occur and scope of population genetics	80
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	100
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	100

Lists and Attainment of PO, PSO and COs

PO M.SC. BOTANY (2020-2021)

Sl. No.	POID	PO	ATTAINMENT
1	BOT20PO1	Conductinvestigationsofcomplexproblemsbytheuse of research-based knowledge on an independent term project.	79.19
2	BOT20PO2	Transferofappropriateknowledgeandmethodsfromonetopictoanotherwithin thesubject.	89.07
3	BOT20PO3	Carryoutpracticalwork,inthefieldand inthelaboratory,withminimalrisk.	85.49
4	BOT20PO4	Able to think logically and organize tasks into a structured form and assimilate knowledge and ideasbased on wide reading of text booksand throughthe internet.	88.45
5	BOT20PO5	Apply the scientific knowledge of basic science,lifesciences and fundamental process of plants to study and analyze any plant form.	89.91
6	BOT20PO6	Knowledge and understanding of the range of plant biologyin terms of structure, function and environmentalrelationships.	87.86
7	BOT20PO7	Apply reasoning informed by the contextual knowledge to assess plantdiversity, and the consequent responsibilities relevant to the biodiversity conservation Practice.	79.85

PSOM.SC.BOTANY(2020-2021)

Sl. No.	COURSE	PSOID	PSO	ATTAINMENT
1.	AlgalBiologyand Biotechnology	BOA230	Phylogeny,thallusorganization,economicand ecologicalimportanceofalgal community	92.33
2.	BiochemistryandPlant Physiology	BOC030	Biomolecules,metabolic pathwaysandstress physiologyinplants	99.00
3.	CellBiologyandGenetics	BOB020	CelloriginalsandMendelianprinciples	92.00
4.	Ecology,Conservation Biology andPhytogeography	BOD010	Diversityofvegetation, distributionand its conservation	91.67
5.	EconomicBotany	BOB220	Economicvaluesofdifferentcropplantsand their applications	91.33
6.	MajorProject	BOD020	Hands on experience in various fields of plant science	99.00
7.	MolecularBiology	BOC040	Molecularlevelorganization in prokaryotesand eukaryotes with respect to various mechanisms involved	91.67
8.	PlantAnatomyand Histochemistry	BOB210	Anatomicalfeaturesand organizationofcellsin plants	92.33
9.	PlantBreedingand Evolutionary Biology	BOB030	Plantbreedingmethods, proceduresandtheir applicationforcropimprovement	92.33

10.	PlantBiotechnology	BOC050	Tissueculturetechniques and itsapplication in developmentofresistant varieties	92.00
11.	PlantPropagationandPlant Breeding	BOC230	Propagationmethodsandplantbreedingprocedures and theirapplicationindifferentfields	92.00
12.	PlantPropagation Techniques	BOC640	Propagationmethodsand proceduresandtheir applicationindifferentfields	92.00
13.	Phycology,Bryophytes, PteridophytesandGymnosperms	BOA050	Distribution,classification andphylogenyoflower plant communities	91.33
14.	Phytopathology	BOA240	Conceptsofplantdiseases defensemechanismsin plantsandstudyofplantdiseases	90.33
15.	ReproductiveBiologyof Angiosperms and Plant Morphogenesis	BOB010	Embryologicalstudy ofgrowth and development using plant models	91.67
16.	SeedTechnology	BOD210	Industrialscaleprocessing ofseedsuptomarketing	90.00
17.	SystematicsofAngiosperms	BOA060	Angiospermicplantfamily studywiththeir phylogeny	98.33
18.	Virology,Bacteriology, MycologyandPlantPathology	BOA040	Diversity,distribution ofmicroorganismwithrespect totheireconomicaspects	98.33

Sl. No.	COURSE	COID	CO	ATTAINMENT
1.	AlgalBiologyand Biotechnology	BOA2301	Specifyindepthofthallusorganizationand phylogenyinalgae	100
2.	AlgalBiologyand Biotechnology	BOA2302	Understand the detailsof toxins, blooms and distributions of algae	100
3.	AlgalBiologyand Biotechnology	BOA2303	Deliberateindepthaboutcultivationand marketingalgae	100
4.	AlgalBiologyand Biotechnology	BOA2304	SpecifythedetailsofAlgalproductsanduses	100
5.	BiochemistryandPlant Physiology	BOC0301	Learnindetailswithbiomoleculesandtheir function	100
6.	BiochemistryandPlant Physiology	BOC0302	Understandindepthaboutsolutetransport andphotosynthesisinplants	100
7.	BiochemistryandPlant Physiology	BOC0303	Specifythe details ofmetabolism of nitrogen, lipids and plant hormones	100
8.	BiochemistryandPlant Physiology	BOC0304	UnderstandindepthaboutStressphysiology	100
9.	CellBiologyandGenetics	BOB0201	Learnindetailaboutcell membranestransport andproteins	100
10.	CellBiologyandGenetics	BOB0202	DeliberatetheFunctions ofcell organelles, programedcelldeath	100
11.	CellBiologyandGenetics	BOB0203	Specifytheextensions ofMendelianprinciples	100
12.	CellBiologyandGenetics	BOB0204	LearnaboutSexdeterminationand dosagecompensation	100
13.	Ecology, conservation Biology and Phytogeography	BOD0101	Understandthediversity of ecosystemand types ofecosystems	100
14.	Ecology, conservation Biology and Phytogeography	BOD0102	Learn the in details ofpollutionand environmental biology	100
15.	Ecology, conservation Biology and Phytogeography	BOD0103	Study the importance of biodiversityand conservation biology	100
16.	Ecology, conservation Biology and	BOD0104	Detailed study ofphytogeography and crop distribution	100

	Phytogeography			
17.	EconomicBotany	BOB2201	Specifythedetailsofcereals,millets,pulses, oil yielding plants andstudy of horticultural plants and floriculture	100
18.	EconomicBotany	BOB2202	Deliberatethecharacteristicsofsugar yielding plants,spicesandcondiments	100
19.	EconomicBotany	BOB2203	Understand the importanceoffiber,timberand gumyielding plant	100
20.	EconomicBotany	BOB2204	Deliberateonthemedicinalplantsand their applications	100
21.	MajorProject	BOD0201	Learn the details ofliterature survey and methodology in research	100
22.	MolecularBiology	BOC0401	Identifythecharacteristicsofgenetic materials anditsreplication	100
23.	MolecularBiology	BOC0402	Learn the details ofmolecular basis of mutation, repair and recombination	100
24.	MolecularBiology	BOC0403	Deliberate the details of RNAformation, processing of RNA and post-RNA	100
25.	MolecularBiology	BOC0404	Understand in depth of generegulationin prokaryotes and eukaryotes	100
26.	PlantAnatomyand Histochemistry	BOB2101	Learn in detailsofprimary vegetative body of the plants	100
27.	PlantAnatomyand Histochemistry	BOB2102	Deliberate in details of differentiationin vascular tissues and study of apical meristemsinshootand root	100
28.	PlantAnatomyand Histochemistry	BOB2103	Deliberate thecharacteristicsof secondarygrowth	100
29.	PlantAnatomyand Histochemistry	BOB2104	Understand the details ofplantistochemistry	100
30.	Plant Breeding and EvolutionaryBiology	BOB0301	Learnindepthabout plantbreedingmethods and techniques	100
31.	Plant Breeding and EvolutionaryBiology	BOB0302	Understandthedetails ofbreedingforspecific purposes	100
32.	PlantBreedingand EvolutionaryBiology	BOB0303	Learnthedetailsof Natureofevolution	100
33.	PlantBreedingand EvolutionaryBiology	BOB0304	Identifythe characteristicsofvariationandspeciation	100

34.	PlantBiotechnology	BOC0501	Understandindepth aboutplanttissueculture andits techniques	100
35.	PlantBiotechnology	BOC0502	Specifythegenetic engineeringandtools usedinit	100
36.	PlantBiotechnology	BOC0503	Understandthedetails of genetic manipulation,transgenic approaches to produce resistant plants	100
37.	PlantBiotechnology	BOC0504	Learn the details of engineering of cropplants for production of secondary metabolites	100
38.	PlantPropagationandPlant Breeding	BOC2301	Learn the details of importance of plant propagation, vegetative propagation and micro propagation	100
39.	PlantPropagationandPlant Breeding	BOC2302	Understandingofbasicconceptsofplant breedingandgenetics	100
40.	PlantPropagationandPlant Breeding	BOC2303	Studytypes,purposesofplantbreeding	100
41.	PlantPropagationandPlant Breeding	BOC2304	Deliberatestudyof advancedbreedingaspects	100
42.	PlantPropagation Techniques	BOC6401	Learn the details of importance of plant propagation	100
43.	PlantPropagation Techniques	BOC6402	Understandin depth abouttypesof vegetative propagation	100
44.	PlantPropagationTechniq ues	BOC6403	Learnthetechniquesofbuddingandlayering	100
45.	PlantPropagation Techniques	BOC6404	Deliberate in details with examples of micro propagation in forestryand horticulture plants	100
46.	Phycology, Bryophytes, Pteridophytes and Gymnosperms	BOA0501	Understandthedetails ofdiversity, distribution, pigmentationand lifecycle of algae	100
47.	Phycology,Bryophytes, Pteridophytesand Gymnosperms	BOA0502	DeliberateindepthofBryophyteslifecycle, classification,phylogeny andEconomic importance	100
48.	Phycology,Bryophytes, Pteridophytesand Gymnosperms	BOA0503	UnderstandthedetailsofPteridophyteslife cycle,phylogeny,classification,economic importance and anatomy	100
49.	Phycology,Bryophytes, Pteridophytes and	BOA0504	Write down in details with examples Gymnosperms history, reproduction,	100

	Gymnosperms		economic importanceandinterrelationship	
50.	Phytopathology	BOA2401	Learn the details of the concept,causative agents and disease cycleof plant pathogens	100
51.	Phytopathology	BOA2402	Deliberate the details of defense mechanisms in plants and its genetics	100
52.	Phytopathology	BOA2403	StudyofManagementofplantdiseases	100
53.	Phytopathology	BOA2404	Identify in details withexamples of diseases in crop plants	100
54.	ReproductiveBiologyof AngiospermsandPlant Morphogenesis	BOB0101	Understandingthemicro sporogenesisand historical overview	100
55.	ReproductiveBiologyof Angiosperms and Plant Morphogenesis	BOB0102	Specify in details with examples about mega sporogeneis,fertilization,endosperm and embryo	100
56.	ReproductiveBiologyof Angiosperms and Plant Morphogenesis	BOB0103	Specifythe details ofmodels and concepts of plant morphogenesis	100
57.	ReproductiveBiologyof AngiospermsandPlant Morphogenesis	BOB0104	Understandindetailswithexamplesofplant growthanddevelopment, photo morphogenesis	100
58.	SeedTechnology	BOD2101	Understandtheseed scienceandconcepts	100
59.	SeedTechnology	BOD2102	Study the seedproductionandprocessing methods	100
60.	SeedTechnology	BOD2103	Learnaboutseedqualityparametersandtests	100
61.	SeedTechnology	BOD2104	Deliberatetheprocedureofseedcertification	100
62.	Systematicsof Angiosperms	BOA0601	Understand the principles andapplicationsof Taxonomy of angiosperms	100
63.	SystematicsofAngiosperms	BOA0602	Specifythedetailsoftaxonomicliterature	100
64.	Systematicsof Angiosperms	BOA0603	Deliberateindetails withexamplesDicotand monocotfamilyandfeatures of classification systems	100
65.	Systematicsof Angiosperms	BOA0604	Specify in details molecularsystematics withexamplesofsoftwares and databases	100

66.	Virology,Bacteriology, MycologyandPlant Pathology	BOA0401	Learn the classification andcharacteristics of viruses, viroids, prions and diseases of it	100
67.	Virology,Bacteriology, Mycology and Plant Pathology	BOA0402	Deliberateindetails with examples of Bacteria,archeabacteria, actinomycetesand mycoplasmaanditseconomicimportance	100
68.	Virology,Bacteriology, Mycology and Plant Pathology	BOA0403	SpecifytheFungaldiversity,lifecycleand economic importance of fungi	100
69.	Virology,Bacteriology, MycologyandPlant Pathology	BOA0404	Understandin details of etiology, distribution and management of plant disease	100

JSS Mahavidyapeetha

JSS College of Arts, Commerce and Science

Ooty Road, Mysuru – 570 025, Karnataka, India

2020-21

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.	100
		CO2	Learning this course content will develop the ideas with the fundamental aspects in analytical chemistry.	100
		CO3	Students will be enriched with explored topics such as experimental design, sampling, calibration strategies, standardization, optimization, statistics, and the validation of experimental results.	90
		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.	80
Inorganic Chemistry-I	**CHA 100**	CO1	Understand the details of Molecular symmetry and group theory and applications, Representation of groups.	80
		CO2	Learn in details with examples VSEPR model, Non-aqueous solvents, Electron deficient compounds, Lanthanides & Actinides.	70
		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.	90
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.	66
		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.	100
		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.	90
		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 Practicals	**CHA 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.	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.	80
		CO3	Capacity and scope of the built knowledge to separate analytes in multi-component mixtures.	90
		CO4	Ability to design separation procedure for the effective solution of intended problem.	100
		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.	100
		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 properities.	90
		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.	66
		CO3	Understand in details with examples Photochemistry and concerted reactions, Electrocyclic reactions.	100
Physical Chemistry - II	**CHB 120**	CO1	Learn in depth Quantum Chemistry.	100
		CO2	Learn in details with examples Microwave and Vibration spectroscopy.	90
		CO3	Understand in depth Raman and UV-Visible spectroscopy.	90
		CO4	Learn the classification and characteristics of NQR, Mössbauer, ESR spectroscopy.	80

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.	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.	99
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.	80
		CO2	Students will attain the state to explain different types of Instrumental methods employed in chemical analysis.	100
		CO3	Students are developedwith the understanding of the range and theories of instrumental methods available in analytical chemistry.	90
		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.	80
		CO6	Obtain the practical experience in selected instrumental methods of analysis.	100
		CO7	Develop the skills on instrumental methods for planning, developing, conducting, reviewing, conducting experimentsand reporting results.	80
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.	66
		CO3	Learn the characteristics of 13C-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.	90
		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	90

			results.	
		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.	99
		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.	100
		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.	90
		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	**CHD**	CO1	Learn in depth various estimations like sugars, enol content, ketones, nitro,	100

Chemistry Practicals	**230**		protein etc.	
		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.	90
		CO3	Understand in depth ability to take up research work.	100
		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	95.7	95.4	95.0	95.7	94.0	95.0	95.0	96.8	95.0			
CHA 100	89	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	90	100	50	33
CHA 050	100	100	100	100	100	100	100	100	100	100	100	100
CHA 060	100	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	94	100	100	100	100	92	92	92	94			
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	90	100	50	33
CHB 050	100	100	100	100	100	100	100	100	100	100	100	100
CHB 060	100	100	99	100	100	100	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	80	100	80	90	100	80	97.5	80	80			
CHC 020	100	100	100	100	100	100	100	100	100	100	100	100
CHC 210	100	100	100	100	100	100	100	100	100	100	100	100
CHC 220	99	100	98.23	100	100	98	100	98		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	90	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	98.30	99.84	98.78	99.51	99.79	98.52	99.47	98.86	96.52	99.77	84.22	83.28
Av*0.8	78.64	79.87	79.03	79.61	79.83	78.82	79.57	79.08	77.22	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)	98.64	99.87	99.03	99.61	99.83	98.82	99.57	99.08	97.22	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 - 2020-21

List of POs & PSOs

POID	PO Statement	%Attainment (Overall)*
PO1	Identify, formulate, and solve computer science problems	63.90
PO2	Design, implement, test, and evaluate a computer system, component, or algorithm to meet desired needs	62.59
PO3	Receive the broad education necessary to understand the impact of computer science solutions in a global and societal context	67.84
PO4	Communicate effectively	64.24
PO5	Success in research or industry related to computer science	54.90
PSO1	Programmers or the Software Engineers with the sound knowledge of practical and theoretical concepts for developing software.	73.27
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.	69.06
PSO3	Work as the System Engineers and System integrators Serve as the System Administrators with thorough knowledge of DBMS.	72.24
PSO4	Work as the Support Engineers and the Technical Writers	66.34
PSO5	Work as IT Sales and Marketing person.	60.96
PSO6	Serve as the IT Officers in Banks and cooperative societies.	64.21
PSO7	Computer Scientist in research and R & D laboratories.	58.65

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.Mamatha N
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.	100
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 C**ourse 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: Mrs. SUMANASHREE Y S

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.Sumanashree Y S

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.Mamatha N
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.Geethanjali R

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.Mamatha .N

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. Apoorva 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:2020-21

List of POs & PSOs

POID	PO Statement	%Attainment (Overall)*
PO1	To move away from the conventional pedagogy of teaching mathematics	84.62
PO2	To include methods of facilitating learning such as projects, group work and participative learning	76.34
PO3	To Innovate, invent and solve complex mathematical problems using the knowledge of pure and applied mathematics	78.69
PO4	To impart knowledge of some basic concepts and principles of the discipline	84.6
PO5	To establish inter-disciplinarily between mathematics and other subjects from Humanities and the Social Sciences.	76.71
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	82.61
PSO2	Propose new mathematical and statistical questions and suggest possible software	77.42
PSO3	Continue to acquire mathematical and statistical knowledge and skills appropriate to	78.7
PSO4	Ability to use computer calculations as a tool to carry out scientific investigations and	78.94
PSO5	Crack lectureship and fellowship exams approved by UGC like CSIR – NET and SLET.	83.88
PSO6	Apply knowledge of Mathematics, in all the fields of learning including higher research and its extensions.	83.97

*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	100
CO2	To analyze and demonstrate examples of subgroups, normal subgroups and quotient groups.	80
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.	90

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	100
CO4	Understand the details of series of real numbers ,tests for convergence	90
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	80
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.	100

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	80
CO4	Learn in depth sequences and series , uniform convergence of power series and entire functions	90
CO5	Learn in detail with examples-linear fractional transformations, cross ratio, symmetry, confirmal mapping, evaluate definiteintegrals	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. Shilpa N

Algebra II	CO1	Assess properties implied by the definitions of rings	100
	CO2	Analyze and demonstrate examples and properties of ideals and quotient rings	80
	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	80
	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	90

Course Title: Ordinary and Partial Diffrential Equations **Course 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 emphansizes the rigorous ustification of methods for approximating solutions in pure and applied mathematics by using power sreies method some polyniomals.	80
	CO3	Recognize the major classification of PDEs and the qualitative differences between the classes of equations	90
	CO4	Be competent in solving linear PDEs using classical solution methods.	90
	CO5	Theory of differential equations is widely used in formulating many fundamental	100
		laws of physics and chemistry.	

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	80
	CO4	Specify the characteristics of trees, centers, and centroids, spanning tree	90
	CO5	Identify the details of connectivity and the line connectivity, coverings, independence	100

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.	100
	CO2	Understand the approximation of continuous functions on linear spaces	90
	CO3	Understand concepts of Hilbert and Banach spaces	90
	CO4	Understand the definitions of linear functional and prove the Hahn-Banach theorem, open mapping theorem, uniform boundedness theorem, etc.	80
	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	80
	CO2	Learn in depth with closed set and limit point, continuous functions(defined in terms of open sets)	90
	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	90
	CO5	Deliberate the characteristics of compact spaces, compact sets on the real line, limit point compactness, local compactness	80

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	80
	CO2	Define and interpret the concepts of Arithmetical Functions and Dirichlet product of Arithmetical functions	90
	CO3	Provide precise definitions and appropriate examples and counter examples of Representation of a number by two or four squares, Fibonnaci and perpect number	100
	CO4	Know the continued fractions	90

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.	90
	CO6	Study the properties of trees and matrix of a graph	80

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	90
	CO4	Learn in details with examples, functions of bounded variation, differentiation of an integral, absolute continuity	80
	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	90
	CO3	Discuss Tychonoff's theorem, local finiteness, Paracompactness	100
	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.N Ravikumar

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	80

JSS COLLEGE OF ATRS, COMMERCE AND SCIENCE
OOTY ROAD MYSURU-25
PG PHYSICS

COURSE	COURSE CODE	COID	CO'S	ATTAINMENT (%)
Classical Mechanics	PHY101	CO1	Deliberate the characteristics of Mechanics of a system of particles	68.00
		CO2	Specify in depth The Lagrangean method	78.57
		CO3	Learn in details with examples Central forces	94.64
		CO4	Write down the details of Hamilton's equations	83.93
		CO5	Deliberate the characteristics of Canonical transformations	78.57
Mathematical Methods of Physics 1	PHY102	CO1	Specify the characteristics of Curvilinear coordinates and Tensors	65.0
		CO2	Write down in depth Tensors	78.7
		CO3	Learn in details with application, if applicable, Differential equations, Hermite function and Laguerre functions	69.0
		CO4	Write down the details of Special functions	90
		CO5	Write down in details with application, if applicable, Bessel functions	78.5
Mathematical Methods	PHY103	CO1	Understand the classification and characteristics of Linear vector space	66.2

of Physics 2		**CO2**	**Specify the characteristics of Linear representations of groups**	**64.1**
		CO3	**Deliberate in details with application, if applicable, Rotation group**	**69.0**
		CO4	**Understand the details of Fourier transforms**	**98**
		CO5	**Understand in details with examples Integral equations**	**68.4**
Optics, Classical Electrodynamics, Plasma Physics	**PHY104**	**CO1**	**Write down in details with examples Electric multipole moments**	**67,3**
		CO2	**Deliberate the characteristics of Potential formulation**	**68**
		CO3	**Specify in details with application, if applicable, Fields of moving charges and radiation**	**98,0**
		CO4	**Learn the characteristics of Radiating systems**	**69**
		CO5	**Learn the details of Relativistic electrodynamics**	**87.5**
Continuum Mechanics and Relativity	**PHY201**	**CO1**	**Write down the details of Continuum mechanics of solid media**	**67**
		CO2	**Understand the characteristics of Fluid mechanics**	**68**
		CO3	**Deliberate in details with examples Minkowski space-time**	**94**
		CO4	**Specify the classification and characteristics of Relativistic mechanics of a material particle**	**53**
		CO5	**Specify the characteristics of Einstein's equations**	**94**
Thermal Physics	**PHY202**	**CO1**	**Identify the classification and characteristics of Thermodynamics Preliminaries**	**63**

		CO2	Deliberate in depth Entropy	71.4
		CO3	Specify in depth Phase equilibria	94.6
		CO4	Deliberate the characteristics of Classical Statistical Mechanics	76.7
		CO5	Deliberate the classification and characteristics of Quantum Statistical Mechanics	83.9
Quantum Mechanics 1	PHY203	CO1	Understand in depth The wave function and uncertainty Principle	69.4
		CO2	Specify in depth Formalism of quantum mechanics	85,7
		CO3	Understand the details of Schrodinger equation in one dimension	92.8
		CO4	Deliberate the details of Angular Momentum	85.7
		CO5	Understand in depth Schrodinger equation in three dimensions	87.5
Spectroscopy and Fourier Optics	PHY204	CO1	Specify the details of Atomic spectroscopy	87.5
		CO2	Identify in details with application, if applicable, Nuclear magnetic resonance	95.0
		CO3	Specify in depth Microwave spectroscopy	67.4
		CO4	Specify in depth Infrared spectroscopy	88.5
		CO5	Write down in details with application, if applicable, Raman spectroscopy	83.9
Quantum Mechanics 2	PHY301	CO1	Learn in details with application, if applicable, The time-independent perturbation theory	98.33

		CO2	Learn the characteristics of The Variational Principle	67.56
		CO3	Understand in details with application, if applicable, WKB Approximation	66.83
		CO4	Deliberate in details with examples Adiabatic approximation	88.33
		CO5	Deliberate in details with application, if applicable, Time-dependent perturbation theory	70.00
Condensed Matter Physics	PHY302	CO1	Write down the classification and characteristics of X-ray crystallography	96.67
		CO2	Identify in details with examples Atomic scattering factor	88.33
		CO3	Specify in details with examples Electron and neutron diffraction	93.33
		CO4	Identify in details with examples Crystal growth techniques	88.33
		CO5	Learn the details of Disordered materials	90.00
Nuclear and Particle Physics	PHY303	CO1	Specify in details with application, if applicable, Properties of the Nucleus	96.67
		CO2	Learn in details with application, if applicable, Nuclear Models	98.33
		CO3	Specify the characteristics of Nuclear reactions	96.67
		CO4	Deliberate in depth Nuclear decay modes	51.67
		CO5	Understand the classification and characteristics of Interaction of nuclear radiation with matter	85.00
Solid State Physics 1	PHY304	CO1	Specify in details with application, if applicable, basic concepts of properties of Solid	90.00

		CO2	Deliberate in details with application, if applicable, Dielectrics; Properties and classification	93.33
		CO3	Specify the classification and characteristics of Ferroelectrics; Properties and classification	90.00
		CO4	Specify the characteristics of thermal and vibrational properties of solids	80.00
		CO5	Learn the characteristics of tight-binding approximation	83.33
Nuclear Physics 1	PHY305	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	96.77
		CO5	Identify the classification and characteristics of Nilsson model	100
Solid State Physics 2	PHY401	CO1	Learn the details of X-ray diffraction by crystals	90.00
		CO2	Identify the details of Experimental techniques	87.00
		CO3	Deliberate in depth Structure analysis	68.00
		CO4	Learn the classification and characteristics of Particle Size study of Fibre structure	68.00
		CO5	Specify in depth Imperfections in solids	67.00

Solid State Physics 3	**PHY402**	**CO1**	**Write down in details with application, if applicable, Free electron theory of metals**	**100.00**
		CO2	**Identify the characteristics of Electrical conductivity**	**67.00**
		CO3	**Deliberate in details with examples Hall effect**	**96.67**
		CO4	**Write down the classification and characteristics of Elemental and Compound Semiconductors**	**68.00**
		CO5	**Deliberate in details with application, if applicable, Carrierconcentrations**	**73.33**
Nuclear Physics 2	**PHY403**	**CO1**	**Write down the details of nuclear fission**	**96.77**
		CO2	**Write down in details with application, if applicable, Neutron transport equation using elementary diffusion theory**	**96.77**
		CO3	**Specify the details of Fermi age theory**	**96.77**
		CO4	**Specify in depth homogeneous reactor**	**96.77**
Nuclear Physics 3	**PHY404**	**CO1**	**Write down the details of Deuteron**	**66.00**
		CO2	**Understand in details with application, if applicable, Deuteron magnetic and Quadrupole moments**	**74.00**
		CO3	**Understand the details of Nucleon-nucleon scattering processes**	**67.00**
		CO4	**Write down in details with examples Theory of scattering of slow neutrons**	**69.00**
		CO5	**Specify in details with examples Plane wave theory of direct reactions**	**100.00**
Accelerator Physics	**PHY407**	**CO1**	**Specify in details with application, if applicable, ion Source**	**86.15**
		CO2	**Deliberate the details of Alternating gradient machines**	**100.00**

		CO3	Understand the working of Betatron	84.62
		CO4	Learn the details of Ion sources	81.54
		CO5	Write down the characteristics of Townsend theory	89.23
Electronics	PHY413	CO1	Learn analyzing digital and analog devices and circuits	86.15
		CO2	Analyze components associated with digital and analog electronic systems	100.00
		CO3	Demonstrate proficiency in the use of electronic equipment and devices	84.62
		CO4	Assist in the design, operation, and troubleshooting of electronic systems	81.54
		CO5	Analyze electronics devices and circuits using computer simulations	89.23

JSS COLLEGE OF ATRS, COMMERCE AND SCIENCE
OOTY ROAD MYSURU-25
PG DEPARTMENT OF PHYSICS
PO-ATTAINMENT 2020-21

SUBJECT	COID	PO'S	ATTAINMENT (%)
MSc Physics	PO1	Identify, formulate and analyze complex problems using first principles.	95.85
	PO2	A research oriented learning to develop analytical problem-solving approaches.	95.55
	PO3	Understand the basic concepts, fundamental principles and the scientific Theories.	95.31
	PO4	Acquire skills in handling scientific instruments, planning and performing in laboratory experiments	95.59
	PO5	Think creatively in explaining solutions to the problems	95.83

JSS Mahavidyapeetha

JSS College of Arts, Commerce and Science

Ooty Road, Mysuru

Department: PG Kannada

Programme Name: MA Kannada **Programme Code:** MKAN01

Session/Year: 2020-21

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 occassions	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.	**99.43**
CO2	Identify the unique qualities of the authors studied, and compare and contrast them	**95.38**
CO3	Analyze literary works for their structure and meaning	**87.69**
CO4	Able to effectively communicate ideas related to the literary work	**95.38**

Course Title: Prachina Kannada SahithyadaHinnele **Course Code: KNA020**

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

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	**83.85**
CO2	Identify the unique qualities of the authors studied, and compare and contrast them	**97.69**
CO3	Demonstrate knowledge of the style, structure, and content of the assigned literary texts.	**85.38**
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 ChandasinnaAdhyayana **Course Code: KNA030**

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

List of COs

CO ID	CO Statement	%Attainment
CO1	Familiar with Old Kannada Poetry	**99.43**
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: VimarsheyaAdhyayana **Course Code: KNA040**

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

List of COs

CO ID	CO Statement	%Attainment
CO1	Creates opportunity to nurture their ability to produce literary texts.	**99.23**
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: BashavignanadaMulatatvagalu **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	**99.43**
CO2	Able to understand the concepts, theories, and methodologies used by linguists	**95.38**
CO3	Helps in qualitative and quantitative analyses of linguistic structure, and patterns of language use.	**87.69**
CO4	Developes a significant capacity for adaptation and the ability to question and engage in professional practice	**95.38**

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	**94.62**
CO4	Able to analyze and interpret texts.	**96.15**

Course Title: Madhyakaleena Kannada SahithyaHinnele **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	**100**
CO3	Helps to Identify the key elements that are distinctive to the artistic achievement of early modern writers.	**94.31**
CO4	Reflect and write analytically about the literary texts and their contexts.	**93.08**

Course Title: DravidaBashavijyayana **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	**93.85**
CO2	Delevope the skill to write in traditional form	**96.15**
CO3	Acquire knowledge to analyse Old Kannada Literature	**94.62**
CO4	Able to make the comparitive analysis of Dravidian Literature	**96.15**

Course Title: Kannada Vimarshe :AydaLekhanagalu **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 VyakarangalaThoulanikaSamikshe **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 SamskurthiChinthane **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	Understnand and adopot 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: ThulanikaSahithya :KavyamattuNataka **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	**98.21**
CO2	Analyze literary works from various genres for their structure and meaning, using correct terminology	**87.50**
CO3	Develop multi-dimensional characters	**92.86**
CO4	Help to interact, with other cultural forms of literature.	**89.29**

Course Title: Adunika Kannada SahithyadaHinnele **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: BharatiyaKavyaMimamse **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: SamashodanavidyanamattuGanakaGyana **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	**88.89**
CO2	Understand the historical background of Kannada Research	**92.59**
CO3	Learn to utilize the application of the computers	**88.89**
CO4	Learn the application of computers in Social media	**95.19**

Course Title: UpabashaVijyayana **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.	**100.00**
CO2	Understand the diverse theams according to period.	**85.19**
CO3	Create interest to opt these in their research work.	**100.00**
CO4	Motivate young writers.	**97.78**

Course Title: PacshatiyaKavyaMimamse **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: SamuhaMadyama **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: AvadikaKarya **Course Code: KND040**
Name of Course In-charge/Coordinator: Dr. Sudeep B S

List of COs

CO ID	CO Statement	%Attainment
CO1	Undrstand the research methodology.	**100.00**
CO2	Implement the knowledge in their project work.	**100.00**
CO3	Learn editing skills.	**93.10**
CO4	Helps to pursue doctoral research.	**96.55**

Course Title: Kannada BashaSwaroopa :Patya **Course Code: KND210**

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

List of COs

CO ID	CO Statement	%Attainment
CO1	Developthe ability to analyse and interpret all aspects of language phenomena	**100.00**
CO2	Able to understand the concepts, theories, and methodologies used by linguists.	**89.50**
CO3	Helps in qualitative and quantitative analyses of linguistic structure, and patterns of language use.	**97.10**
CO4	Developes a significant capacity for adaptation and the ability to question and engage in professional practice	**96.50**

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: 2020-21

List of POs & PSOs

POID	PO Statement	%Attainment (Overall)*
PO1	Develop the capacity to undertake Research	71.4
PO2	Develop the skills and capacities to work in a multidisciplinary team	75.2
PO3	Develop the capacity to project self as a professional	66.2
PO4	Equipped with the knowledge of Social dynamism	62.7
PO5	Equipped to work in various fields of Social Work	60.3
PO6	Imbibed with the core values and principles of Social Work	61.0
PSO1	Equip to work in the Community Development Programmes	59.2
PSO2	Develop the capacity to work in the field of Human Resource as Labour Welfare Officers, HR Executives and liaison officers	59.2
PSO3	Develop the skill to work as medical and psychiatric social workers	61.4
PSO4	Equip with the skill to work in family and Child Welfare Centres	59.3
PSO5	Develop the capacity to work in correctional settings	61.8

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	65.5
CO2	Understand in depth Values and principles of Social work	61.00
CO3	Deliberate the details of Contemporary Ideologies for Social change	66.5
CO4	44731 Learn the details of Western Ideologies for Social Change and History of Social Work	62.5

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 wok as method of Social Work	58.7
CO2	Learn in detail the Values and principles of Social Case work	59.3
CO3	Learn the details of theories and process of Casework	74.1
CO4	Specify in depth application of Social Case work in different settings	69.2

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	69.2
CO2	Learn the process of Group Work	61.4
CO3	Understand in depth Group dynamics and skills in group work	62.1

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	60.5
CO2	Learn in depth models and strategies of Community Organization	67.3
CO3	Understand the skills of Community organize	62.4
CO4	Understand in depth Micro and macro policies of community Organizaion	59.1

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	62.3
CO2	Understand the details of Developmental stages of Human Life span	63.5
CO3	Understand the theories of Human Development and learning	65.1
CO4	Understand the theories of Basic Human Needs, motivation, Personality	58.3

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	63.2
CO2	Understand in detail the Process of Social Work Research	58.4

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	62.3
CO3	Understand the process of Management	59.6
CO4	Learn in detail the concepts of Programme Development and Public Relations	70.0

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	63.2
CO2	Learn the use of Visual aids in communication	65.3
CO3	Understand the counselling situations and approaches	61.9
CO4	Understand self and developing self awareness	62.3
CO5	Understand the details of emotions and emotional expressions	61.4
CO6	Understand in depth life skills	66.2
CO7	Identify in depth Values, attitudes and professional ethics	69.0

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	60.2
CO2	Learn the process of Group Work	62.00
CO3	Understand in depth Group dynamics and skills in group work	61.00

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	60.7
CO2	Specify the characteristics of social movements in India	61.5

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	67.4
CO2	Understand the policies, sources and methods of talent acquisition	61.2
CO3	Deliberate in details with examples Compensation Management	58.9
CO4	Deliberate the changing scenario of strategic Human Resource Management	64.7

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	61.4
CO2	Understand group dynamics and organization development	59.5
CO3	Deliberate in depth on organizational change, stress and burnout	63.3

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	60.4
CO2	Learn in details with application Medical Social Work and Rehabilitation of Patients	58.4

Course Title: Social Policy, Planning and Development **Course Code: SWC 040**

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

List of COs

CO ID	CO Statement	%Attainment
CO1	Understand in detail concept and purpose of social policies and values underlying social policy	58.4
CO2	Learn in detail Sectoral policies in India	63.1
CO3	Learn the social planning process	67.2
CO4	Learn in detail the concept of social development and Indicators of development	65.2

Course Title: Legal System in India **Course Code: SWC 050**

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

List of COs

CO ID	CO Statement	%Attainment
CO1	Learn in depth concept of social justice and understanding of Rights	61.4
CO2	Understand the divisions of law and chapters under IPC and CRPC	60.1
CO3	Understand the details of structure and functions of District Court, High Court and Supreme Court	59.4

Semester: IV

Course Title: Employee Relations and Legislations **Course Code: SWD 010**

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

List of COs

CO ID	CO Statement	%Attainment
CO1	Identify in details with application concept, philosophy and principles of employee relations	62.2
CO2	Deliberate on functioning of trade unions in India	60.4
CO3	Learn the employee legislations	59.2
	Understand in depth process of collective bargaining	66.1

Course Title: Mental Health and Psychiatric Social Work **Course Code: SWD 020**

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

List of COs

CO ID	CO Statement	%Attainment
CO1	Learn the details of concept of Mental Health, Mental Illness and its classification	65.1
CO2	Understand the concept of psychiatric Social Work and Multidisciplinary approach and team work	60.8
CO3	Learn about the institutional care of mentally ill and role of social workers	56.8
CO4	Understand the psycho social rehabilitation and legislations related to mental Health	66.7

Course Title: Human Resource Development and Employee Wellness **Course Code: SWD 030**

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	61.1
CO2	Deliberate in depth on HRD Interventions	60.7
CO3	Learn in details with examples concept and importance of talent development	62.4
CO4	Deliberate on employee wellness and standardization of systems	59.1

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	56.6
CO2	Understand in details on the different concepts of psychology	58.2
CO3	Specify the characteristics of mental health and mental disorders	51.2

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	63.4
CO2	Specify the characteristics of social movements in India	61.1

JSS Mahavidyapeetha

JSS College of Arts, Commerce and Science (Autonomous)

Ooty Road, Mysuru - 570025

Outcome Attainments 2020-21

Department: **KANNADA** Programme: **BA** Programmer

Name:Dr.M.SOWMYA

PO Attainment

Programme Code: **BA23 (CBCS)**

POID	PO	80 % Attainment	20 % Attainment	OVERALL ATTAINMENT
BA231	DEVELOP HUMAN VALUES & A SENSE OF SOCIAL SERVICE	**48.888%**	**15.999%**	**64.221%**
BA232	BECOME A RESPONCIBLE & DUTIFUL CITIZEN	**51.110%**	**18.333%**	**69.443%**
BA233	ABLE TO ENHANCE CRITICAL TEMPER & CREATIVE ABILITY	**40.110%**	**17.666%**	**57.776%**
BA234	UNDERSTAND & APPRECIATE RELATIONSHIP BETWEEN MAN AND ENVIRONMENT	**36.666%**	**16.666%**	**53.332%**
BA235	TO READ & INTERPRIT ,GENERATE MAPS AND OTHER GEOGRAPHIC REPRESENTATIONS	**54.666%**	**15.499%**	**70.165%**
BA236	UNDERSTAND PHYSICAL-GEOGRAPHIC PROCESS, THE GLOBAL DISTRIBUTION OF LANDFORMS AND ECOSYSTEMS	**44.221%**	**16.666%**	**60.887%**
BA237	ROLE OF THE PHYSICAL ENVIRONMENT ON HUMAN POPULATION	**43.444%**	**15.333%**	**58.777%**

JSS MAHAVIDYAPEETHA

JSS College of Arts, Commerce and Science (Autonomous)

Ooty Road, Mysuru - 570025

Outcome Attainments 2020-2021

Department: History **Program: BA**

Program Code: BA24

PO ID	PO	Overall Attainment
BAHE24P01	Critically recognize the social, political, economic and cultural aspects of History	80.13
BAHE24P02	Demonstrate thinking skills by analyzing, synthesizing, and evaluating historical information from multiple sources	79.72
BAHE24P03	Correctly extract evidence from primary sources by analyzing and evaluating them in relation to their cultural and historical context	77.36
BAHE24P04	Develop an informed familiarity with multiple cultures	80.55
BAHE24P05	Emerge as a multifaceted personality who is self-dependent	78.75
BAHE24P06	Spread the messages of equality, nationality, social harmony and other human values	81.66
BAHE24P07	Comprehend the basic structures and processes of government systems and/or theoretical underpinnings	79.30
BAHE24P08	Analyze political problems, arguments, information, and/or theories	79.36
BAHE24P09	Apply methods appropriate for accumulating and interpreting data applicable to the Discipline of political science & English	76.52
BAHE24P10	Acquire the ability to engage in independent and life-long learning in the broadest context socio-technological changes	79.72

JSS MAHAVIDYAPEETHA

JSS College of Arts, Commerce and Science (Autonomous)

Ooty Road, Mysuru - 570025

Outcome Attainments 2020-2021

Department: History **Program: BA**

Program Code: BA24

Course Title: HISTORY OF ANCIENT INDIA (UPTO 1100AD)

Course Code	COs	Attainment
BAHE24CO1	Familiarise the students of early civilizations. The birth of new religions. Jainism and Budhism and the teachings of Mahaveera and Buddha	100
BAHE24CO2	Discuss ancient republics, establishment of great Empires political land military Adventures of out great rulers	100
BAHE24CO3	Gain knowledge of Economic, Social and religious conditions and education system of Ancient period	100
BAHE24CO4	Inspire the students through the great literary books and contributions to the growth of Art & Architectures	100
BAHE24CO5	Understanding the administration of our great kingdoms and foreign trade and commercial activities are of great values in the development of the state	100

JSS MAHAVIDYAPEETHA

JSS College of Arts, Commerce and Science (Autonomous)

Ooty Road, Mysuru - 570025

Outcome Attainments 2020-2021

Department: History **Program: BA**

Program Code: BA24

Course Title: HISTORY OF KARNATAKA (540-1565)

Course Code	COs	Attainment
BAHE24CO1	Understand the historical growth of Karnataka, sources-Geographical feature and Early kingdom	100
BAHE24CO2	Enable the students to learn the contributions of Chalukyas, Rastrakutas and Hoysalas development of Art and Architecture.	100
BAHE24CO3	Understand the glorious days of Vijayanagara Empire. The developments of Economy, Social and religious life style, contribution, Administration and culture	100
BAHE24CO4	Gain knowledge about Bahamani and Adilshahi's Kingdowm, their contribution to Education and Culture	100
BAHE24CO5	Helpful for the students to understand the policy of Wodeyar and their contributions to the of growth and development of Mysore	100

JSS MAHAVIDYAPEETHA

JSS College of Arts, Commerce and Science (Autonomous)

Ooty Road, Mysuru - 570025

Outcome Attainments 2020-2021

Department: History **Program: BA**

Program Code: BA24

Course Title: HISTORY OF MODERN INDIA (1498-1947)

Course Code	COs	Attainment
BAHE24CO1	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
BAHE24CO2	Develop the knowledge of Consolidation of the British rule regulating Act 1773, subsidiary allianace, doctrine of lapse and land revenue policies	100
BAHE24CO3	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
BAHE24CO4	Gain knowledge about foundation of Indian National congress. Role of moderates, extremists and Ghandhian era., to the students	100

JSS MAHAVIDYAPEETHA

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

Outcome Attainments 2020-2021

Department: History **Program: BA**
Program Code: BA24
Course Title: HISTORY OF MODERN ASIA (1900-1990)

Course Code	COs	Attainment
BAHE24CO1	Analyze the progress of Asian countries like China and Japan from insular nations to their present Dynamic position	100
BAHE24CO2	Understand to trace their role in world affairs in the last 3 decades of the 20th Century	100
BAHE24CO3	Develop the knowledge about diverse countries of the region and provide an insight into the historical background	100
BAHE24CO4	Evalute the basics of colonization and decolonization and analyse the areas of conflict in this vital region. Historical background of Iran, Arabs and Jews. Rise and growth of Arab nationalism, Zionist movement	100

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

Outcome Attainments 2020-2021

Department: History **Program: BA**
Program Code: BA24
Course Title: HISTORY OF MODERN EUROPE (1789-1945)

Course Code	COs	Attainment
BAHE24CO1	Enrich the knowledge to understand Europe before French revolution	100
BAHE24CO2	Europe of to-day which occupies a place of vital importance in world affairs	100
BAHE24CO3	learn the major events that challenged the life style of the people of Europe and their governments	100
BAHE24CO4	Acquire knowledge about the age of revolutions and the slogan of liberty equality and fraternity	100
BAHE24CO5	Understand the role played by the dictators and causes and impacts of World Wars	100
BAHE24C06	Know the establishment of UNO and its Aims, Objectives and structures	100

JSS MAHAVIDYAPEETHA

JSS College of Arts, Commerce and Science (Autonomous)

Ooty Road, Mysuru - 570025

Outcome Attainments 2020-2021

Department: History **Program: BA**

Program Code: BA24

Course Title: INDIA AND CONTEMPORARY WORLD (1947-2000)

Course Code	COs	Attainment
BAHE24CO1	Gain knowledge about the Birth of Indian Republic, Economic Development under Nehru	100
BAHE24CO2	Foreign Policy of India and major crisis in India	100
BAHE24CO3	Understand & update knowledge on contemporary, issues and challenges	100
BAHE24CO4	Understand the concepts of state and power in International relations	100
BAHE24CO5	Conceptualize the Relations between India and other countries Alliances.	100

JSS College of Arts, Commerce and Science (Autonomous)

Ooty Road, Mysuru - 570025

Outcome Attainments 2020-21

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.	86.67
BA252	Create a design emerging audio media production.	81.11
BA253	Conceptualize, create, design and strategies high-quality media content for various digital platforms.	83.33
BA254	Appreciate and demonstrate the ability to produce reliable outcome.	80.56
BA255	Demonstrate critical reading, writing and thinking skills.	78.89
BA256	Locate, evaluate, organize and incorporate information effectively.	78.89
BA257	Develop and carry out research project.	78.89
BA258	Demonstrate competence in Standard English Language and usage in documentation.	77.78

CO Attainment

Course Title: Media Industry and Manangement

CO ID	CO	%Attainment
FLC270251	Become a owner of the media house.	100%
FLC270252	Become an Administrator of CEO	100%
FLC270253	Become as TRP agent	100%
FLC270254	Assistance for media management industry	100%
FLC270255	To set up the newspaper industry.	100%

Course Title: Reporting and Editing Techniques

CO ID	CO	%Attainment
FLE270251	Prepare news copy	100%
FLE270252	Specialize as fashion reporter	100%
FLE270253	Prepare news copy and editing	100%
FLE270254	Become Freelance journalist	100%
FLE270255	Develop skills for news writing.	100%

Course Title: Indian Applied Journalism

CO ID	CO	%Attainment
FLE270741	Become news reporters and stringers.	100%
FLE270742	Become circulation manager.	100%
FLE270743	Become script writer.	100%
FLE270744	Gain knowledge about the birth and growth of Indian Media Industry.	100%

Course Title: Practice of Advertising and Public Relation

CO ID	CO	%Attainment
FLF270251	Setup advertising agency.	100%
FLF270252	Prepare the advertising copy for print.	100%
FLF270253	Become script writer-marketing research	100%
FLF270254	Become PRO and event campaigner.	100%

Course Title: Introduction to New Media

CO ID	CO	%Attainment
ELF270741	Become a video journalist	100%
ELF270742	Become a cinema story writer	100%
ELF270743	Become audio/video editor	100%
ELF270744	Become digital content editor	100%
ELF270745	Become sound mixer and film maker.	

JSS COLLEGE OF ARTS, COMMERCE & SCIENCE, OOTY ROAD, MYSORE-25
(AUTONOMOUS)

UG DEPARTMENT OF ECONOMICS

OUTCOME ATTAINMENT 2020-21

Name of the Department: ECONOMICS
Programme offered: BA
Programme code : EG-31

I Semester Course code: ELA210

Course title	CO ID	CO	% Attainment
PRINCIPLES OF MICRO ECONOMICS-I	CO1	Understand in details with examples Concepts of Micro and Macro Economics.	100
	CO2	Deliberate in depth Law 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
	CO6	Understand the details of meaning and types of markets	100

PO-ID	PO After completion of your study in the college:	Attainment
PO1	Students will be able to understand economic vocabulary, methodologies, tools andanalysis procedures.	75
PO2	Students will be familiar with the knowledge and application of micro economics for the formulation of policies and planning.	66.66667
PO3	Students will learn to apply economic theories and concepts to contemporary socialissues, as well as analysis of policies.	66.66667
PO4	Students will be able to understand the impact of government policies and will be ableto assess the consequences of the policies on the parties involved.	77.77778
PO5	As the programme along with economics contains like statistics, mathematics, it enhances them to compute and assess the real situation of the economy including the size and changes of population, income pattern, and rate of development with pattern ofsavings and investments and social security measures adopted in the country.	100
PO6	Understand the basics of Quantitative techniques their applications	66.66667
PO7	Critically evaluate the ongoing economic developments in India and abroad	83.33333
PO8	Understand research methods in economics	66.66667
PO9	Student develops an awareness of career choices and the option for higher studies.	66.66667

III Semester Course code: ELC210

Course title	CO ID	CO	% Attainment
PRINCIPLES OF MACRO ECONOMICS-I	CO1	Identify in details with examples Key variables of Macro Economics.	100
	CO2	Understand in details with examples Concepts of National Income.	100
	CO3	Identify the characteristics of Keynesian Macro Economics.	100
	CO4	Identify the characteristics of Demand for Money.	100
	CO5	Deliberate in depth Liquidity Theory of money.	100
	CO6	Identify in details with application, if applicable, Concepts of Micro and Macro Economics.	100

PO-ID	PO After completion of your study in the college:	Attainment
PO1	Students will be able to understand economic vocabulary, methodologies, tools andanalysis procedures.	66.66667
PO2	Students will be familiar with the knowledge and application of micro economics for the formulation of policies and planning.	80
PO3	Students will learn to apply economic theories and concepts to contemporary socialissues, as well as analysis of policies.	73.33333
PO4	Students will be able to understand the impact of government policies and will be ableto assess the consequences of the policies on the parties involved.	66.66667
PO5	As the programme along with economics contains like statistics, mathematics, it enhances them to compute and assess the real situation of the economy including the size and changes of population, income pattern, and rate of development with pattern ofsavings and investments and social security measures adopted in the country.	83.33333
PO6	Understand the basics of Quantitative techniques their applications	66.66667
PO7	Critically evaluate the ongoing economic developments in India and abroad	66.66667
PO8	Understand research methods in economics	66.66667
PO9	Student develops an awareness of career choices and the option for higher studies.	66.66667

V Semester Course code: ELE210

Course title	CO ID	CO	% Attainment
ECONOMICS OF DEVELOPMENT	CO1	Learn in depth Understand the concept of Economic development and factors affect Development.	100
	CO2	Deliberate in details with examples Differentiate Economic development and growth.	100
	CO3	Identify the characteristics of Demographic Trends.	100
	CO4	Specify in depth Harrod -Domar Growth Model. Understand the classification and characteristics of Endogenous Growth theory.	100
	CO5	Identify the details of Poverty Eradication Measures.	100
	CO6	Learn in depth Understand the concept of Economic development and factors affect Development.	100

PO-ID	PO After completion of your study in the college:	Attainment
PO1	Students will be able to understand economic vocabulary, methodologies, tools andanalysis procedures.	75
PO2	Students will be familiar with the knowledge and application of micro economics for the formulation of policies and planning.	66.66667
PO3	Students will learn to apply economic theories and concepts to contemporary socialissues, as well as analysis of policies.	66.66667
PO4	Students will be able to understand the impact of government policies and will be ableto assess the consequences of the policies on the parties involved.	77.77778
PO5	As the programme along with economics contains like statistics, mathematics, it enhances them to compute and assess the real situation of the economy including the size and changes of population, income pattern, and rate of development with pattern ofsavings and investments and social security measures adopted in the country.	100
PO6	Understand the basics of Quantitative techniques their applications	66.66667
PO7	Critically evaluate the ongoing economic developments in India and abroad	77.77778
PO8	Understand research methods in economics	77.77778
PO9	Student develops an awareness of career choices and the option for higher studies.	66.66667

VI Semester Course code: ELF210

Course title	CO ID	CO	% Attainment
INDIAN ECONOMY	CO1	Understand the characteristics of Indian Agricultural policies.	100
	CO2	Identify the classification and characteristics of Regional variation.	100
	CO3	Write down the classification and characteristics of New Industrial Policy.	100
	CO4	Identify in depth Monetary Policy.	100
	CO5	Understand in depth FDI and WTO.	100
	CO6	Identify the details of Effects of Parallel Economy.	100

PO-ID	PO After completion of your study in the college:	Attainment
PO1	Students will be able to understand economic vocabulary, methodologies, tools andanalysis procedures.	75
PO2	Students will be familiar with the knowledge and application of micro economics for the formulation of policies and planning.	66.66667
PO3	Students will learn to apply economic theories and concepts to contemporary socialissues, as well as analysis of policies.	66.66667
PO4	Students will be able to understand the impact of government policies and will be ableto assess the consequences of the policies on the parties involved.	77.77778
PO5	As the programme along with economics contains like statistics, mathematics, it enhances them to compute and assess the real situation of the economy including the size and changes of population, income pattern, and rate of development with pattern ofsavings and investments and social security measures adopted in the country.	77.77778
PO6	Understand the basics of Quantitative techniques their applications	77.77778
PO7	Critically evaluate the ongoing economic developments in India and abroad	77.77778
PO8	Understand research methods in economics	66.66667
PO9	Student develops an awareness of career choices and the option for higher studies.	66.66667

Overall PO & CO Attainment

PO-ID	PO After completion of your study in the college:	Attainment
PO1	Students will be able to understand economic vocabulary, methodologies, tools andanalysis procedures.	**78.33333**
PO2	Students will be familiar with the knowledge and application of micro economics for the formulation of policies and planning.	**76**
PO3	Students will learn to apply economic theories and concepts to contemporary socialissues, as well as analysis of policies.	**74.66667**
PO4	Students will be able to understand the impact of government policies and will be ableto assess the consequences of the policies on the parties involved.	**76.66667**
PO5	As the programme along with economics contains like statistics, mathematics, it enhances them to compute and assess the real situation of the economy including the size and changes of population, income pattern, and rate of development with pattern ofsavings and investments and social security measures adopted in the country.	**92.22222**
PO6	Understand the basics of Quantitative techniques their applications	**72.22223**
PO7	Critically evaluate the ongoing economic developments in India and abroad	**81.11111**
PO8	Understand research methods in economics	**75.55556**
PO9	Student develops an awareness of career choices and the option for higher studies.	**70.00001**

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: 2020-21

List of POs

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.	62.3
PO2	Develop state-of-the-art laboratory skills and professional communication skills.	56.8
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.	48
PO4	Demonstrate an understanding of fundamental biochemical principles, structure and biological function of biomolecules, metabolic pathways and their regulation.	56
PO5	Work as a laboratory technician, biochemists or medical scientist	Covid-19
PO6	Possess knowledge of ethical practices in science.	Covid-19
PO7	Describe/ explain the processes used by microorganisms for their replication, survival, and interaction with their environment and host populations.	79.3
PO8	Explain the theoretical basis of the tools, technologies and methods common to microbiology.	71.9
PO9	Apply the scientific method as a demonstration that they understand its application furthering our knowledge of the microbial world.	56.87
PO10	Design and develop solution to Biotechnology problems by applying appropriate tools while keeping in mind safety factor for environmental & society.	72.5
PO11	Create, select, and apply appropriate techniques, resources, and modern tools including prediction and modelling to different activities with an understanding of the limitations.	84
PO12	Support biotechnology research activity with strong technical background knowledge.	83

Course Title: INTRODUCTION TO MICROBIOLOGY AND MICROBIAL DIVERSITY
Course Code:DMA28006 & 28007
Name of Course In-charge/Coordinator: Dr.M.Seema
List of CO

CO ID	CO Statement	%Attainment
CO1	Gain basic knowledge about Microbiology starting from history to Microorganisms. Gain basic knowledge about Microbiology starting from history to Microorganisms	57.6
CO2	Learn about the taxonomical classification of Microbes.	54.14
CO3	Understand the basic microbial structure, function and study of the comparative characteristics of prokaryotes and eukaryotes	50
CO4	Understand the structural similarities and differences among various physiological groups of fungi, protozoa and algae	54.7
CO5	Know how viruses are classified and understand the structure of viruses And the replication strategies of representative viruses	36.22

Course Title: BACTERIOLOGY **Course Code:DMB28006 &28007**

COVID 19

Course Title: MICROBIAL PHYSIOLOGY AND METABOLISM **Course Code: DMC28006 & 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.	73.07
CO2	Understand the microbial transport systems and microbial metabolism	56
CO3	Know the microbial growth in response to environmental factors.	50
CO4	Get equipped with various methods of bacterial growth measurement	52.5
CO5	Knowledge of properties, structure, function of enzymes, enzyme kinetics and thei regulation	55.6

Course Title: MICROBIAL GENETICS AND GENETIC ENGINEERING
Course Code: DMD28006 & 28007

COVID 19

Course Title: ENVIRONMENTAL SCIENCE
Course Code: DME28006 & 28007
Name of Course In-charge/Coordinator: Dr.H.P.Spoorthy
List of CO

CO ID	CO Statement	%Attainment
CO1	The role of microorganisms in soil, air, water, waste water and bioremediation.	88.33
CO2	Know about the diversity of microorganism and microbial communities inhabiting a wide range of ecological habitats.	88.6
CO3	Learn the occurrence, abundance and distribution of microorganisms in the environment and their role in the environment	61.1
CO4	Understand various biogeochemical cycles – Carbon, Nitrogen, Phosphorus cycles etc. and microbes involved in these cycles.	61.6
CO5	Understand various plant microbes interactions especially rhizosphere, phyllosphere and mycorrhizae andtheir applications especially the biofertilizers and their mass production.	92
CO6	The various methods to determine the Sanitary quality of water and sewage Treatment methods employed in waste water treatment	43.66

Course Title: INDUSTRIAL, FOOD AND MEDICAL MICROBIOLOGY
Course Code: DMF28006 & 28007
Name of Course In-charge/Coordinator: Dr. M Seema
List of CO

CO ID	CO Statement	%Attainment
CO1	Understand food related microorganisms, their contamination, spoilage and preservation .	85
CO2	Understand the beneficial role of microorganisms in fermented dairy products	88.6
CO3	Understand how microbiology is applied in manufacture of industrial products	58.6
CO4	The underlying principles in downstream processing	63.3
CO5	Know the human immune response towards microbes, Know the relationship between microorganism and human disease, pathogenicity, Laboratory diagnosis, treatment and prophylaxis Demonstrate an understanding of key concepts in immunology	41.6

Course Title: MICROBIAL DIAGNOSIS IN HEALTH CLINICS
Course Code: DMF28206 & 28207
Name of Course In-charge/Coordinator: Dr.M.Seema
List of CO

CO ID	**CO Statement**	%Attainment
CO1	Gain experience in health clinics such as examination, collection of clinical samples and diagnosis	**87**
CO2	Demonstrate scientific quantitative skills, the ability to evaluate experimental design, read graphs.	**81**

JSS College of Arts, Commerce and Science

Ooty Road, Mysuru

Department: COMMERCE AND MANAGEMENT

Programme Name: B.COM **Programme Code:**

Session/Year 2020-21

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 designed in the curriculum		

Course Title: Business Organisation and Management **Course Code: ENA 220**

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.	95
CO3	Compare and chose the different types of motivation factors and leadership styles.	95
CO4	Choose the best controlling techniques for better productivity of an organisation	100
Or as designed in the curriculum		

Course Title: Banking and Insurance **Course Code: ENA 230**

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	Understand the basic concepts of Banking	100
CO2	Judge the impact of schemes of banks on self employment	95
CO3	Analyse the the present scenario of banking services	89
CO4	Analyse the the present scenario of Insurance services	76
Or as designed in the curriculum		

Course Title: Cost Accounting **Course Code: ENB 210**

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	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.	89
CO4	Prepare cost sheet & discuss cost allocation under ABC.	76
Or as designed in the curriculum		

Course Title: Financial Accounting -II **Course Code: ENB 220**

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 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: Principles of Marketing **Course Code: ENB 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.	100
CO2	Discover the new product development & identify the factors affecting the price of a product in the present context.	95
CO3	Judge the impact of promotional techniques on the customers & importance of channels of distribution.	89
CO4	Outline the recent developments in the field of marketing	76
Or as designed in the curriculum		

Course Title: Principles and Practices of General Insurance **Course Code: ENC 260**

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	Determine the loss exposures of properties, human lives, business operations	100
CO2	Identify the financial consequences because of the occurrence of a loss.	95
CO3	Apply the knowledge of current information, models, and techniques	89
CO4	Practices in all of the major business disciplines.	76
Or as designed in the curriculum		

Course Title: Logistics and supply Chain Management **Course Code: ENC 270**
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	Provide an opportunity for comprehensive analysis	100
CO2	To evaluate the achievement of competitive advantage through logistics framework	95
CO3	Discussion of key contemporary issues and problems in logistics management.	89
CO4	Outline the recent developments in the field of marketing	76
Or as designed in the curriculum		

Course Title: Corporate Accounting - II **Course Code: END 210**
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	Know the procedure of redemption of preference shares.	100
CO2	Comprehend the different methods of Mergers and Acquisition of Companies	97
CO3	Understand the process of internal reconstruction	95
CO4	Prepare the liquidators final statement of accounts.	92
Or as designed in the curriculum		

Course Title: Quantitative Techniques **Course Code: END 230**

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	Recognize the laws and its application in business activities.	100
CO2	Acquire knowledge of business decision models.	97
CO3	Understand in depth Ratio proportion and variation	98
CO4	Learn in depth the the different tools applicable for business decision	95
Or as designed in the curriculum		

Course Title: Consumer Affairs **Course Code: ENE 280**

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 conceptual frame work of consumer and consumer market	97
CO2	Understand in depth the characteristics of consumer protection law in India	98
CO3	Deliberate the details of role played by the advisory bodies at different level	95
CO4	Indentify the grievance redressal mechanism	92
Or as designed in the curriculum		

Course Title: International Business **Course Code: ENE 290**

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 detail about import and export and able to become an importer and exporter	97
CO2	Specify in detail the application of foreign trade policies and analyse how international factors affect domestic concern	98
CO3	Learn in depth and analyse legal issues related to international business	95
CO4	Identify and analyse various social culture and responsibility awareness on global issues	92
Or as designed in the curriculum		

Course Title: GST -I **Course Code: ENE 300**

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	Understand the technology and flow of return filing under GST	97
CO2	Learn in details and gain knowledge to practice as GST Consultant	98
CO3	Learn in details provisions of GST to handle TDS and POS online and off line more efficiently	95
CO4	Understand in depth tax provisions to make managerial decisions effectively in various tax related matters	92
Or as designed in the curriculum		

Course Title: Financial Management -I **Course Code: ENE 310**

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	Identify the details of various sources of finance	97
CO2	Learn the characteristics of different methods of time value of money and its application to investment decision	98
CO3	Learn the classification and characteristics of cost of capital	95
CO4	Identify the characteristics of capital structure and factors affecting the capital structure	92
Or as designed in the curriculum		

Course Title: Advanced Cost and Management Accounting - I **Course Code: ENE 320**

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 various Costing methods	97
CO2	Understand the details of contract costing and process costing	98
CO3	Identify reasons for reconciliation of cost and financial accounts	95
CO4	Learn in depth the details of Activity based costing	92
Or as designed in the curriculum		

Course Title: Retail Management **Course Code: ENE 330**

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 the characteristics of retailing	97
CO2	Understand in depth the details of retail consumer	98
CO3	Identify and basis of retail market segmentation and strategies	95
CO4	Specify the factors determining the retail location selection	92
Or as designed in the curriculum		

Course Title: Entrepreneurship Development **Course Code: ENE 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	Specify in details the different types of entrpreneurs	97
CO2	Identify in detail with examples to easily different financial schemes offered by Banks and Government Agencies	98
CO3	Understand in depth and identify the social responsibility of an entrepreneur towards different sectors	95
CO4	Learn in depth the Self employment opportunities	92
Or as designed in the curriculum		

Course Title: IFRS (IND - AS) **Course Code: ENF 220**

Name of Course In-charge/Coordinator: Asha L

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	97
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	98
CO4	Deliberate the characteristics of IFRS	94
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	100
CO2	Understand the provisions of integrated goods and service Tax Act, 2017	95
CO3	Understand the technology and flow of return filing under GST	89
CO4	Learn in details and gain knowledge to practice as GST Consultant	76
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	100
CO2	Identify the characteristics of capital structure and factors affecting the capital Structure	95
CO3	Learn the characteristics of different methods of time value of money and its strucutre	89
CO4	Learn the details of Capital Budgeting	76
Or as designed in the curriculum		

Course Title: Principles and Practice of Auditing **Course Code: ENF 210**

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	Learn the characteristics of errors and frauds and minimize them in maintenance of books of accounts	100
CO2	Identify the details of audit planning	95
CO3	Learn in depth verification and valuation of Assets and Liabilities	89
CO4	Deliberate in details with examples audit of different types of organizations	76
Or as designed in the curriculum		

Course Title: Business Law **Course Code: ENF 220**

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 characteristics of legal environment and practice business ethics	100
CO2	Learn in depth and apply the basic legal knowledge to business enterprises	95
CO3	Identify and appointed as member of various commerce and legal boards / committee	89
CO4	Specify the details of Information technologies Act	76
Or as designed in the curriculum		

Course Title: Financial Management - II **Course Code: ENF 310**

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	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	89
CO4	Learn in depth the details of shareholders value creation	76
Or as designed in the curriculum		

Course Title: Advanced Cost and management Accounting **Course Code: ENF 320**
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 details of management accounting	100
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	89
CO4	Understand the characteristics of different types of ratios	76
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 **Session/Year 2020-21**

List of POs & PSOs

POID	PO Statement – On successful completion of this Programme, students will be enable 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	Understand and identify the different theories of organisations, which are relevant in the present context.	100
CO2	Design and demonstrate the strategic plan for the attainment of organisational goals.	95
CO3		89
CO4		76

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.	97
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.	100
CO4	Exercise the accounting treatments for consignment transactions & events in the books of consignor and consignee.	97

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.	100
CO2	Analyse marketing environment impacting the business.	98
CO3	Segment the market and understand the consumer behaviour	95
CO4	Enable students learn to media decision	96

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	95
CO2	Ability to describe HRP, Recruitment and Selection process	96
CO3	Ability to describe to induction, training, and compensation aspects.	65
CO4	Ability to explain performance appraisal and its process.	100

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.	100
CO2	Ability to analyse the environmental factors influencing business organisation.	95
CO3	Ability to demonstrate Competitive structure analysis for select industry	96
CO4	Ability to explain the impact of fiscal policy and monetary policy on business.	95

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	100
CO2	The ability to prepare final accounts of joint stock companies.	97
CO3	The ability to prepare and evaluate vertical and horizontal analysis of financial statements	95
CO4	The ability to understand the process of public issue of shares and accounting for the same	94
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.	100
CO2	Understand the elements of costing and preparation of cost sheet	95
CO3	The ability to prepare material requisitions and management of store.	89
CO4	The ability to compare and contrast labour cost techniques.	76
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.	100
CO2	To recall role of OB in business organization.	95
CO3	Able to understand group dynamics in an organization.	89
CO4	Able to understand the change management	76
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	97
CO2	To construct and visualize the data.	96
CO3	To determine the data adequacy for analysis.	95
CO4	To Review the data by using various tools.	97
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.	100
CO2	To Understand and recall ratios and apply the same on given case.	95
CO3	To construct cash flow statement	89
CO4	Should be able to apply Marginal cost rations to make business decisions.	76
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	100
CO2	To identify the goals of financial management.	95
CO3	To appraise the concepts of time value of money.	89
CO4	To understand the different models of dividend policy.	76
Or as designed in the curriculum		

Course Title: Company Law **Course Code: CDE 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	Understand the Memorandum and Articles of Association	100
CO2	Learn the formation of Joint Stock company	95
CO3	Identify the provisions relating to membership of a company	89
CO4	Learn in details company frauds and their preventions.	76
Or as designed in the curriculum		

Course Title: Business Statistics **Course Code: CDE 220**

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		100
CO2		95
CO3		89
CO4		76

Course Title: Tax Management **Course Code: CDE 230**

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 Income Tax Act 1961	100
CO2	Identify the different heads of Income	95
CO3	Identify in detail different sections of I T Act	89
CO4	Understand about Exempted Incomes	76

Course Title: Business Research Methodology **Course Code: CDE 240**
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 the different methods of research	100
CO2	Understand about types of business rearch and design	95
CO3	Learn in depth the various types opf sampling techniques	89
CO4	Understand to report about various issues of different organisations	76

Course Title: Human Resource Management - I **Course Code: CDE 270**
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, Human Resource Management	100
CO2		95
CO3		89
CO4		76

Course Title: Financial Management -I **Course Code: CDE 280**
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 depth the concepts of profit maximisation	100
CO2	Understand and able to identify the source of finance	95
CO3	Understand and able to identify the factors influencing dividend decision	89
CO4	Understand the relevance of dividend policy	76

Course Title: Human Resource Management-II **Course Code: CDE 272**

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	100
CO2	Understand the techniques to manage Human Resource	95
CO3	Learn in depth the objectives and methods of training	89
CO4	Learn in depth the Methods of wage payments	76

Course Title: Financial Management- II **Course Code: CDF 282**

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 and identify the nature and types of working capital	100
CO2	Understand in depth the approaches to financing of current assets	95
CO3	Able to identify the objectives of cash management	89
CO4	Learn in depth and identify cost and benefits of receivables	76

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	100
CO2	Write down the details of financial schemes offered by banks and government agencies and able to access them easily	95
CO3	Learn the details of mobilization of resources	89
CO4	Learn in depth the characteristics of customer and able to identify the customer	76

Course Title: Human Resource Management - I **Course Code: CDE 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	100
CO2	Understand the concept of wage policy in India	95
CO3	Learn in depth the objectives of fringe benefits.	89
CO4	Learn in depth the Methods of performance appraisal	76

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	100
CO2	Understand the concept of money market and capital market.	95
CO3	Learn in depth the Scope of merchant banking services	89
CO4	Learn in depth the growth of merchant banking in India	76

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	100
CO2	Understand the concept of Quality circles	95
CO3	Learn in depth the types of social Security	89
CO4	Understand and identify the measures to strengthen trade Union movement in India	76

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	100
CO2	Understand the concept of Risk and Return	95
CO3	Understand and identify the features, importance, contribution of financial service in promoting industry and service	89
CO4	Understand the concept of Portfolio Return and Risk-Measurement	76

Department: BIOTECHNOLOGY (UG)

Programme Name: BSc **Programme Code: BSC05/BSC06**

Session/Year: 2020-21

List of POs & PSOs

POID	PO Statement	**%Attainment**
PO1	Developstate-of-the-artlaboratoryskillsandprofessionalcommunicationskills.	84.2
PO2	Applythescientificmethodtodesign,execute,andanalyseanexperiment.	89.5
PO3	Explainthetheoreticalbasisofthetools,technologiesandmethodscommonin Life science.	91
PO4	Design and develop solution to biotechnology problems by applying appropriate tools while keeping in mind safety for environment and society.	96.2
PSO1	Apply appropriate techniquesforthequalitative andquantitative analysisof chemicals inlaboratoriesandin industries	86.6
PSO2	Demonstrate effectively the applications of biochemical and biological sciences.	93
PSO3	Know andapply appropriate tools andtechniquesinbiotechnologicalmanipulation	95.2
PSO4	Understandhisorherresponsibilitiesinbiotechnologicalpractices.	99

Course Title: CELLBIOLOGY& GENETICS **Course Code:DMA220**

Name of Course In-charge: Uma S/ Chaitra K/Prathiba B

List of COs

CO ID	**CO Statement**	**%Attainment**
CO1	Developanunderstandingofthestructureandfunctionsoforganelles.	80.4
CO2	Understandthestructureofchromosomes,types,celldifferentiationandfeaturesofcancer cells.	61.8
CO3	Gaincomprehensiveunderstandingofthechemicalbasisofhereditymethods.	77.5
CO4	Understandeffectofmutation,mechanismandChromosomalAberrations.	66.7

Course Title: BIOMOLECULES&BIO-ANALYTICALTECHNIQUES Course Code:DMB220

Name of Course In-charge: Uma S/ Chaitra K/Prathiba B

List of COs

CO ID	**CO Statement**	**%Attainment**
CO1	Understandtheproperties,mechanismsandbiologicalimportanceofBio-molecules.	79.4
CO2	Comphrendthemechanismofenzymeaction,factorsaffectingitanditsapplications.	68.8
CO3	Understandandabletorelatetheprinciplesunderlyingvariousinstrumentsinthefieldof Biology.	77.5
CO4	Compareandcontrasttheroleofbio-moleculesandenzymes.	65.7

Course Title: MOLECULARBIOLOGY&GENETICENGINEERING **Course Code:DMC220**
Name of Course In-charge: Uma S/ Chaitra K/Prathiba B

List of COs

CO ID	CO Statement	%Attainment
CO1	Display a broad understanding of core molecular Biology.	98.8
CO2	Discuss and differentiate the process of Transcription and Translation	61.7
CO3	Explain key concept of genome organization and manipulation	74.2
CO4	Demonstrateworkingknowledgeinadefinedskillset ofmolecularbiologyandbiotechnologyprotocols.	73

Course Title: PLANTTISSUE&ANIMALCELLCULTURE **Course Code:DMD220**
Name of Course In-charge: Uma S/ Chaitra K/Prathiba B

List of COs

CO ID	CO Statement	%Attainment
CO1	Develop concept of plant tissue and animal cellculture techniques and their application inbiotechnology.	86.4
CO2	Comprehendtheknowledgeoftransgenicplantsinindustrialandagricultural applications.	63.99
CO3	Establishandmaintainvariouscelllinesusedintissueculture.	64.8
CO4	Understand the application of animal cell culture in biopharmaceutical industry.	63.18

Course Title: IMMUNOLOGY&MEDICALBIOTECHNOLOGY **Course Code:DME220**
Name of Course In-charge: Uma S/ Chaitra K/Prathiba B

List of COs

CO ID	CO Statement	%Attainment
CO1	Understand the role of different types of Cells in immune system .	84.2
CO2	Discusstheprinciplesandapplicationsofimmunologicaltechniques.	89.5
CO3	Understandto diagnosediseases.	91
CO4	Comprehendtheknowledgeoftherapeuticapplicationsofenzymeandhormone.	96.2

Course Title: MICROBIALTECHNIQUES**Course Code:DME222**
Name of Course In-charge: Uma S/ Chaitra K/Prathiba B
List of COs

CO ID	CO Statement	%Attainment
CO1	Understand structure, classification and reproduction in micro-organisms.	89.4
CO2	Know andapply appropriate sterilizationtechniquesinbiotechnology.	90.3
CO3	Discussthevarious culture media and its components used in culturing microbes.	96.5
CO4	Comprehendtheknowledgeof staining technique.	89

Course Title: ENVIRONMENTALBIOTECHNOLOGY&BIOSTATISTICS **Course Code:DMF220**

Name of Course In-charge: Uma S/ Chaitra K/Prathiba B

List of COs

CO ID	CO Statement	%Attainment
CO1	Gainanunderstandingofthecauses,typesandcontrolmethodsforEnvironmentalPollution.	86.2
CO2	DifferentiatetheapplicationofdifferentlifeformsinEnvironmentalRemediation.	94.5
CO3	ApplyStatisticalToolsforAnalysisofBiologicalData.	90
CO4	ApplyStatisticalToolsfor calculation of standard deviation	89.7

JSS Mahavidyapeetha

JSS College of Arts, Commerce and Science

Ooty Road, Mysuru – 570 025, Karnataka, India

Outcome Attainments 2020-21

Name of the Department: Botany UG

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

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	83.3
PO3	Demonstrate the knowledge of, and need for sustainable development	83.3
PO4	Use interdisciplinary approaches with quantitative skills to work on biological problems	91.6
PO5	Demonstrate the ability to justify and explain their thinking and/or approach	83.3
PO6	Develop state-of-the-art laboratory and professional communication skills. Work as a laboratory technician, biochemists or medical scientist	100
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.	Biodiversity of Microbes and Archegoniate	DMA2300701	Understand the characteristics of viruses	99.07
		DMA2300702	Learn the classification and characteristics of bacteria	99.07
		DMA2300703	Understand the classification and characteristics of fungi	99.07
		DMA2300704	Identify the classification and characteristics of archegoniate	99.07
2.	Plant Ecology, Morphology and Taxonomy	DMB2300701	Learn the classification and characteristics of plant communities	99.07
		DMB2300702	Understand in depth herbarium	99.07
		DMB2300703	Understand in details with examples plant morphology	99.07
		DMB2300704	Specify the characteristics of ecosystem	99.07
3.	Plant Anatomy and Embryology	DMC2300701	Understand the details of histology	98.7
		DMC2300702	Learn the details of embryology	98.7
		DMC2300703	Understand the details of anatomy	98.7
		DMC2300704	Learn in depth translocation in phloem	98.7
4.	Plant Physiology and Metabolism	DMD2300701	Understand the details of photosynthesis	100
		DMD2300702		100
		DMD2300703	Specify the classification and characteristics of enzyme	100
		DMD2300704		100
5.	Cell and Molecular Biology	DME2300701	Understand in depth microscopy	100
		DME2300702	Learn the details of cell	100
		DME2300703	Specify the details of DNA	100
		DME2300704	Learn the details of gene regulation	98.6
6.	Floriculture	DME2360701	Specify the classification and characteristics of gardening	100
		DME2360702	Understand in depth nursery management	100
		DME2360703	Identify in details with examples ornamental plants	100
7.	Genetics and Plant	DMF2300701	Specify the details of heredity	100

	Breeding	DMF2300702	Write down the classification and characteristics of mutations	100
		DMF2300702	Learn the details of plant breeding	100
		DMF2300703	Identify in details with examples linkage	100

Programme Outcome for Bachelor of Science in Botany, Biochemistry & Microbiology

Sl. No.	Course	COID		Attainment
1.	Biodiversity of Microbes and Archegoniate	DMA2300801	Understand the characteristics of viruses	99.07
		DMA2300802	Learn the classification and characteristics of bacteria	99.07
		DMA2300803	Understand the classification and characteristics of fungi	99.07
		DMA2300804	Identify the classification and characteristics of archegoniate	99.07
2.	Plant Ecology, Morphology and Taxonomy	DMB2300801	Learn the classification and characteristics of plant communities	99.07
		DMB2300802	Understand in depth herbarium	99.07
		DMB2300803	Understand in details with examples plant morphology	99.07
		DMB2300804	Specify the characteristics of ecosystem	99.07
3.	Plant Anatomy and Embryology	DMC2300801	Understand the details of histology	98.7
		DMC2300802	Learn the details of embryology	98.7
		DMC2300803	Understand the details of anatomy	98.7
		DMC2300804	Learn in depth translocation in phloem	98.7
4.	Plant Physiology and Metabolism	DMD2300801	Understand the details of photosynthesis	100
		DMD2300802		100
		DMD2300803	Specify the classification and characteristics of enzyme	100
		DMD2300804		100
5.	Cell and Molecular	DME2300801	Understand in depth	100

	Biology		microscopy	
		DME2300802	Learn the details of cell	100
		DME2300803	Specify the details of DNA	100
		DME2300804	Learn the details of gene regulation	98.6
6.	Floriculture	DME2360801	Specify the classification and characteristics of gardening	100
		DME2360802	Understand in depth nursery management	100
		DME2360803	Identify in details with examples ornamental plants	100
7.	Genetics and Plant Breeding	DMF2300801	Specify the details of heredity	100
		DMF2300802	Write down the classification and characteristics of mutations	100
		DMF2300802	Learn the details of plant breeding	100
		DMF2300803	Identify in details with examples linkage	100

JSS Mahavidyapeetha

JSS College of Arts, Commerce and Science (Autonomous)

Ooty Road, Mysuru - 570025

Outcome Attainments 2020-21

Department: Chemistry

Programme:B.Sc **Programme Code: DMA24001/ DMA24005/ DMA24008**

I SEMESTER

Course title	CO ID	CO	%Attainment
ATOMIC STRUCTURE & ORGANIC CHEMISTRY	CO1	Learn the basics of atomic structure and periodicity functions, structures and properties of chemical compounds..	100
	CO2	Acquire knowledge on aromaticity and aliphatic hydrocarbons	96.68
	CO3	Learn the basics of stereochemistry	94.56
	CO4	Understand the methods of analysis related to volumetric estimations.	100

PO ID	PO	%Attainment
PO1	Demonstrate proficiency in Mathematics and the Mathematical conceptsneeded 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 arguements	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

CBZ and CZBt

PO ID	PO	%Attainment
PO1	Demonstrate the ability to justify, explain, and/or approach the concept both in written and oral forms	97.56
PO2	Demonstrate the ability to present clear, logical and succinct arguments	88.25
PO3	Develop state-of-the-art laboratory skills and professional communication skills.	89.54
PO4	Apply the scientific method to design, execute, and analyze an experiment.	100

PSO ID	PSO	%Attainment
PSO1	Find career opportunities and develop competence to write competitive examinations.	100
PSO2	Develop proficiency in the analysis of complex physical problems and the use of mathematical or other appropriate techniques to solve them.	100
PSO3	Apply appropriate techniques for the qualitative and quantitative analysis of chemicals in laboratories and in industries.	66.66
PSO4	Create a hypothesis and appreciate how it relates to broader theories.	73.89
PSO5	Demonstrate skills in the use of Computers.	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 ID	PO	%Attainment
PO1	Demonstrate proficiency in Mathematics and the Mathematical conceptsneeded 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 arguements	87.56
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

CBZ and CZBt

PO ID	PO	%Attainment
PO1	Demonstrate the ability to justify, explain, and/or approach the concept both in written and oral forms	87.44
PO2	Demonstrate the ability to present clear, logical and succinct arguments	94.85
PO3	Develop state-of-the-art laboratory skills and professional communication skills.	97.84
PO4	Apply the scientific method to design, execute, and analyze an experiment.	100

PSO ID	PSO	%Attainment
PSO1	Find career opportunities and develop competence to write competitive examinations.	100
PSO2	Develop proficiency in the analysis of complex physical problems and the use of mathematical or other appropriate techniques to solve them.	100
PSO3	Apply appropriate techniques for the qualitative and quantitative analysis of chemicals in laboratories and in industries.	66.66
PSO4	Create a hypothesis and appreciate how it relates to broader theories.	73.89
PSO5	Demonstrate skills in the use of Computers.	100

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 ID	PO	%Attainment
PO1	Demonstrate proficiency in Mathematics and the Mathematical conceptsneeded 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 arguements	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

CBZ and CZBt

PO ID	PO	%Attainment
PO1	Demonstrate the ability to justify, explain, and/or approach the concept both in written and oral forms	60
PO2	Demonstrate the ability to present clear, logical and succinct arguments	76.85
PO3	Develop state-of-the-art laboratory skills and professional communication skills.	78.55
PO4	Apply the scientific method to design, execute, and analyze an experiment.	100

PSO ID	PSO	%Attainment
PSO1	Find career opportunities and develop competence to write competitive examinations.	100
PSO2	Develop proficiency in the analysis of complex physical problems and the use of mathematical or other appropriate techniques to solve them.	100
PSO3	Apply appropriate techniques for the qualitative and quantitative analysis of chemicals in laboratories and in industries.	66.66
PSO4	Create a hypothesis and appreciate how it relates to broader theories.	73.89
PSO5	Demonstrate skills in the use of Computers.	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 ID	PO	%Attainment
PO1	Demonstrate proficiency in Mathematics and the Mathematical conceptsneeded 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 arguements	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

CBZ and CZBt

PO ID	PO	%Attainment
PO1	Demonstrate the ability to justify, explain, and/or approach the concept both in written and oral forms	96.6
PO2	Demonstrate the ability to present clear, logical and succinct arguments	98.24
PO3	Develop state-of-the-art laboratory skills and professional communication skills.	86.99
PO4	Apply the scientific method to design, execute, and analyze an experiment.	100

PSO ID	PSO	%Attainment
PSO1	Find career opportunities and develop competence to write competitive examinations.	100
PSO2	Develop proficiency in the analysis of complex physical problems and the use of mathematical or other appropriate techniques to solve them.	100
PSO3	Apply appropriate techniques for the qualitative and quantitative analysis of chemicals in laboratories and in industries.	66.66
PSO4	Create a hypothesis and appreciate how it relates to broader theories.	73.89
PSO5	Demonstrate skills in the use of Computers.	100

V SEMESTER

Course title	CO ID	CO	%Attainment
INORGANIC MATERIALS OF INDUSTRIAL IMPORTANCE	CO1	Understand the synthesis and applications of glass and ceramics, vitamins, hormones, soaps and detergents; and higher aspects of spectroscopy.	98.29
	CO2	Understand the types and manufacture of different fertilizers.	94.10
	CO3	Understand the different methods of prevention of corrosion.	98.29

PO ID	PO	%Attainment
PO1	Demonstrate proficiency in Mathematics and the Mathematical conceptsneeded for a proper understanding of Physics.	100
PO2	Demonstrate the ability to justify and explain their thinking and/or approach	66.66
PO3	Demonstrate the ability to think , express and present in a clear, logical and succinct arguements	66.67
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	66.66

CBZ and CZBt

PO ID	PO	%Attainment
PO1	Demonstrate the ability to justify, explain, and/or approach the concept both in written and oral forms	100
PO2	Demonstrate the ability to present clear, logical and succinct arguments	66.66
PO3	Develop state-of-the-art laboratory skills and professional communication skills.	66.67
PO4	Apply the scientific method to design, execute, and analyze an experiment.	100

PSO ID	PSO	%Attainment
PSO1	Find career opportunities and develop competence to write competitive examinations.	100
PSO2	Develop proficiency in the analysis of complex physical problems and the use of mathematical or other appropriate techniques to solve them.	66.66
PSO3	Apply appropriate techniques for the qualitative and quantitative analysis of chemicals in laboratories and in industries.	66.67
PSO4	Create a hypothesis and appreciate how it relates to broader theories.	72.77
PSO5	Demonstrate skills in the use of Computers.	86.99

Course title	Course ID	CO	% attainment
FUEL CHEMISTY			
		Understand soil sample for calcium and magnesium content.	91
		Understand water parameters.	99

Course title	PO ID	PO	% attainment
FUEL CHEMISTY	PO1	Apply the scientific method to design, execute, and analyze an experiment and also to explain their scientific procedures as well as their experimental observations.	100
	PO2	Appreciate the role of chemistry in the society.	100

PO ATTAINMENT

VI SEMESTER

Course title	CO ID	CO	%Attainment
ORGANOMETALLICS, BIOINORGANIC CHEMISTRY, POLYNUCLEAR HYDROCARBONS AND UV, IR SPECTROSCOPY	CO1	Understand the techniques involved in metallurgy.	98.94
	CO2	Understand the role of ions in different biological systems.	95.78
	CO3	Understand the applications of spectroscopy.	86.31

PO ID	PO	%Attainment
PO1	Demonstrate proficiency in Mathematics and the Mathematical conceptneeded 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	66.66
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

PSO ID	PSO	%Attainment
PSO1	Find career opportunities and develop competence to write competitive examinations.	100
PSO2	Develop proficiency in the analysis of complex physical problems and the use of mathematical or other appropriate techniques to solve them.	100
PSO3	Apply appropriate techniques for the qualitative and quantitative analysis of chemicals in laboratories and in industries.	66.66
PSO4	Create a hypothesis and appreciate how it relates to broader theories.	73.89
PSO5	Demonstrate skills in the use of Computers.	100

1. Direct Assessment:

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
Overall PO/PSO attainment = Attainment (Direct)+Attainment (In-direct)	**93.16**	**78.84**	**84.88**	**93.38**	**95.55**	**100**	**100**	**73.32**	**79.19**

	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 Energitics, 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
Inorganic materials of industrial importance	100	60.66	100	66.67	66.66	100	100	66.66	73.99
Bioinorganic Chemistry,Polynuclear hydrocarbons and UV, IR, Spectroscopy	100	100	66.66	100	100	100	100	66.66	73.99
Fuel Chemestry	60	40	50	100		100	100	66.66	73.99
Average	91.46	73.55	81.11	91.73	94.44	100	100	66.66	91.43
Av*0.8	73.16	58.84	64.88	73.38	75.55	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

JSS Mahavidyapeetha
JSS College of Arts, Commerce and Science (Autonomous)
Ooty Road, Mysuru - 570025
Outcome Attainments 2020-21
Department: Hindi

Programme: BBA

PO ID	PO (BBA) **(11)**	%Attainment
PO 1	Motivated for their higher education	86.66
PO 2	Write resume, letter of application and business letters	89.98
PO 3	Improve Spoken and written communication	100

Programme Code: FBA040 (11)

Course title **:**Hindi KahaniaurVyakarna

Paper 1

CO ID	CO	%Attainment
CO 1	**1**.Deliberate in details with application, if applicable, short stores of 20th century	100 %
CO 2	**2**. Deliberate in details with application, if applicable, Bade bhaheSahab by Premchand	100 %
CO 3	**3**. Understand the classification and characteristics of Akasha deep by JayashankarPrasada	100 %
CO 4	**4**. Understand in details with application, if applicable, Hindi vyakaran	100 %
CO 5	**5.** Learn the details of Hindi vyakaran	100 %
CO 6	**6.** Specify in details with application, if applicable, Hindi vyakaran	100 %

Programme Code: ENB050

Course title **:Hindi GadyaaurVyakarna**

Paper 2

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

Programme Code: CDC050

Course title **:** Hindi KavyaaurAnuvadaParibhashikShabdavali

Paper 3

CO ID	CO	%Attainment
CO 1	**1.**Deliberate the classification and characteristics of medieval and modern hindikavya	100 %
CO 2	**2** .Deliberate the characteristics of medieval and modern hindikavya	100 %
CO 3	**3** .Understand the details of Kaber by saakhe	100 %
CO 4	**4** . Identify the characteristics of Hemala by ramadharesimhadinakar, Hindi SarkariPatrachar	100 %
CO 5	**Co5** . Learn in depth preyatham by suryakantathreepatinirala	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 %

1.

Programme Code: CDD050

Course title **:Hindi UpanyasTathaVanijya 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 VanijyaHindI	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 %

2.

4. Assessment

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

	PO1	PO2	PO3
Course 1	100	83.33	100
Course 3	66.66	100	100
Average above	83.33	91.66	100
Attainment (Direct) = 0.8* Average above	66.66	73.32	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)	86.66	89.98	100

JSS College of Arts, Commerce and Science (Autonomous)
Ooty Road, Mysuru - 570025
Outcome Attainments 2020-21
Department: Hindi

Programme: BCOM

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

Programme Code: ENA050

Course title **:**Hindi KahaniaurVyakarna
Paper 1

CO ID	CO	%Attainment
CO 1	**1**.Deliberate in details with application, if applicable, short stores of 20th century	100 %
CO 2	**2**. Deliberate in details with application, if applicable, Bade bhaheSahab by Premchand	100 %
CO 3	**3**. Understand the classification and characteristics of Akasha deep by JayashankarPrasada	100 %
CO 4	**4**. Understand in details with application, if applicable, Hindi vyakaran	100 %
CO 5	**5.** Learn the details of Hindi vyakaran	100 %
CO 6	**6.** Specify in details with application, if applicable, Hindi vyakaran	100 %

Programme Code: ENB050

Course title **:Hindi GadyaaurVyakarna**

Paper 2

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

Programme Code: ENC050

Course title **:** Hindi KavyaaurAnuvadaParibhashikShabdavali
Paper 3

CO ID	CO	%Attainment
CO 1	**1.**Deliberate the classification and characteristics of medieval and modern hindikavya	100 %
CO 2	**2** .Deliberate the characteristics of medieval and modern hindikavya	100 %
CO 3	**3** .Understand the details of Kaber by saakhe	100 %
CO 4	**4** . Identify the characteristics of Hemala by ramadharesimhadinakar, Hindi SarkariPatrachar	100 %
CO 5	**Co5** . Learn in depth preyatham by suryakantathreepatinirala	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: END050

Course title**:Hindi UpanyasTathaVanijya 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 VanijyaHindI	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 3	100	100	100
Average above	100	91.66	100
Attainment (Direct) = 0.8* Average above	80	73.32	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)	100	89.99	100

JSS College of Arts, Commerce and Science (Autonomous)
Ooty Road, Mysuru - 570025
Outcome Attainments 2021-22
Department: Hindi

Programme: BA

PO ID	PO (BA) **-21 to 25)**	%Attainment
PO 1	Understand culture and heritage	86.67
PO 2	Manage business affairs	83.33
PO 3	Create interest in literature	86.67
PO 4	Report and edit public events effectively	100
PO 5	Develop reading writing communication and reasoning skills	93.33

Programme Code: ELA 050 (21 to 25)

Course title :**Hindi GadyaaurVyakarna**

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: ELB 050 (21 to 25)

Course title :**Hindi KahaniaurVyakarna**

Paper 2

CO ID	CO	%Attainment
CO 1	**1**. Write down the details of short stores of 20 th century	100 %
CO 2	**2** Identify in depth short stores of 20 th century	100 %

CO 3	**3**. Identify in details with application, if applicable, short stores of 20 th century	100 %
CO 4	**4**.Identify the classification and characteristics of Hindi vyakaran	100 %
CO 5	**5.**Write down the characteristics of Hindi vyakaran	100 %

Programme Code: ELC 050 (21 to 25)

Course title**:Hindi** NatakaaurVanjya 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 Ramkumarvarma	100 %
CO 3	**3**. Deliberate the characteristics of Hindi Natak -Red kehaddi by Jagadeshachandramathur	100 %
CO 4	**4**.Understand the details of Hindi Natak -sukhe dale by Upendranathashka	100 %
CO 5	**5.**Write down in details with examples Hindi Natak -mai bee manavhu by Vishnu prabakar	100 %
CO6	**6.**Identify the details of Hindi Vanijya Hindi	100 %
CO7	**7.**Specify in depth Vanijya Hindi	100 %

Programme Code: ELD 050 (21 to 25)

Course title **:Hindi** KavyaaurAnuvadaParibhashikShabdavali

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 RamadhareSimhaDinakar	100 %
CO 4	**4**.Specify in details with application, if applicable, Gurukul by RamkumarVarma	100 %
CO 5	**5.**Specify the characteristics of Hindi AnuvadaParibhasikShabdavali	100 %
Co6	**6** . Learn in details with examples Hindi AnuvadaParibhasikShabdavali	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 3	100	66.66	66.66	100	100
Average above	83.41	83.41	83.41	100	100
Attainment (Direct) = 0.8* Average above	66.67	66.67	66.67	80	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	86.67	100	93.33

JSS Mahavidyapeetha
JSS College of Arts, Commerce and Science (Autonomous)
Ooty Road, Mysuru - 570025
Outcome Attainments 2020-21
Department: Hindi

Programme: BCA

PO ID	PO (BCA) **(11)**	%Attainment
PO 1	Motivated for their higher education	75
PO 2	Write resume, letter of application and business letters	76.66
PO 3	Improve Spoken and written communication	100

Programme Code: ECA050

Course title **:**Hindi KahaniaurVyakarna

Paper 1

CO ID	CO	%Attainment
CO 1	**1**.Deliberate in details with application, if applicable, short stores of 20th century	100 %
CO 2	**2**. Deliberate in details with application, if applicable, Bade bhaheSahab by Premchand	100 %
CO 3	**3**. Understand the classification and characteristics of Akasha deep by JayashankarPrasada	100 %
CO 4	**4**. Understand in details with application, if applicable, Hindi vyakaran	100 %
CO 5	**5.** Learn the details of Hindi vyakaran	100 %
CO 6	**6.** Specify in details with application, if applicable, Hindi vyakaran	100 %

Programme Code: ECB050

Course title **:Hindi GadyaaurVyakarna**

Paper 2

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

Programme Code: ECC050

Course title **:** Hindi KavyaaurAnuvadaParibhashikShabdavali
Paper 3

CO ID	CO	%Attainment
CO 1	**1.**Deliberate the classification and characteristics of medieval and modern hindikavya	100 %
CO 2	**2** .Deliberate the characteristics of medieval and modern hindikavya	100 %
CO 3	**3** .Understand the details of Kaber by saakhe	100 %
CO 4	**4** . Identify the characteristics of Hemala by ramadharesimhadinakar, Hindi SarkariPatrachar	100 %
CO 5	**5** . Learn in depth preyatham by suryakantathreepatinirala	100 %
CO 6	**6** . Understand the	100 %

	characteristics of Hindi Anuvada	
Co7	**7** . Understand in depth Hindi Anuvada	100 %
Co8	**8** . Identify in details with examples Hindi Anuvada	100 %

Programme Code: ECD050

Course title**:Hindi UpanyasTathaVanijya 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 VanijyaHindI	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	66.66	66.66	100
Course 3	66.66	83.33	100
Average above	66.66	74.99	100
Attainment (Direct) = 0.8* Average above	54	60	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)	75	76.66	100

JSS Mahavidyapeetha

JSS College of Arts, Commerce and Science

Ooty Road, Mysuru

Department: Physics

Programme Name: B.Sc **Programme Code:**

Session/Year: 2020-21

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	100
PO2	Demonstrate the ability to justify and explain their thinking and/or approach	100
PO3	Develop state of the art laboratory and professional communication skills	100
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:**

Name of Course In-charge/Coordinator:

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
III SEM Thermal Physics	DMC29001	Write down the classification and characteristics of laws of thermodynamics	100
	DMC29002	Have a clear understanding about reversible and irreversible process	100
	DMC29003	Understand the classification and characteristics of entropy and thermodynamic potential	100
	DMC29004	Specify in details with examples kinetic theory of gases	100
V SEM Solid State Physics	DME29201	Write down in detail with application of crystal structure	100
	DME29202	Write down the details of elementary lattice dynamics	100
	DME29203	Deliberate in detail with examples magnetic properties of matter	100
V SEM Renewable energy and Energy harvesting	DME29601	Understand the characteristics of fossil fuel	100
	DME29602	Learn in detail with application of wind energy	100
	DME29603	Specify in detail with application of ocean energy and hydro energy	100
VI SEM Nuclear and particle physics	DMF29201	Write down in detail with application and properties of nuclei	100
	DMF29202	Learn in details with application and properties of nuclei	100
	DMF29203	Understand in detail with examples radioactivity	100
	DMF29204	Identify the details of particle physics	100

JSS Mahavidyapeetha

JSS College of Arts, Commerce and Science (Autonomous)

Ooty Road, Mysuru - 570025

Outcome Attainments 2020-21

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.	60.37	18.88	79.25
PO2	Students should be able to apply critical and theoretical approaches to the reading andanalysis of literary and cultural texts in multiple genres	60.74	16.66	77.40
PO3	Students should be able to identify, analyze, interpret and describe the critical ideas, valuesand 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.	58.14	17.22	75.37
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.	64.44	16.66	81.11
PO5	Students should be able to ethically gather, understand, evaluate and synthesize information from a variety of written and electronic sources.	60.74	18.33	79.07
PO6	Students should be able to understand the process of	66.66	16.66	83.33

	communicating and interpreting humanexperiences through literary representation using historical contexts and disciplinarymethodologies.			
PO7	Students should be able to spread the messages of equality, nationality, social harmony and other human values.	59.25	16.66	75.92
PO8	Students should be able to develop and carry out research projects, and locate, evaluate, organise, and incorporate information effectively.	62.22	17.77	80
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.	58.51	17.77	76.29
PO10	Students should be able to demonstrate critical reading, writing and thinking skill.	60.37	18.88	79.25

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 18thCentury 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 19th 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%

JSS Mahavidyapeetha

JSS College of Arts, Commerce and Science

Ooty Road, Mysuru

Department:Computer Science

Programme Name:BCA

Session/Year:2020-2021

List of POs & PSOs

POID	PO Statement	%Attainment (Overall)*
PO1	Get expected skills to be placed in IT sector and self-employment.	90.71
PO2	To develop abilities for data analysis and interpretation using ICT.	87.89
PO3	Acquire comprehensive knowledge with equal emphasis on theory and practice.	79.78
PO4	Analyze and apply latest technologies to solve problems in the areas of computer applications.	77.11
PO5	Develop the basic programming skills to enable students to build Utility tools.	77.00
PO6	Get the foundation knowledge for higher studies in the field of Computer Application.	80.89
PO7	Analyze and synthesis computing systems through quantitative and qualitative techniques	90.56
PO8	Develop practical skills to provide solutions to industry, society and business.	78.89
PO9	Work effectively both as an individual and a team leader on multidisciplinary projects.	88.33
PO10	Improves communication skills so that they can effectively present technical information in oral and written reports	76.67
PSO1	Knowledge of contemporary and emerging issues in computer science	78.33
PSO2	Ability to identify, critically analyse, formulate and develop computer application	76.11
PSO3	Learn techniques, skills and modern hardware and software tools necessary for innovative software solutions	72.78
PSO4	Devise and conduct experiments, interpret data and provide well informed conclusions.	69.33
PSO5	Information about computer, technology, organization and management.	72.78
PSO6	Know various computer applications and latest development in IT and communication system.	20.00
PSO7	Act as software programmer, system and Database administrator, web designer, faculty for computer science and computer applications.	15.00
PSO8	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: Analysis and Design of Algorithms
Course Code: ECE23001
Name of Course In-charge/Coordinator:

List of COs

CO ID	CO Statement	%Attainment
CO1	Learn the details of Types of notion of Algorithm	100
CO2	Learn in details with examples Algorithm Design Techniques	100
CO3	Deliberate in depth Sorting Techniques	100
CO4	Deliberate in depth of Searching Techniques	100
CO5	Identify in details with examples Analysis of Graph Algorithms	100
CO6	Learn the details of Dynamic Programming Methods	100

JSS Mahavidyapeetha

JSS College of Arts, Commerce and Science

Ooty Road, Mysuru

Department:Computer Science

Programme Name:BCA

Session/Year:2020-2021

List of POs & PSOs

POID	PO Statement	%Attainment (Overall)*
PO1	Get expected skills to be placed in IT sector and self-employment.	90.71
PO2	To develop abilities for data analysis and interpretation using ICT.	87.89
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PSO5	Information about computer, technology, organization and management.	72.78
PSO6	Know various computer applications and latest development in IT and communication system.	20.00
PSO7	Act as software programmer, system and Database administrator, web designer, faculty for computer science and computer applications.	15.00
PSO8	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: Data Communication and Computer Networks
Course Code: ECE21001
Name of Course In-charge/Coordinator: DR. Rajesh KM

List of COs

CO ID	CO Statement	%Attainment
CO1	Learn in depth Elements of Data Communications and network Systems	100
CO2	Learn in depth Transmission Media	100
CO3	Understanding the various classifications and characteristics of Signals	100
CO4	Understand in details with examples Network Models	100
CO5	Learn in depth Error Detection and Corrections Algorithms	100
CO6	Deliberate in details with examples Switching Concepts	100
CO7	Deliberate the classification and characteristics of networking and internetworking Devices	100

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JSS College of Arts, Commerce and Science

Ooty Road, Mysuru

Department:Computer Science

Programme Name:BCA **Session/Year:2020-2021**

List of POs & PSOs

POID	PO Statement	%Attainment (Overall)*
PO1	Get expected skills to be placed in IT sector and self-employment.	90.71
PO2	To develop abilities for data analysis and interpretation using ICT.	87.89
PO3	Acquire comprehensive knowledge with equal emphasis on theory and practice.	79.78
PO4	Analyze and apply latest technologies to solve problems in the areas of computer applications.	77.11
PO5	Develop the basic programming skills to enable students to build Utility tools.	77.00
PO6	Get the foundation knowledge for higher studies in the field of Computer Application.	80.89
PO7	Analyze and synthesis computing systems through quantitative and qualitative techniques	90.56
PO8	Develop practical skills to provide solutions to industry, society and business.	78.89
PO9	Work effectively both as an individual and a team leader on multidisciplinary projects.	88.33
PO10	Improves communication skills so that they can effectively present technical information in oral and written reports	76.67
PSO1	Knowledge of contemporary and emerging issues in computer science	78.33
PSO2	Ability to identify, critically analyse, formulate and develop computer application	76.11
PSO3	Learn techniques, skills and modern hardware and software tools necessary for innovative software solutions	72.78
PSO4	Devise and conduct experiments, interpret data and provide well informed conclusions.	69.33
PSO5	Information about computer, technology, organization and management.	72.78
PSO6	Know various computer applications and latest development in IT and communication system.	20.00
PSO7	Act as software programmer, system and Database administrator, web designer, faculty for computer science and computer applications.	15.00
PSO8	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: Data Mining and Data Warehousing **Course Code: ECF22201**

Name of Course In-charge/Coordinator: DR. Rajesh KM

List of COs

CO ID	CO Statement	%Attainment
CO1	Understand the characteristics of Data Warehousing	100
CO2	Understand the details of Data Warehousing Architecture	100
CO3	Deliberate in depth Data Mining	100
CO4	Learn in details with examples Association Rule Mining	100
CO5	Specify the details of Classification and Prediction Techniques	100
CO6	Learn in depth Clustering Methods	100
CO7	Write down in depth Application of Data Mining	100

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JSS College of Arts, Commerce and Science

Ooty Road, Mysuru

Department:Computer Science

Programme Name:BCA **Programme Code:**

Session/Year:2020-2021

List of POs & PSOs

POID	PO Statement	%Attainment (Overall)*
PO1	Get expected skills to be placed in IT sector and self-employment.	90.71
PO2	To develop abilities for data analysis and interpretation using ICT.	87.89
PO3	Acquire comprehensive knowledge with equal emphasis on theory and practice.	79.78
PO4	Analyze and apply latest technologies to solve problems in the areas of computer applications.	77.11
PO5	Develop the basic programming skills to enable students to build Utility tools.	77.00
PO6	Get the foundation knowledge for higher studies in the field of Computer Application.	80.89
PO7	Analyze and synthesis computing systems through quantitative and qualitative techniques	90.56
PO8	Develop practical skills to provide solutions to industry, society and business.	78.89
PO9	Work effectively both as an individual and a team leader on multidisciplinary projects.	88.33
PO10	Improves communication skills so that they can effectively present technical information in oral and written reports	76.67
PSO1	Knowledge of contemporary and emerging issues in computer science	78.33
PSO2	Ability to identify, critically analyse, formulate and develop computer application	76.11
PSO3	Learn techniques, skills and modern hardware and software tools necessary for innovative software solutions	72.78
PSO4	Devise and conduct experiments, interpret data and provide well informed conclusions.	69.33
PSO5	Information about computer, technology, organization and management.	72.78
PSO6	Know various computer applications and latest development in IT and communication system.	20.00
PSO7	Act as software programmer, system and Database administrator, web designer, faculty for computer science and computer applications.	15.00
PSO8	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: Operation Research **Course Code: ECF21001**

Name of Course In-charge/Coordinator: Vinay R U

List of COs

CO ID	CO Statement	%Attainment
CO1	Write down the details of Origin and Development of Operation Research	100
CO2	Understand the characteristics of Linear Programming Problems and Methods	100
CO3	Deliberate in depth Transportation Problems	100
CO4	Deliberate in depth Assignment Problem	100
CO5	Identify in details with examples Network Analysis	100
CO6	Learn in depth Application of Operation Research	100

JSS Mahavidyapeetha

JSS College of Arts, Commerce and Science

Ooty Road, Mysuru

Department:Computer Science

Programme Name:BCA **Programme Code:**

Session/Year:2020-2021

List of POs & PSOs

POID	PO Statement	%Attainment (Overall)*
PO1	Get expected skills to be placed in IT sector and self-employment.	90.71
PO2	To develop abilities for data analysis and interpretation using ICT.	87.89
PO3	Acquire comprehensive knowledge with equal emphasis on theory and practice.	79.78
PO4	Analyze and apply latest technologies to solve problems in the areas of computer applications.	77.11
PO5	Develop the basic programming skills to enable students to build Utility tools.	77.00
PO6	Get the foundation knowledge for higher studies in the field of Computer Application.	80.89
PO7	Analyze and synthesis computing systems through quantitative and qualitative techniques	90.56
PO8	Develop practical skills to provide solutions to industry, society and business.	78.89
PO9	Work effectively both as an individual and a team leader on multidisciplinary projects.	88.33
PO10	Improves communication skills so that they can effectively present technical information in oral and written reports	76.67
PSO1	Knowledge of contemporary and emerging issues in computer science	78.33
PSO2	Ability to identify, critically analyse, formulate and develop computer application	76.11
PSO3	Learn techniques, skills and modern hardware and software tools necessary for innovative software solutions	72.78
PSO4	Devise and conduct experiments, interpret data and provide well informed conclusions.	69.33
PSO5	Information about computer, technology, organization and management.	72.78
PSO6	Know various computer applications and latest development in IT and communication system.	20.00
PSO7	Act as software programmer, system and Database administrator, web designer, faculty for computer science and computer applications.	15.00
PSO8	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: Project work **Course Code: ECF23001**

Name of Course In-charge/Coordinator:

List of COs

CO ID	CO Statement	%Attainment
CO1	Identify in details with examples Problem identification	100
CO2	Write down in depth System Analysis	100
CO3	Understand and Develop SRS for selected System Problem	100
CO4	Understand and Develop System Design for selected System Problem	100
CO5	Learn in details and Develop a Code and Test the System	100
CO6	Understand the details of Presentation and Demo of Project Work	100

JSS Mahavidyapeetha

JSSCollegeofArts,CommerceandScience

OotyRoad,Mysuru–570025,Karnataka,India

OUTCOMEATTAINMENT 2020-21

NameoftheDepartment: POLITICALSCIENCE Programmeoffered: BA

Programmecode:H EP/JPE22/25

ISEMESTER **Coursecode:ELA26022/ELA26025**

Coursetitle	COId	CO	%Attainment
POLITICAL THEORY	CO1	Learn in depth meaning and nature of political Theory	100
	CO2	Deliberateindetailswithexamplesdifferencesbetweenpoliticsandpolitical theory	100
	CO3	Understand the characteristics of elements of state	66.66
	CO4	Specify the details of civil society	100
	CO5	Understand the classification and characteristic so frights	100

PO/Id	PO	%Attainment
PO1	Critically Recognize the Social, political, aspects of History	75
PO2	Demonstrate thinking skills by analyzing, synthesizing, and evaluating them in relation to their cultural and historical context.	86.67
PO3	Correctly extracts evidence from primary sources by analyzing and evaluating them in relation to their cultural and historical context.	70
PO4	Develop an informed familiarity with multiple cultures.	60
PO5	Develop critical and quantitative thinking Skils	86.67
PO6	Apply economic analysis to everyday problems in real word situations	100

PO7	Explain, graph and Analyze Key economic models	70

	PSO	
PSO1	Understand theoretical and practical aspects of Economics and Geography	100
PSO2	Evaluate Economic behavior in consonance with Geographical factors	100
PSO3	Act as a stepping stone for one's success in competitive examinations	66.66
PSO4	Exerts its Influence on life and destiny of Human beings	100
PSO5	SuggestthepolicymakersaboutdesirablechangestobemadeinMicroandMacro Economic issues based on geographical factors	100
PSO6	GainabilitytounderstandtheeconomicproblemsinGeographicalindicators	100

IIISEMESTERCoursecode :ELC26022/ELC26025

Coursetitle	COID	CO	%Attainment
COMPARATIVE GOVERNMENT AND POLITICS	CO1	Understand the classification and characteristics of electoral systems	100%
	CO2	Understand the details of classification of political systems	100%
	CO3	Understand in details with application if applicable contemporary debates	66.66
	CO4	Learn the classification and characteristics of contemporary debates on state.	100%
	CO5	Understand the classification and characteristics of electoral systems	100%

PO/Id	PO	%Attainment
PO1	Criticallyrecognizesthe Social political economicandculturalaspectsofHistory.	100%
PO2	Demonstrate thinking skills by analyzing, synthesizing, and evaluating them in relation to their cultural and historical context.	100%
PO3	Apply economic analysis to everyday problems in real word situations	66.66%
PO4	Develop an informed familiarity with multiple cultures	100%
PO5	Correctly extracts evidence from primary sources by analyzing and evaluating them in relation to their cultural and historical context.	100%

Coursetitle	COId	Cos	%Attainment
Themes on comparative political theory	CO1	Understand in details with application if applicable democracy and governance	66.66%
	CO2	Understand in details with application if applicable Indian political thought	100%
	CO3	Specify in depth Indian political thought	100%
	CO4	Identify the classification and characteristics of western political thought	66.66%
	CO5	Understand in details with examples western political thought	100%
	CO6	Understand in depth local government	100%
	CO7	Learn the details of regulatory institutions	100%
	CO8	Identifytheclassificationandcharacteristicsoflobbyinginstitutions	100%

PO/Id/No.	PO	%Attainment
PO1	Correctly extracts evidence from primary sources by analyzing and evaluating them in relation to their cultural and historical context.	66.66%
PO2	Critically recognizes the social political economic and cultural aspect so History.	100%
PO3	Demonstrate thinking skills by analyzing, synthesizing, and evaluating them in relation to their cultural and historical context	100%
PO4	Develop an informed familiarity with multiple cultures.	66.66%
PO6	Explain, graph, and analyze key economics models.	100%

V SEMESTER **CourseCode: ELE26222**

Coursetitle	**COID**	**CO**	**%Attainment**
LEGISLATIVE SUPPORT	CO1	Understand in depth legislative support	66.66
	CO2	Write down the details of legislative process	100
	CO3	Write down the details Of Legislative committees	100
	CO4	Learn in details with examples legislative committees	66.66
	CO5	Identify in details with application ,if applicable, budget process	100

PO/Id/No.	**PO**	**%Attainment**
PO1	Demonstrate thinking skills by analyzing, synthesizing, and evaluating them in relation to their cultural and historical context.	**66.66**
PO2	Critically recognizes the social, political, economic and cultural aspect so History.	**100**
PO3	Develop an informed familiarity with multiple cultures.	**100**
PO4	Explain, graph, and analyze key economics models.	**66.66**
PO5	Correctly extracts evidence from primary sources by analyzing and evaluating them in relation to their cultural and historical context.	**100**

VI SEMESTER COURSECODE: ELF26022

Coursetitle	**CO /Id**	**COStatement**	**%Attainment**
MODERN GOVERNMENTS	CO1	Understandingtheworld politics	100
	CO2	Enlightentheworldgovernmentalsystem	100
	CO3	Developcomparativestudyongovernmentalsystems	66.66

PO/Id/No.	**PO**	**%Attainment**
PO1	Critically recognizes The social, political, economic and cultural aspect so History.	100

PO2	Correctly extracts evidence from primary sources by analyzing and evaluating them in relation to their cultural and historical context.	100
PO3	Demonstrate thinking skills by analyzing, synthesizing, and evaluating them in relation to their cultural and historical context.	66.66%

VI SEMESTER COURSECODE :ELF26222/ELF26225

Coursetitle	CO Id	COStatement	%Attainment
PUBLIC ADMINISTRATION CONCEPTS AND THEORIES	CO1	Aimatunderstandingtheproceduralaspectsof	100
	CO1	Learn in depth Administration and Public Policy	100
	CO2	Specify the details of administrative theories	100
	CO3	Learn the classification and characteristics of administrative theories	100
	CO4	Deliberate the details of public policy	100
	CO5	Deliberate in details with examples public policy in India	100
	C06	Identify the characteristics of public policy in India	66.66

PO/Id/No.	PO	%Attainment
PO1	Demonstrate thinking skills by analyzing, synthesizing, and evaluating them in relation to their cultural and historical context.	100
PO2	Critically recognizes the social, political economic and cultural aspect so History.	100
PO3	Develop an informed familiarity with multiple cultures.	100
PO4	Correctly extracts evidence from primary sources by analyzing and evaluating them in relation to their cultural and historical context.	100
PO5	Explain, graph, and analyze key economics models.	100
PO6	Demonstrate critical reading writing, thinking skills.	66.66

1.DirectAssessment

	PO1	PO2	PO3	PO4	PO5	PO6
POLITICAL THEORY	100	100	66.66	100	100	100
COMPARATIVE GOVERNMENT AND POLITICS	100	100	66.66	100	100	100
Themes on comparative political theory	100	100	100	100	100	100
legislative support	66.66	100	100	66.66	66.66	100
Modern governments	66.66	100	66.66			
Public administration concepts and theories	100	100	100	100	100	100
Reading Gandhi	100	100	100			
Average	90.47	100	85.71	93.332	93.332	100
Av*0.8	72.37	80	68.56	74.66	74.66	80

1. IndirectAssessment

Responseby	PO1	PO2	PO3	PO4	PO5
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	PO6
OverallPO/PSO attainment=Attainment(Direct)+Attainment(In-direct)	92.37	100	88.56	94.66	94.66	**100**