



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 (2019-20)



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

Outcome Attainments 2019-20

Department: History
Program Code: BA24

Program: BA

PO ID	PO	Overall Attainment
BAHE24P01	Critically recognize the social, political, economic and cultural aspects of History	82.30
BAHE24P02	Demonstrate thinking skills by analyzing, synthesizing, and evaluating historical information from multiple sources	77.22
BAHE24P03	Correctly extract evidence from primary sources by analyzing and evaluating them in relation to their cultural and historical context	73.75
BAHE24P04	Develop an informed familiarity with multiple cultures	80
BAHE24P05	Emerge as a multifaceted personality who is self-dependent	74.30
BAHE24P06	Spread the messages of equality, nationality, social harmony and other human values	83.75
BAHE24P07	Comprehend the basic structures and processes of government systems and/or theoretical underpinnings	70.83
BAHE24P08	Analyze political problems, arguments, information, and/or theories	81.38
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	79.44

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Outcome Attainments 2019-2020

Department: History
Program Code: BA24

Program: BA

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

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Outcome Attainments 2019-2020

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 Kingdom, 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

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Outcome Attainments 2019-2020

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

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Outcome Attainments 2019-2020

Department: History
Program Code: BA24

Program: BA

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 20 th Century	100
BAHE24CO3	Develop the knowledge about diverse countries of the region and provide an insight into the historical background	100
BAHE24CO4	Evaluate 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

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Outcome Attainments 2019-2020

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
BAHE24CO6	Know the establishment of UNO and its Aims, Objectives and structures	100

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Outcome Attainments 2019-2020

Department: History
Program Code: BA24

Program: BA

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

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Ooty Road, Mysuru

Department: ECONOMICS

Programme Name: BA

Programme Code: 31

Session/Year 2019-2020

List of POs & PSOs

POID	PO Statement	% Attainment
PO1	Critically recognizes the social, political, economic and cultural aspects of History	82.21
PO2	Demonstrate thinking skills by analysing and Evaluating relation to their cultural and historical context	83.55
PO3	Develop an informed familiarity with multiple cultures	87.99
PO 4	Correctly extracts evidence from primary sources	83.55
PO5	Demonstrate critical reading, writing and thinking skills	95.55
PO6	Explain, graph, and analyse key Economics Model	86.66

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

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

Name of Course In-charge/Coordinator: Rathnamma N

CO ID	CO Statement	% Attainment
CO1	Understand in details with examples Concepts of Micro and Macro Economics	97.916
CO2	Deliberate in depth laws of Demand	98.958
CO3	Understand in depth laws of utility.	98.958
CO4	Learn in details with examples meaning and properties of indifference curve	98.958
CO5	Deliberate in depth cost and revenue concepts	97.916
CO6	Understand the details of meaning and types of market	98.958

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

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

Name of Course In-charge/Coordinator: Rathnamma N

List of COs

CO ID	CO Statement	% Attainment
CO1	Identify in with examples key variables of Macro Economics	100
CO2	Understand in details with examples Concepts of National Income	100
CO3	Identify in depth Marginal Efficiency of Capital	100
CO4	Specify the details of concepts of Multiplier	100
CO5	Identify the Characteristics of Keynesian Macro Economics	100

Course Title: Economics of Development (DSE) –1A (Vth sem)

Course Code: ELE21021/22/26/23/24

Name of Course In-charge/Coordinator: Rathnamma N

List of COs

CO ID	CO Statement	% Attainment
CO1	Learn in depth understand the concept of economic development and factors affects development,	59.259
CO2	Deliberate in details with examples differentiate economic development and growth	74.074
CO3	Identify the characteristics of demographic trends	74.074
CO4	Specify in depth Harrod-Domar growth model	74.074
CO5	Understand the classification and characteristics of Endogenous growth theory	74.074

Course Title: Financial Economics (SEC) – (Vth Sem)

Course Code: ELE21021/22/26/23/24

Name of Course In-charge/Coordinator: Rathnamma N

List of COs

CO ID	CO Statement	
CO1	Formulate the Economics of Finance	100
CO2	Understand essential aspects of Financial Asset Valuation	100
CO3	Useful in a variety of Business setting including Investment	100
CO4	Evaluate Basic Theory Interest and Investment decisions under Uncertainty	100
CO5	Realize the Securities, Bonds, Prices and Yields	100

Course Title: Indian Economy (DSC) – (VIth Sem)

Course Code: ELE21021/22/26/23/24

Name of Course In-charge/Coordinator: Rathnamma N

List of COs

CO ID	CO Statement	
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	Specify in depth public and private sector	100
CO5	Identify in depth in Monetary policy	100

Course Title: Data Analysis (SEC) – (VIth sem)

Course Code: ELE21021/22/26/23/24

Name of Course In-charge/Coordinator: Rathnamma N

List of COs

CO ID	CO Statement	
CO1	Gain the Knowledge about to Collection and presentation of Data	100
CO2	Understand meaning, types, Importance and source of Data	100
CO3	Differentiate population Census and Sample Survey	100
CO4	Developing the Knowledge about Univariate frequency distributions and Measures of Central Tendency	100
CO5	Practically Evaluate Bivariate Frequency Distribution, Correlation and Regression	100

JSS Mahavidyapeetha
JSSCollegeofArts,CommerceandScience

OotyRoad,Mysuru-570025,Karnataka,India

OUTCOMEATTAINMENT 2019-20

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
	CO6	Specify the classification and characteristics of democracy	100

PO/Id	PO	%Attainment
PO1	Criticallyrecognizesthesocial,political,economicandculturalaspectsofHistory.	100
PO2	Demonstrate thinking skills by analyzing, synthesizing, and evaluating them in relation to their cultural and historical context.	100
PO3	Correctly extracts evidence from primary sources by analyzing and evaluating them in relation to their cultural and historical context.	66.67
PO4	Develop an informed familiarity with multiple cultures.	100
PO5	Develop critical and quantitative thinking Skills	100
PO6	Apply economic analysis to everyday problems in real word situations	100

	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	Suggest the policymakers about desirable changes to be made in Micro and Macro Economic issues based on geographical factors	100
PSO6	Gain ability to understand the economic problems in Geographical indicators	100

III SEMESTER Course code: 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	Critically recognizes the Social political economic and cultural aspects of History.	100%
PO2	Demonstrate thinking skills by analyzing, synthesizing, and evaluating them in relation to their cultural and historical context.	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%

V SEMESTER

Coursecode:ELE26022/ELE26025

Course title	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	Identify the classification and characteristics of lobbying institutions	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	COI D	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 ,ifapplicable,budgetprocess	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

Coursetitle	CO /Id	COStatement	%Attainment
MODERN GOVERNMENT S	CO1	Understandingtheworld politics	100
	CO2	Enlightingtheworldgovernmentalsystem	100
	CO3	Developcomparativestudyongovernmentalsystems	66.66
PO/Id/No.	PO		%Attainment
PO1	Critically recognizes Thesocial,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	IdentifythecharacteristicsofpublicpolicyinIndia	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

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 Ooty Road, Mysuru

Department: COMMERCE AND MANAGEMENT

Programme Name: B.COM

Programme Code:

Session/Year 2019-20

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: Principles and Practices of Auditing

Course Code: ENF 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	Learn in depth to practice as an Auditor	97
CO2	Learn the characteristics of errors and frauds and minimize them in maintenance of books of accounts	90
CO3	Deliberate in details with examples audit of different types of organizations	100
CO4	Identify in detail the importance of Internal Control and Internal Check	95
Or as designed in the curriculum		

Course Title: Business Law

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	Understand in details various laws related to business and able to work as legal	100
CO2	adviser of business enterprises	96
CO3	Learn in depth and apply the basic legal knowledge to business enterprises	100
CO4	Understand the characteristics of legal environment and practice business ethics	97
Or as designed in the curriculum		

Course Title: Corporate Tax Planning

Course Code: ENF 230

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 in depth tax provisions to make managerial decisions effectively in various tax related matters	95
CO2	Learn in detail the procedure to be followed to assess the value and determine customs duty	100
CO3	Understand in depth tax provisions relating to Individuals, Firm, Company and Associations of Persons.	96
CO4	Understand the procedure of registration under Taxation	100
Or as designed in the curriculum		

Course Title: Financial Management -II

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	96
CO3	Learn the characteristics of different methods of time value of money and its structure.	100
CO4	Learn the details of Capital Budgeting	97
Or as designed in the curriculum		

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

Course Code: ENF 320

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;	% Attainment (Overall)
CO1	<u>Understand the details of management accounting</u>	95
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	100
CO4	Understand the characteristics of different types of ratios	100
Or as designed in the curriculum		

Course Title: Organisational Behaviour

Course Code: ENF 330

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 in detail the behaviour of employees and able to manage them efficiently	95
CO2	Learn in depth and analyse the behaviour of employees	95
CO3	Identify in details employees performance and able to motivate for effective performance	98
CO4	Learn in details with examples frame policies and strategies in organisation	97
Or as designed in the curriculum		

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Ooty Road, Mysuru

Department: COMMERCE AND MANAGEMENT

Programme Name: BBA

Programme Code:

Session/Year 2019-20

List of POs & PSOs

POID	PO Statement – On successful completion of this Programme, students will be enable to work in ;	% Attainment (Overall)
PO1	Financial Analysts, Tax consultants, Tax Practitioners and Investment consultants	98
PO2	Financial and management accountants	95
PO3	Marketing Manager, Store manager, Purchase Manager and Sales Manager	100
P04	Human Resources Manager, Counsellor	96
P05	Retail Manager, Middle men and Customer relation manager	

Course Title: Entrepreneurship Development

Course Code: CDF 210

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

List of COs

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

Course Title: Taxation - II

Course Code: CDF 230

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	Understand the concept of Depreciation and rates of depreciation	92
CO2	Understand and identify the types of Capital Assets	92
CO3	Understand in detail the concept of Income from other Sources	89
CO4	Learn in depth the computation of Total Income and Tax Liability	90
Or as designed in the curriculum		

Course Title: Human Resource Management - III

Course Code: CDF274

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	90
CO2	Understand the concept of wage policy in India	100
CO3	Learn in depth the objectives of fringe benefits.	90
CO4	Learn in depth the Methods of performance appraisal	92
Or as designed in the curriculum		

Course Title: Financial Management -III

Course Code: CDF 284

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 and identify the features, importance, contribution of financial service in promoting industry and service	93
CO2	Understand the concept of money market and capital market.	94
CO3	Learn in depth the Scope of merchant banking services	100
CO4	Learn in depth the growth of merchant banking in India	88
Or as designed in the curriculum		

Course Title: Financial Management -IV

Course Code: CDF 284

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	Understand and identify the features, importance, contribution of financial service in promoting industry and service	90
CO2	Understand the concept of money market and capital market.	95
CO3	Learn in depth the Scope of merchant banking services	96
CO4	Learn in depth the growth of merchant banking in India	100
Or as designed in the curriculum		

Course Title: Human Resource Management-IV

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	87
CO2	Understand the concept of Quality circles	90
CO3	Learn in depth the types of social Security	100
CO4	Understand and identify the measures to strengthen trade Union movement in India	100
Or as designed in the curriculum		

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Outcome Attainments 2019-20

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.	83.13
BA252	Create a design emerging audio media production.	79.87
BA253	Conceptualize, create, design and strategies high-quality media content for various digital platforms.	83.96
BA254	Appreciate and demonstrate the ability to produce reliable outcome.	83.75
BA255	Demonstrate critical reading, writing and thinking skills.	82.57
BA256	Locate, evaluate, organize and incorporate information effectively.	81.8
BA257	Develop and carry out research project.	85.76
BA258	Demonstrate competence in Standard English Language and usage in documentation.	81.67

CO Attainment

Course Title: Introduction to Communication and Journalism

CO ID	CO	%Attainment
ELA270251	Become Freelance journalist.	100%
ELA270252	To set up the commercial studio.	100%
ELA270253	Become a armature photo journalist.	100%
ELA270254	Stringer for several media houses.	100%

Course Title: Media Industry and Manangement

CO ID	CO	%Attainment
ELC270251	Become a owner of the media house.	100%
ELC270252	Become an Administrator of CEO	100%
ELC270253	To set up the newspaper industry.	100%

Course Title: Reporting and Editing Techniques

CO ID	CO	%Attainment
ELE270251	Prepare news copy	100%
ELE270252	Specialize as fashion reporter	100%
ELE270253	Prepare news copy and editing	100%
ELE270254	Become Freelance journalist	100%

Course Title: Indian Applied Journalism

CO ID	CO	%Attainment
ELE270741	Become news reporters and stringers.	100%
ELE270742	Become circulation manager.	100%
ELE270743	Become script writer.	100%
ELE270744	Gain knowledge about the birth and growth of Indian Media Industry.	100%

Course Title: Practice of Advertising and Public Relation

CO ID	CO	%Attainment
ELF270251	Setup advertising agency.	100%
ELF270252	Prepare the advertising copy for print.	100%
ELF270253	Become script writer-marketing research	100%
ELF270254	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%

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

Department: Physics

Programme Name: B.Sc

Session/Year: 2019-20

List of POs & PSOs

Programme Code:

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	77.7
	DMC29002	Have a clear understanding about reversible and irreversible process	89.8
	DMC29003	Understand the classification and characteristics of entropy and thermodynamic potential	43.5
	DMC29004	Specify in details with examples kinetic theory of gases	71.2
V SEM Solid State Physics	DME29201	Write down in detail with application of crystal structure	56.2
	DME29202	Write down the details of elementary lattice dynamics	45.7

	DME29203	Deliberate in detail with examples magnetic properties of matter	100
	DME29204	Identify the characteristics of elementary band theory	75
V SEM Renewable energy and Energy harvesting	DME29601	Understand the characteristics of fossil fuel	87.6
	DME29602	Learn in detail with application of wind energy	83.8
VI SEM Nuclear and particle physics	DMF29201	Write down in detail with application and properties of nuclei	56.2
	DMF29202	Learn in details with application and properties of nuclei	45.7
	DMF29203	Understand in detail with examples radioactivity	100

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

Outcome Attainments 2019-20

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

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 concepts needed for a proper understanding of Physics.	80.22
PO2	Demonstrate the ability to justify and explain their thinking and/or approach	88.75
PO3	Demonstrate the ability to think , express and present in a clear, logical and succinct arguments	87.56
PO4	Develop state – of – the –art laboratory skills and professional communication skills	100
PO5	Use this 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 concepts needed for a proper understanding of Physics.	100
PO2	Demonstrate the ability to justify and explain their thinking and/or approach	60
PO3	Demonstrate the ability to think, express and present in a clear, logical and succinct arguments	80
PO4	Develop state-of-the-art laboratory skills and professional communication skills	100
PO5	Use this as a basis for ethical behavior in issues facing chemist/drugs	100

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 concepts needed for a proper understanding of Physics.	100
PO2	Demonstrate the ability to justify and explain their thinking and/or approach	100
PO3	Demonstrate the ability to think, express and present in a clear, logical and succinct arguments	97.88
PO4	Develop state-of-the-art laboratory skills and professional communication skills	95.44
PO5	Use this as 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 concepts needed 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 arguments	66.67
PO4	Develop state-of-the-art laboratory skills and professional communication skills	100
PO5	Use this as a basis for ethical behavior in issues facing chemist/drugs	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
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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 CHEMISTRY			
		Understand soil sample for calcium and magnesium content.	91
		Understand water parameters.	99

VI SEMESTER CO po ATTAINMENT

Course title	PO ID	PO	% attainment
FUEL CHEMISTRY	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
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 concept needed for a proper understanding of Physics.	100
PO2	Demonstrate the ability to justify and explain their thinking and/or approach	100
PO3	Demonstrate the ability to think , express and present in a clear, logical and succinct arguments	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
Atomic structure, bonding, General organic chemistry and aliphatic hydrocarbons.	100	65.75	85.67	80	100	100	100	66.66	73.99
Chemical Energetics, equilibria and functional group organic chemistry	80.22	88.5	87.56	100	100	100	100	66.66	73.99
Solutions and organic chemistry	100	60.0	80.0	100	100	100	100	66.66	73.99
Coordination chemistry and physical chemistry	100	100	97.88	95.45	100	100	100	66.66	73.99
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 Chemistry	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

	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

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

Outcome Attainments 2019-20

Department: Mathematics

Programme: B.Sc

Programme Code: BScPCM01/BScPMCs02/BScPMcm03/BScPME04

I SEMESTER

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

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

II SEMESTER

Course title	CO ID	CO	%Attainment
Differential Equations	CO1	Find the general solution and particular solution of a differential equations.	100
	CO2	<i>Distinguish between homogeneous and non homogeneous equations.</i>	86.66667
	CO3	Understand integrating factors and exact equations.	100
	CO4	Distinguish between ordinary and partial differential equations.	100
	CO5	Understand the difference between linearly dependent and independent solutions.	100

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

III SEMESTER

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

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

IV SEMESTER

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

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

V SEMESTER

Course title	CO ID	CO	%Attainment
Linear Algebra	CO1	Understand the concept of vector space	100
	CO2	Understand Euclidian geometry with the help of real inner products.	100
	CO3	Understand the orthogonal projection	100
	CO4	Distinguish between linear and non-	100

		linear transformations	
	CO5	Understand the importance of Matrices in the study of linear transformations..	100

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

VI SEMESTER

Course title	CO ID	CO	%Attainment
Complex Analysis	CO1	Understand the importance of complex numbers and their geometrical representation	100
	CO2	Find the equations of geometrical figures in complex form	100
	CO3	Distinguish between differentiability and analyticity of a function.	100
	CO4	Study the properties of various transformations.	100
	CO5	Understand the importance of conformal mappings.	100

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

VI SEMESTER

Course title	CO ID	CO	%Attainment
Vector calculus	CO1	Understand the concepts of differentiation and partial differentiation of a vector function.	100
	CO2	<i>Study the properties of vectors</i>	100

PO ID	PO	%Attainment
PO1	Demonstrate proficiency in Mathematics and the Mathematical concepts needed for a proper understanding of Physics.	100
PO2	Demonstrate the ability to justify and explain their thinking and/or approach	100

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

Outcome Attainments 2019-20

Department: Mathematics

Programme: BCA

I SEMESTER

Course title	CO ID	CO	%Attainment
Discrete Mathematics and Logic Computatio	CO1	To understand set and their applications	100
	CO2	<i>To study the basic concept in graph theory</i>	100
	CO3	To understand vectors and functions and to distinguish between them.	100
	CO4	To understand the difference between and open statement and mathematical statement.	100
	CO5	To study logic and its importance.	100
	CO6	To study Boolean algebraic and its applicatio	100

PO ID	PO	%Attainment
PO1	Get expected skills to be placed in Is sector and self-employment	60
PO2	To develop abilities for data analysis and interpretation using ICT	40
PO3	Acquire comprehensive knowledge with equal emphasis on theory and practice	50
PO4	Analyze and apply latest technologies to solve problems in the areas of computer applications.	100

V SEMESTER (CBCS)

Course title	CO ID	CO	%Attainment
Business Mathematics	CO1	Specify the characteristic of Matrices and determinants	100
	CO2	<i>Write down in details with examples</i> Matrices and determinants	100
	CO3	Deliberate the characteristics of algebra	100
	CO4	Learn the classification and characteristic of permutation and combination	100
	CO5	Deliberate in details with examples Mathematical induction	100

PO ID	PO	%Attainment
PO1	Get expected skills to be placed in Is sector and self-employment	60
PO2	To develop abilities for data analysis and interpretation using ICT	80
PO3	Acquire comprehensive knowledge with equal emphasis on theory and practice	100

JSS Mahavidyapeetha
JSS College of Arts, Commerce and Science (Autonomous)
 Ooty Road, Mysuru - 570025
Outcome Attainments 2019-20
 Department: **BIOCHEMISTRY**

Programme: **B.Sc**

Programme Code: **BScBBM 07/ BScBMBt06**

I SEMESTER

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

PO ID	PO	%Attainment
PO1	Identify the taxonomic position of plants using principles and methods of nomenclature and classification in Botany	67
PO2	Understand the impact of the plant diversity in societal and environmental context	73
PO3	Demonstrate the knowledge of, and need for sustainable development	89
PO4	Use interdisciplinary approaches with quantitative skills to work on biological problems	89
PO5	Demonstrate the ability to justify and explain their thinking and/or approach	67
PO6	Develop state-of-the-art laboratory and professional communication skills	67
PO7	Apply the scientific method to design, execute, and analyze an experiment	78
PO8	Explain scientific procedures and their experimental observations	67

II SEMESTER

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

PO ID	PO	%Attainment
PO1	Identify the taxonomic position of plants using principles and methods of nomenclature and classification in Botany	73
PO2	Understand the impact of the plant diversity in societal and environmental context	75
PO3	Demonstrate the knowledge of, and need for sustainable development	89
PO4	Use interdisciplinary approaches with quantitative skills to work on biological problems	89
PO5	Demonstrate the ability to justify and explain their thinking and/or approach	67
PO6	Develop state-of-the-art laboratory and professional communication skills	67
PO7	Apply the scientific method to design, execute, and analyze an experiment	83
PO8	Explain scientific procedures and their experimental observations	67

III SEMESTER

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

PO ID	PO	%Attainment
PO1	Identify the taxonomic position of plants using principles and methods of nomenclature and classification in Botany	67
PO2	Understand the impact of the plant diversity in societal and environmental context	67
PO3	Demonstrate the knowledge of, and need for sustainable development	78
PO4	Use interdisciplinary approaches with quantitative skills to work on biological problems	78
PO5	Demonstrate the ability to justify and explain their thinking and/or approach	34
PO6	Develop state-of-the-art laboratory and professional communication skills	67
PO7	Apply the scientific method to design, execute, and analyze an experiment	67
PO8	Explain scientific procedures and their experimental observations	75

II SEMESTER

Course title	CO ID	CO	%Attainment
Metabolism	CO1	Specify the detail of metabolism of lipids	100
	CO2	Understand the detail of metabolism of carbohydrates	100

	CO3	Deliberate the characteristics of metabolism of proteins	100
	CO4	Understand the detail of metabolism of nucleic acids	100

PO ID	PO	%Attainment
PO1	Identify the taxonomic position of plants using principles and methods	67

	of nomenclature and classification in Botany	
PO2	Understand the impact of the plant diversity in societal and environmental context	83
PO3	Demonstrate the knowledge of, and need for sustainable development	83
PO4	Use interdisciplinary approaches with quantitative skills to work on biological problems	83
PO5	Demonstrate the ability to justify and explain their thinking and/or approach	67
PO6	Develop state-of-the-art laboratory and professional communication skills	67
PO7	Apply the scientific method to design, execute, and analyze an experiment	78
PO8	Explain scientific procedures and their experimental observations	67

III SEMESTER

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

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

V SEMESTER

Course title	CO ID	CO	%Attainment
Tools and Techniques in biochemistry	CO1	Learn the detail of chromatography	100
	CO2	Understand the electrophoresis	100
	CO3	Specify the detail of centrifugation	100
	CO4	Learn the detail of spectroscopy	100

PO ID	PO	%Attainment
PO1	Identify the taxonomic position of plants using principles and methods of nomenclature and classification in Botany	62
PO2	Understand the impact of the plant diversity in societal and environmental context	59
PO3	Demonstrate the knowledge of, and need for sustainable development	67
PO4	Use interdisciplinary approaches with quantitative skills to work on biological problems	34
PO5	Demonstrate the ability to justify and explain their thinking and/or approach	53
PO6	Develop state-of-the-art laboratory and professional communication skills	50
PO7	Apply the scientific method to design, execute, and analyze an experiment	55
PO8	Explain scientific procedures and their experimental observations	45

VI SEMESTER

Course title	CO ID	CO	%Attainment
Plant biochemistry	CO1	Learn the detail of Nitrogen Metabolism	100
	CO2	Specify the characteristics of membranes	100
	CO3	Specify the detail of secondary metabolites	100
	CO4	Understand the Concepts Of photosynthesis	100

PO ID	PO	%Attainment
PO1	Identify the taxonomic position of plants using principles and methods of nomenclature and classification in Botany	67
PO2	Understand the impact of the plant diversity in societal and environmental context	67
PO3	Demonstrate the knowledge of, and need for sustainable development	100
PO4	Use interdisciplinary approaches with quantitative skills to work on biological problems	83
PO5	Demonstrate the ability to justify and explain their thinking and/or approach	83
PO6	Develop state-of-the-art laboratory and professional communication skills	
PO7	Apply the scientific method to design, execute, and analyze an experiment	83
PO8	Explain scientific procedures and their experimental observations	

1. Direct Assessment:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
Fundamentals Of Chemistry And Molecules Of Life	66.66667	73.33333 3	88.88889	88.88889 9	66.66667	66.66667	77.77778	66.66667
PHYSIOLOGY	73.33333	75	88.88889	88.88889 9	66.66667	66.66667	83.33333 33	66.66667
Enzymology and Bioenergetics	66.66667	66.66667 7	77.77778	77.77778 8	33.33333	66.66667	66.66667 67	75
Metabolism	66.66667	83.33333 3	83.33333	83.33333 3	66.66667	66.66667	77.77778	66.66667
Nutritional Biochemistry		55.55556 6	66.66667		33.33333	50		50
Tools and techniques of Biochemistry		55.55556 6	66.66667	33.33333 3	50	50	50	44.44444
Plant Biochemistry	66.66667	66.66667 7	100	83.33333 3	83.33333		83.33333 33	
AVERAGE	68	68.01587 7	81.74603	75.92593 3	57.14286	61.11111	73.14815	61.57408
Av*0.8	54.4	54.4127	65.39683	60.74074 4	45.71429	48.88889	58.51852	49.25926

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
Fundamentals Of Chemistry And Molecules Of Life						
PHYSIOLOGY						
Enzymology and Bioenergetics						
Metabolism						
Nutritional Biochemistry	66.66667	50				50
Tools and techniques of Biochemistry	66.66667	44.44444	33.33333	33.33333	55.55556 56	
Plant Biochemistry	88.88889	66.66667	66.66667	66.66667	100	
AVERAGE	74.07408	53.7037	50	50	77.77778 78	50

Av*0.8	59.25926	42.96296	40	40	62.222 22	40
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2. Indirect Assessment

Response by	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
Students	70	70	100	66.66	33.33	100	66.66	100
Teachers	100	66.66	33.33	66.66	33.33	100	100	66.66
Average	85	68.33	66.665	66.66	33.33	100	83.33	83.33
Av*0.2	17	13.666	13.333	13.332	6.666	20	16.666	16.666

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

% Attainment

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
Overall PO/PSO attainment = Attainment (Direct)+Attainment (Indirect)	71.4	68.0787	78.72983	74.07274	52.38029	68.88889	75.18452	65.92526

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO1	PSO2
Overall PO/PSO attainment = Attainment (Direct)+Attainment (Indirect)	75.92526	62.96296	56.666	53.332	82.22222	60	75.92526	62.96296

Department: BIOTECHNOLOGY (UG)

Programme Name: BSc

Programme Code: BSC05/BSC06

Session/Year: 2019-20

List of POs & PSOs

POID	PO Statement	%Attainment
PO1	Developstate-of-the-artlaboratoryskillsandprofessionalcommunicationskills.	86.2
PO2	Applythescientificmethodtodesign,execute,andanalyseanexperiment.	89.4
PO3	Explainthetheoreticalbasisofthetools,technologiesandmethodscommonin Life science.	91.3
PO4	Design and develop solution to biotechnology problems by applying appropriate tools while keeping in mind safety for environment and society.	97.8
PSO1	Apply appropriate techniquesforthequalitative andquantitative analysisof chemicals inlaboratoriesandin industries	89
PSO2	Demonstrate effectively the applications of biochemical and biological sciences.	93.2
PSO3	Know andapply appropriate tools andtechniquesinbiotechnologicalmanipulation	94
PSO4	Understandhisorherresponsibilitiesinbiotechnologicalpractices.	100

Course Title: CELLBIOLOGY& GENETICS

Course Code:DMA220

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

List of COs

CO ID	CO Statement	%Attainment
CO1	Developanunderstandingofthestructureandfunctionsoforganelles.	86.4
CO2	Understandthestructureofchromosomes,types,celldifferentiationandfeaturesofcancer cells.	69.0
CO3	Gaincomprehensiveunderstandingofthechemicalbasisofheredityandmethods.	79.8
CO4	Understandeffectofmutation,mechanismandChromosomalAberrations.	70.0

Course Title: BIOMOLECULES&BIO-ANALYTICALTECHNIQUES Course Code:DMB220
Name of Course In-charge: Uma S/ Shilpa S /Chaitra K /Choodamani M S

CO ID	CO Statement	%Attainment
CO1	Understandtheproperties,mechanismsandbiologicalimportanceofBio-molecules.	85.4
CO2	Comphrendthemechanismofenzymeaction,factorsaffectingitanditsapplications.	70.0
CO3	UnderstandandabletorelatetheprinciplesunderlyingvariousinstrumentsinthefieldofBiology.	78.8
CO4	Compareandcontrasttheroleofbio-moleculesandenzymes.	71.0

List of COs

Course Title: MOLECULARBIOLOGY&GENETICENGINEERING Course Code:DMC220

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

CO ID	CO Statement	%Attainment
CO1	Display a broad understanding of core molecular Biology.	85.6
CO2	Discuss and differentiate the process of Transcription and Translation	93.5
CO3	Explainkeyconceptsofgenomeorganizationandmanipulation.	82.8
CO4	Demonstrateworkingknowledgeinadefinedskillset ofmolecularbiologyandbiotechnologyprotocols.	72.8

List of COs

Course Title: PLANT TISSUE & ANIMAL CELL CULTURE

Course Code: DMD220

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

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

List of Cos Course Title: IMMUNOLOGY&MEDICALBIOTECHNOLOGY

Course Code:DME220

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

List of COs

CO ID	CO Statement	%Attainment
CO1	Understand the role of different types of Cells in immune system .	78.6
CO2	Discusstheprinciplesandapplicationsofimmunologicaltechniques.	90.6
CO3	Understandto diagnosediseases.	89.7
CO4	Comprehendtheknowledgeoftherapeuticapplicationsofenzymeandhormone.	92.2

Course Title: MICROBIALTECHNIQUES Course Code:DME222

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

List of COs

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

Course Title: ENVIRONMENTALBIOTECHNOLOGY&BIOSTATISTICS

Course Code:DMF220

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

CO ID	CO Statement	%Attainment
CO1	Gainanunderstandingofthecauses,typesandcontrolmethodsforEnvironmentalPollution.	90.2
CO2	DifferentiatetheapplicationofdifferentlifeformsinEnvironmentalRemediation.	89.4
CO3	ApplyStatisticalToolsforAnalysisofBiologicalData.	91.3
CO4	ApplyStatisticalToolsfor calculation of standard deviation	97.8

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JSS College of Arts, Commerce and Science
Ooty Road, Mysuru – 570 025, Karnataka, India
Outcome Attainments 2019-20

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	88
PO4	Use interdisciplinary approaches with quantitative skills to work on biological problems	100
PO5	Demonstrate the ability to justify and explain their thinking and/or approach	100
PO6	Develop state-of-the-art laboratory and professional communication skills. Work as a laboratory technician, biochemists or medical scientist	100
PO7	Apply the scientific method to design, execute, and analyze an experiment	66.6
PO8	Explain scientific procedures and their experimental observations	66.6

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

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	88
PO4	Use interdisciplinary approaches with quantitative skills to work on biological problems	100
PO5	Demonstrate the ability to justify and explain their thinking and/or approach	100
PO6	Develop state-of-the-art laboratory and professional communication skills. Work as a laboratory technician, biochemists or medical scientist	100
PO7	Apply the scientific method to design, execute, and analyze an experiment	66.6
PO8	Explain scientific procedures and their experimental observations	66.6

Sl. No.	Course	COID		Attainment
1.	Biodiversity of Microbes and Archegoniate	DMA2300701	Understand the characteristics of viruses	85.5
		DMA2300702	Learn the classification and characteristics of bacteria	96.3
		DMA2300703	Understand the classification and characteristics of fungi	96.3
		DMA2300704	Identify the classification and characteristics of archegoniate	93.9
2.	Plant Ecology, Morphology and Taxonomy	DMB2300701	Learn the classification and characteristics of plant communities	85.5
		DMB2300702	Understand in depth herbarium	96.3
		DMB2300703	Understand in details with examples plant morphology	96.3
		DMB2300704	Specify the characteristics of ecosystem	93.9
3.	Plant Anatomy and Embryology	DMC2300701	Understand the details of histology	93.5
		DMC2300702	Learn the details of embryology	93.5
		DMC2300703	Understand the details of anatomy	96.1
		DMC2300704	Learn in depth translocation in phloem	96.1
4.	Plant Physiology and Metabolism	DMD2300701	Understand the details of photosynthesis	93.5
		DMD2300702		93.5
		DMD2300703	Specify the classification and characteristics of enzyme	96.1
		DMD2300704		96.1
5.	Cell and Molecular Biology	DME2300701	Understand in depth microscopy	97.2

		DME2300702	Learn the details of cell	100
		DME2300703	Specify the details of DNA	98.6
		DME2300704	Learn the details of gene regulation	100
6.	Floriculture	DME2360701	Specify the classification and characteristics of gardening	97.2
		DME2360702	Understand in depth nursery management	100
		DME2360703	Identify in details with examples ornamental plants	98.6
7.	Genetics and Plant Breeding	DMF2300701	Specify the details of heredity	97.2
		DMF2300702	Write down the classification and characteristics of mutations	100
		DMF2300702	Learn the details of plant breeding	98.6
		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	85.5
		DMA2300802	Learn the classification and characteristics of bacteria	96.3
		DMA2300803	Understand the classification and characteristics of fungi	96.3
		DMA2300804	Identify the classification and characteristics of archegoniate	93.9
2.	Plant Ecology, Morphology and Taxonomy	DMB2300801	Learn the classification and characteristics of plant communities	85.5
		DMB2300802	Understand in depth herbarium	96.3
		DMB2300803	Understand in details with examples plant morphology	96.3
		DMB2300804	Specify the characteristics of ecosystem	93.9
3.	Plant Anatomy and Embryology	DMC2300801	Understand the details of histology	93.5
		DMC2300802	Learn the details of embryology	93.5
		DMC2300803	Understand the details of anatomy	96.1
		DMC2300804	Learn in depth translocation in phloem	96.1
4.	Plant Physiology and Metabolism	DMD2300801	Understand the details of photosynthesis	93.5
		DMD2300802		93.5
		DMD2300803	Specify the classification and characteristics of enzyme	96.1
		DMD2300804		96.1

5.	Cell and Molecular Biology	DME2300801	Understand in depth microscopy	97.2
		DME2300802	Learn the details of cell	100
		DME2300803	Specify the details of DNA	98.6
		DME2300804	Learn the details of gene regulation	100
6.	Floriculture	DME2360801	Specify the classification and characteristics of gardening	97.2
		DME2360802	Understand in depth nursery management	100
		DME2360803	Identify in details with examples ornamental plants	98.6
7.	Genetics and Plant Breeding	DMF2300801	Specify the details of heredity	97.2
		DMF2300802	Write down the classification and characteristics of mutations	100
		DMF2300802	Learn the details of plant breeding	98.6
		DMF2300803	Identify in details with examples linkage	100

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Ooty Road, Mysuru

Department: Microbiology

Programme Name: B.Sc(BMBt & BBM)

Programme Code: BSc06 & BSc07

Session/Year: 2019-20

List of POs

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

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

Course Title: BACTERIOLOGY

Course Code:DMB28006 &28007

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

List of CO

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

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

Course Title: MICROBIAL GENETICS AND GENETIC ENGINEERING

Course Code: DMD28006 & 28007

Name of Course In-charge/Coordinator: Niveditha.P.V

List of CO

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

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

Course Title: AGRICULTURAL MICROBIOLOGY

Course Code: DME28006 & 28007

Name of Course In-charge/Coordinator:

List of Cos

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

Course Title: IMMUNOLOGY

Course Code: DMF28006 & 28007

Name of Course In-charge/Coordinator:

List of Cos

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

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
CO1	Understand food related microorganisms, their contamination, spoilage and preservation .
CO2	Understand the beneficial role of microorganisms in fermented dairy products
CO3	Understand how microbiology is applied in manufacture of industrial products
CO4	The underlying principles in downstream processing
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

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
CO1	Gain experience in health clinics such as examination, collection of clinical samples and diagnosis
CO2	Demonstrate scientific quantitative skills, the ability to evaluate experimental design, read graphs.

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 JSS College of Arts, Commerce and Science (Autonomous)
 Ooty Road, Mysuru - 570025 Outcome Attainments 2019-20
 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.	63.32	18.33	81.65
PO2	Students should be able to apply critical and theoretical approaches to the reading and analysis of literary and cultural texts in multiple genres	66.66	15.83	82.49
PO3	Students should be able to identify, analyze, interpret and describe the critical ideas, values and themes that appear in literary and cultural texts and understand the way these ideas, values and themes inform and impact culture and society, both now and in the past.	54.44	16.38	70.82
PO4	Students should be able to write	60.53	17.49	78.03

	analytically in a variety of formats, including essays, research papers, reflective writing, and critical reviews of secondary sources.			
PO5	Students should be able to ethically gather, understand, evaluate and synthesize information from a variety of written and electronic sources.	65.18	16.66	81.84
PO6	Students should be able to understand the process of communicating and interpreting human experiences through literary representation using historical contexts and disciplinary methodologies.	59.25	18.05	77.33

COPO Attainment

CBSC Papers

Course Code:ELA22224

Course Title: Poetry, Drama and Essays

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

Course Code:ELB22224

Course Title: Poetry, Fiction & Essays

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

Course Code:ELC22224

Course Title: Poetry, Drama and Fiction

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

Course Code:ELD22224

Course Title: Poetry, Fiction & Prose

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

Course Code: ELE22224, 225

Course Title: Modern Literature

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

Course Code:ELF22224, 225

Course Title: English Writing in Third World Countries

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

JSS Mahavidyapeetha

JSS College of Arts, Commerce and Science (Autonomous)

Ooty Road, Mysuru - 570025

Outcome Attainments 2019-20

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
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JSS Mahavidyapeetha

JSS College of Arts, Commerce and Science (Autonomous)

Ooty Road, Mysuru - 570025

Outcome Attainments 2019-20

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	72.99
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 20 th 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 ramadhare simhadinakar, Hindi Sarkari Patrachar	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 UpanyasTatha Vanijya Hindi

Paper 4

CO ID	CO	% Attainment
CO 1	1. Learn in details with examples Novel-Gaban by Premchand	100 %
CO 2	2. Understand in details with examples Novel-Gaban by Premchand	100 %
CO 3	3. Understand the details of Novel-Gaban by Premchand	100 %
CO 4	4. Identify the classification and characteristics of 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	83.33	100
Average above	100	83.33	100
Attainment (Direct) = 0.8* Average above	80	66.66	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	72.99	100
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Outcome Attainments 2019-20
Department: Hindi

Programme: BSC

PO ID	PO (BSA) (DMA-01 to 08)	% Attainment
PO 1	Inculcate human values	86.66
PO 2	Avail job opportunities in translation	100
PO 3	Create interest in literature	96.66

Programme Code: DMA050 (DMA – 01 to 08)

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: DMB 050 (DMB – 01 to 08)

Course title :Hindi KahaniaurVyakarna

Paper 2

CO ID	CO	% Attainment
CO 1	1. Write down the details of short stories of 20 th century	100 %
CO 2	2 Identify in depth short stories of 20 th century	100 %
CO 3	3. Identify in details with application, if applicable, short stories 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: DMC 050 (DMC – 0501 to 08)

Course title:**Hindi** NatakaaurVanijya Hindi

Paper 3

CO 1	1.Understand the characteristics of Hindi Natak	100 %
CO 2	2 . Deliberate in details with application, if applicable, Hindi Natak - deep daan by 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: DMD 050 (DMD – 0501 to 08)

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
Course 1	83.33	100	100
Course 3	83.33	100	100
Average above	83.33	100	100
Attainment (Direct) = 0.8* Average above	66.66	80	80

2. Indirect Assessment

Course 4

Attainment as responded by students, teachers

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

Overall PO/PSO attainment = Attainment (Direct)+Attainment (In-direct)	86.66	100	96.66
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Ooty Road, Mysuru - 570025
Outcome Attainments 2019-20

Department: **KANNADA**
Name: Dr. MEENAKSHI

Programme: **BA Programmer**

PO Attainment

Programme Code: **BA23(CBCS)**

POID	PO	80% Attainment	20% Attainment	OVERALL ATTAINMENT %
BA231	DEVELOP HUMAN VALUES & A SENSE OF SOCIAL SERVICE	49.999	14.166	64.166
BA232	BECOME A RESPONSIBLE & DUTIFUL CITIZEN	53.333	18.333	71.666
BA233	ABLE TO ENHANCE CRITICAL TEMPER & CREATIVE ABILITY	43.333	16.666	59.999
BA234	UNDERSTAND & APPRECIATE RELATIONSHIP BETWEEN MAN AND ENVIRONMENT	39.999	16.666	56.665
BA235	TO READ & INTERPRIT ,GENERATE MAPS AND OTHER GEOGRAPHIC REPRESENTATIONS	56.666	17.499	74.165
BA236	UNDERSTAND PHYSICAL- GEOGRAPHIC PROCESS, THE GLOBAL DISTRIBUTION OF LANDFORMS AND ECOSYSTEMS	46.666	16.666	63.332

BA237	ROLE OF THE PHYSICAL ENVIRONMENT ON HUMAN POPULATION	42.222	13.333	55.555
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JSS Mahavidyapeetha
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Department: Computer Science

Programme Name: BCA

Session/Year v sem 19/20

List of POs & PSOs

Programme Code: ECE23001

PO/PSO ID	PO/PSO	%Attainment
PO1	Get expected skills to be placed in IT sector and self-employment.	87.56
PO2	To develop abilities for data analysis and interpretation using ICT.	76.44
PO3	Acquire comprehensive knowledge with equal emphasis on theory and practice.	86.67
PO4	Analyze and apply latest technologies to solve problems in the areas of computer applications.	74.56
PO5	Develop the basic programming skills to enable students to build Utility tools.	91.33
PO6	Get the foundation knowledge for higher studies in the field of Computer Application.	72.67
PO7	Analyze and synthesis computing systems through quantitative and qualitative techniques	73.67
PO8	Develop practical skills to provide solutions to industry, society and business.	78.00
PO9	Work effectively both as an individual and a team leader on multidisciplinary projects.	60.00
PO10	Improves communication skills so that they can effectively present technical information in oral and written reports	65.56
PSO01	Knowledge of contemporary and emerging issues in computer science	67.67
PSO02	Ability to identify, critically analyse, formulate and develop computer application	58.33
PSO03	Learn techniques, skills and modern hardware and software tools necessary for innovative software solutions	72.78
PSO04	Devise and conduct experiments, interpret data and provide well informed conclusions.	60.67
PSO05	Information about computer, technology, organization and management.	81.67

PSO06	Know various computer applications and latest development in IT and communication system.	20.00
PSO07	Act as software programmer, system and Database administrator, web designer, faculty for computer science and computer applications.	15.00
PSO08	Design and conduct experiments, analyze and interpret data.	18.33

*Average from all the courses.

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

Send the sample filled in survey forms for indirect assessment.

Course Title: 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

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Department: Computer Science

Programme Name: BCA

Programme Code: ECE22001

Session/Year v sem 19/20

List of POs & PSOs

PO/PSO ID	PO/PSO	%Attainment
PO1	Get expected skills to be placed in IT sector and self-employment.	87.56
PO2	To develop abilities for data analysis and interpretation using ICT.	76.44
PO3	Acquire comprehensive knowledge with equal emphasis on theory and practice.	86.67
PO4	Analyze and apply latest technologies to solve problems in the areas of computer applications.	74.56
PO5	Develop the basic programming skills to enable students to build Utility tools.	91.33
PO6	Get the foundation knowledge for higher studies in the field of Computer Application.	72.67
PO7	Analyze and synthesis computing systems through quantitative and qualitative techniques	73.67
PO8	Develop practical skills to provide solutions to industry, society and business.	78.00
PO9	Work effectively both as an individual and a team leader on multidisciplinary projects.	60.00
PO10	Improves communication skills so that they can effectively present technical information in oral and written reports	65.56
PSO01	Knowledge of contemporary and emerging issues in computer science	67.67
PSO02	Ability to identify, critically analyse, formulate and develop computer application	58.33
PSO03	Learn techniques, skills and modern hardware and software tools necessary for innovative software solutions	72.78
PSO04	Devise and conduct experiments, interpret data and provide well	60.67

	informed conclusions.	
PSO05	Information about computer, technology, organization and management.	81.67
PSO06	Know various computer applications and latest development in IT and communication system.	20.00
PSO07	Act as software programmer, system and Database administrator, web designer, faculty for computer science and computer applications.	15.00
PSO08	Design and conduct experiments, analyze and interpret data.	18.33

*Average from all the courses.

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

Send the sample filled in survey forms for indirect assessment.

Course Title: ASP.Net

Course Code: ECE22001

Name of Course In-charge/Coordinator:

List of COs

CO ID	CO Statement	%Attainment
CO1	Learn the details of ASP.NET Framework	100
CO2	Learn the details of ASP.NET working Environment	100
CO3	Deliberate in details with examples Standard Control of ASP.NET	100
CO4	Understand the details of Developing Simple Websites Using ASP.NET Controls	100
CO5	Deliberate in depth Developing Simple Web Application Using ASP.NET Controls	100
CO6	Learn the details of Database Access Controls Or as designed in the curriculum	100

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

Department: Computer Science

Programme Name: BCA

Programme Code: ECA21001

Session/Year I sem 19/20

List of POs & PSOs

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

	well informed conclusions.	
PSO05	Information about computer, technology, organization and management.	71.00
PSO06	Know various computer applications and latest development in IT and communication system.	20.00
PSO07	Act as software programmer, system and Database administrator, web designer, faculty for computer science and computer applications.	15.00
PSO08	Design and conduct experiments, analyze and interpret data.	18.33

*Average from all the courses.

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

Send the sample filled in survey forms for indirect assessment.

Course Title: Computer Fundamentals & MIS

Course Code: ECA21001

Name of Course In-charge/Coordinator:

List of COs

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

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

Department: Computer Science

Programme Name: BCA

Programme Code: ECE21001

Session/Year I sem 19/20

List of POs & PSOs

PO/PSO ID	PO/PSO	%Attainment
PO1	Get expected skills to be placed in IT sector and self-employment.	87.56
PO2	To develop abilities for data analysis and interpretation using ICT.	76.44
PO3	Acquire comprehensive knowledge with equal emphasis on theory and practice.	86.67
PO4	Analyze and apply latest technologies to solve problems in the areas of computer applications.	74.56
PO5	Develop the basic programming skills to enable students to build Utility tools.	91.33
PO6	Get the foundation knowledge for higher studies in the field of Computer Application.	72.67
PO7	Analyze and synthesis computing systems through quantitative and qualitative techniques	73.67
PO8	Develop practical skills to provide solutions to industry, society and business.	78.00
PO9	Work effectively both as an individual and a team leader on multidisciplinary projects.	60.00
PO10	Improves communication skills so that they can effectively present technical information in oral and written reports	65.56
PSO01	Knowledge of contemporary and emerging issues in computer science	67.67
PSO02	Ability to identify, critically analyse, formulate and develop computer application	58.33
PSO03	Learn techniques, skills and modern hardware and software tools necessary for innovative software solutions	72.78
PSO04	Devise and conduct experiments, interpret data and provide well	60.67

	informed conclusions.	
PSO05	Information about computer, technology, organization and management.	81.67
PSO06	Know various computer applications and latest development in IT and communication system.	20.00
PSO07	Act as software programmer, system and Database administrator, web designer, faculty for computer science and computer applications.	15.00
PSO08	Design and conduct experiments, analyze and interpret data.	18.33

*Average from all the courses.

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

Send the sample filled in survey forms for indirect assessment.

Course Title: Data Communication and Computer Networks
ECE21001
Name of Course In-charge/Coordinator:

Course Code:

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 Or as designed in the curriculum	100

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

Department: Computer Science

Programme Name: BCA

Programme Code: ECC22001

Session/Year I sem 19/20

List of POs & PSOs

PO/PSO ID	PO/PSO	%Attainment
PO1	Get expected skills to be placed in IT sector and self-employment.	80.00
PO2	To develop abilities for data analysis and interpretation using ICT.	93.33
PO3	Acquire comprehensive knowledge with equal emphasis on theory and practice.	88.00
PO4	Analyze and apply latest technologies to solve problems in the areas of computer applications.	83.00
PO5	Develop the basic programming skills to enable students to build Utility tools.	86.00
PO6	Get the foundation knowledge for higher studies in the field of Computer Application.	96.67
PO7	Analyze and synthesis computing systems through quantitative and qualitative techniques	#DIV/0!
PO8	Develop practical skills to provide solutions to industry, society and business.	56.67
PO9	Work effectively both as an individual and a team leader on multidisciplinary projects.	73.33
PO10	Improves communication skills so that they can effectively present technical information in oral and written reports	43.33
PSO01	Knowledge of contemporary and emerging issues in computer science	51.67
PSO02	Ability to identify, critically analyse, formulate and develop computer application	58.33
PSO03	Learn techniques, skills and modern hardware and software tools necessary for innovative software solutions	63.00
PSO04	Devise and conduct experiments, interpret data and provide well informed conclusions.	58.00
PSO05	Information about computer, technology, organization and management.	68.33

PSO06	Know various computer applications and latest development in IT and communication system.	20.00
PSO07	Act as software programmer, system and Database administrator, web designer, faculty for computer science and computer applications.	15.00
PSO08	Design and conduct experiments, analyze and interpret data.	18.33

*Average from all the courses.

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

Send the sample filled in survey forms for indirect assessment.

Course Title: DBMS

Course Code: ECC22001

Name of Course In-charge/Coordinator:

List of COs

CO ID	CO Statement	%Attainment
CO1	Understand the characteristics of DBMS with examples	100
CO2	Deliberate the details of types of database languages with examples	100
CO3	Learn the details of ER- Diagrams and Relationship	100
CO4	Understand in depth Basic concepts of Relational Model	100
CO5	Learn in details with examples MYSQL Commands	100
CO6	Learn in details with examples in PL-SQL Or as designed in the curriculum	100

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

Department: Computer Science

Programme Name: BCA

Programme Code: ECC22001

Session/Year III sem 19/20

List of POs & PSOs

PO/PSO ID	PO/PSO	%Attainment
PO1	Get expected skills to be placed in IT sector and self-employment.	80.00
PO2	To develop abilities for data analysis and interpretation using ICT.	93.33
PO3	Acquire comprehensive knowledge with equal emphasis on theory and practice.	88.00
PO4	Analyze and apply latest technologies to solve problems in the areas of computer applications.	83.00
PO5	Develop the basic programming skills to enable students to build Utility tools.	86.00
PO6	Get the foundation knowledge for higher studies in the field of Computer Application.	96.67
PO7	Analyze and synthesis computing systems through quantitative and qualitative techniques	#DIV/0!
PO8	Develop practical skills to provide solutions to industry, society and business.	56.67
PO9	Work effectively both as an individual and a team leader on multidisciplinary projects.	73.33
PO10	Improves communication skills so that they can effectively present technical information in oral and written reports	43.33
PSO01	Knowledge of contemporary and emerging issues in computer science	51.67
PSO02	Ability to identify, critically analyse, formulate and develop computer application	58.33
PSO03	Learn techniques, skills and modern hardware and software tools necessary for innovative software solutions	63.00
PSO04	Devise and conduct experiments, interpret data and provide well informed conclusions.	58.00
PSO05	Information about computer, technology, organization and management.	68.33

PSO06	Know various computer applications and latest development in IT and communication system.	20.00
PSO07	Act as software programmer, system and Database administrator, web designer, faculty for computer science and computer applications.	15.00
PSO08	Design and conduct experiments, analyze and interpret data.	18.33

*Average from all the courses.

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

Send the sample filled in survey forms for indirect assessment.

Course Title: JAVA

Course Code: ECC21001

Name of Course In-charge/Coordinator:

List of COs

CO ID	CO Statement	%Attainment
CO1	Deliberate in details with examples Boolean algebra and logic circuits	100
CO2	Learn the details of Data Representation and Computer Arithmetic	100
CO3	. Learn in depth Computer Organization and Design	100
CO4	. Learn the details of architecture of CPU	100
CO5	Deliberate the classification and characteristics of Basic Computer Programming Concepts	100
CO6	Write down in depth Basic Computer Programming Concepts Or as designed in the curriculum	100

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

Department: Computer Science

Programme Name: BCA

Programme Code: ECA23001

Session/Year I sem 19/20

List of POs & PSOs

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

PSO06	Know various computer applications and latest development in IT and communication system.	20.00
PSO07	Act as software programmer, system and Database administrator, web designer, faculty for computer science and computer applications.	15.00
PSO08	Design and conduct experiments, analyze and interpret data.	18.33

*Average from all the courses.

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

Send the sample filled in survey forms for indirect assessment.

Course Title: Object Oriented Programming in C++
ECA23001

Course Code:

Name of Course In-charge/Coordinator:

List of COs

CO ID	CO Statement	%Attainment
CO1	Deliberate the classification and characteristics of Basic of Problem Solving Techniques	100
CO2	Understand the details of Basic of Problem Solving Techniques	100
CO3	Learn in depth Basic concepts of OOPs and C++ Programming Language	100
CO4	Deliberate the details of Control Structures & Arrays in C++	100
CO5	Deliberate the details of Functions in C++	100
CO6	Learn the details of strings & pointers in C++ Or as designed in the curriculum	100

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Department: Computer Science

Programme Name: BCA

Programme Code: ECC23001

Session/Year III sem 19/20

List of POs & PSOs

PO/PSO ID	PO/PSO	%Attainment
PO1	Get expected skills to be placed in IT sector and self-employment.	80.00
PO2	To develop abilities for data analysis and interpretation using ICT.	93.33
PO3	Acquire comprehensive knowledge with equal emphasis on theory and practice.	88.00
PO4	Analyze and apply latest technologies to solve problems in the areas of computer applications.	83.00
PO5	Develop the basic programming skills to enable students to build Utility tools.	86.00
PO6	Get the foundation knowledge for higher studies in the field of Computer Application.	96.67
PO7	Analyze and synthesis computing systems through quantitative and qualitative techniques	#DIV/0!
PO8	Develop practical skills to provide solutions to industry, society and business.	56.67
PO9	Work effectively both as an individual and a team leader on multidisciplinary projects.	73.33
PO10	Improves communication skills so that they can effectively present technical information in oral and written reports	43.33
PSO01	Knowledge of contemporary and emerging issues in computer science	51.67
PSO02	Ability to identify, critically analyse, formulate and develop computer application	58.33
PSO03	Learn techniques, skills and modern hardware and software tools necessary for innovative software solutions	63.00
PSO04	Devise and conduct experiments, interpret data and provide well informed conclusions.	58.00
PSO05	Information about computer, technology, organization and	68.33

	management.	
PSO06	Know various computer applications and latest development in IT and communication system.	20.00
PSO07	Act as software programmer, system and Database administrator, web designer, faculty for computer science and computer applications.	15.00
PSO08	Design and conduct experiments, analyze and interpret data.	18.33

*Average from all the courses.

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

Send the sample filled in survey forms for indirect assessment.

Course Title: Web technology

Course Code: ECC23001

Name of Course In-charge/Coordinator:

List of COs

CO ID	CO Statement	%Attainment
CO1	Learn the details of HTML tags	100
CO2	Understand the details of Basic CSS and implements	100
CO3	Understand the details of Basic Concepts of Java Scripts	100
CO4	. Write down in details with application and Usage of Java scripts	100
CO5	Understand in details with examples Document object Model	100
CO6	Deliberate in depth Basic of XML Or as designed in the curriculum	100

JSS Mahavidyapeetha
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 Ooty Road, Mysuru

Department: Postgraduate Department of English
Programme Name: Masters in English **Programme Code:** ENG
Session/Year: 2019-20

List of POs & PSOs

POID	PO Statement	% Attainment
PO1	Learn English language explored through literature	83.58
PO2	Acquire skills of criticism in reading literary works of different periods of various genres	81.70
PO3	Learn to think logically and relate them to real life scenario about the issues depicted in Literary texts	81.83
PO4	Imbibe good ethics explored in the works of great writers	80.74
PO5	Develop sensibility to understand social, cultural and spiritual issues explored in literaryworks.	85.50
PO6	Recognise and understand figurative language in literary works of various literature	82.95
PO7	Develop skills of appreciation to understand social, political and cultural milieu of various periods of literary development.	82.52
PSO1	Acquire the competence to work as English Language teacher at school and college level.	81.66
PSO2	Gain basic knowledge needed to enrol for M Phil or PhD programmes.	83.38
PSO3	Demonstrate good communication skills	83.03
PSO4	Draft literary essays demonstrating the skills of critical thinking and creative writing	81.84
PSO5	Participate in discussions and debates demonstrating good communication skills	84.85
PSO6	Work as English language trainer	82.30
PSO7	Take up worldwide research opportunities, more knowledgeable to qualify UGC- NET, K-SET and other competitive exams	82.45

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	Understand the poetic devices such as allegory, metaphor, and rhyme	96.56
CO2	Deliberate in depth on Jacobian, Metaphysical poetry	93.37
CO3	Deliberate the details of Chaucer to Milton poetry	86.52
CO4	Understand and deliberate the characteristics of sonnets of Sidney, Spenser and Surrey	95.8

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Department: Postgraduate Department of English
Programme Name: Masters in English **Programme Code:** ENG
Session/Year: 2019-20

List of POs & PSOs

POID	PO Statement	% Attainment
PO1	Learn English language explored through literature	83.58
PO2	Acquire skills of criticism in reading literary works of different periods of various genres	81.70
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PSO6	Work as English language trainer	82.30
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Course Title: Elizabethan Age

Course Code: ENA020

Class : MA - I Sem

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

List of COs

CO ID	CO Statement	% Attainment
CO1	Understand the origin and growth of English Theatres and Renaissance plays	94
CO2	Produce the knowledge of Elizabethan culture, society and politics	98.94
CO3	Analyse Shakespearean Tragedies and Comedies in terms of language, character and Themes	96.71
CO4	Develop the ability to read, summarize and critically analyse Shakespearean sonnets	95.74

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Department: Postgraduate Department of English
Programme Name: Masters in English **Programme Code:** ENG
Session/Year: 2019-20

List of POs & PSOs

POID	PO Statement	% Attainment
PO1	Learn English language explored through literature	83.58
PO2	Acquire skills of criticism in reading literary works of different periods of various genres	81.70
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PSO5	Participate in discussions and debates demonstrating good communication skills	84.85
PSO6	Work as English language trainer	82.30
PSO7	Take up worldwide research opportunities, more knowledgeable to qualify UGC- NET, K-SET and other competitive exams	82.45

Course Title: 17th and 18th Century English Literature

Course Code: ENA030

Class : MA - I Sem

Name of Course In-charge/Coordinator: Dr Shobha

List of COs

CO ID	CO Statement	% Attainment
CO1	Apply knowledge of the historical and cultural contexts of the literature of this period in comprehending the works of major authors	83
CO2	Recognize and understand figurative language, such as allegory and metaphor, and literary techniques, like irony, rhyme, and allusion	93.26
CO3	Reflect and write analytically about the literary texts and their contexts	95.57
CO4	Develop their own skills of literary critical analysis	95.51

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Department: Postgraduate Department of English
Programme Name: Masters in English **Programme Code:** ENG
Session/Year: 2019-20

List of POs & PSOs

POID	PO Statement	% Attainment
PO1	Learn English language explored through literature	83.58
PO2	Acquire skills of criticism in reading literary works of different periods of various genres	81.70
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PSO6	Work as English language trainer	82.30
PSO7	Take up worldwide research opportunities, more knowledgeable to qualify UGC- NET, K-SET and other competitive exams	82.45

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	Understand the major influences on the Romantic and Victorian age	92.74
CO2	Learn the impact of industrialization and urbanization during the period	97.63
CO3	Recognize and understand figurative language explored in Romantic and Victorian Poetry and fiction	97.69
CO4	Learn and appreciate the poetry of Blake, Wordsworth, Coleridge, Shelley, Keats, Browning and Tennyson.	94.61
CO5	Critically analyse the representative texts of the period- Emma, Wuthering Heights, Hard Times and Jude the Obscure	91.89

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Department: Postgraduate Department of English
Programme Name: Masters in English **Programme Code:** ENG
Session/Year: 2019-20

List of POs & PSOs

POID	PO Statement	% Attainment
PO1	Learn English language explored through literature	83.58
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PSO7	Take up worldwide research opportunities, more knowledgeable to qualify UGC- NET, K-SET and other competitive exams	82.45

Course Title: Indian Drama

Course Code: ENA220

Class : MA - I Sem

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

List of COs

CO ID	CO Statement	% Attainment
CO1	Understand the important aspects and features of Indian Drama	96.88
CO2	Learn to interpret and appreciate poetic devices in Indian Classical Dramas	98.44
CO3	Compare and analyse the classical Indian dramas with the contemporary time	98
CO4	Write down the characteristics of interpretation of Indian classical dramas	98.13

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Department: Postgraduate Department of English
Programme Name: Masters in English **Programme Code:** ENG
Session/Year: 2019-20

List of POs & PSOs

POID	PO Statement	% Attainment
PO1	Learn English language explored through literature	83.58
PO2	Acquire skills of criticism in reading literary works of different periods of various genres	81.70
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PSO6	Work as English language trainer	82.30

PSO7	Take up worldwide research opportunities, more knowledgeable to qualify UGC- NET, K-SET and other competitive exams	82.45
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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	Describe the basics of literary/ critical theories	96.56
CO2	Learn the meaning, elements and characteristics of classical literary criticism	93.57
CO3	Learn the technique of early literary criticism	95.88
CO4	Acquire the skills to interpret literary works using literary theories	97.34
CO5	Write down the details of Aristotle's poetics, Longinus' On the Sublime	97.34

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Department: Postgraduate Department of English
Programme Name: Masters in English **Programme Code:** ENG
Session/Year: 2019-20

List of POs & PSOs

POID	PO Statement	% Attainment
PO1	Learn English language explored through literature	83.58
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PSO6	Work as English language trainer	82.30
PSO7	Take up worldwide research opportunities, more knowledgeable to qualify UGC- NET, K-SET and other competitive exams	82.45

Course Title: Indian Writing in English – I

Course Code: ENB030

Class : MA - II Sem

Name of Course In-charge/Coordinator: Ms. Spoorthi C S

List of COs

CO ID	CO Statement	% Attainment
CO1	Explain the origin and growth of Indian English Writing	95.11
CO2	Specify in details with examples poetry of Toru Dutt, Tagore, Sarojini Naidu and Aurobindo.	92.71
CO3	Learn in depth plays of Girish Karnad, Tendulkar, and Dattani	97.50
CO4	Specify in depth Novels of R K Narayan, Mulk Raj Anand and Raja Rao	96.88
CO5	Appreciate and understand the critical essays of Hirianna, Coomaraswamy and Aurobindo	90.8

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Department: Postgraduate Department of English
Programme Name: Masters in English **Programme Code:** ENG
Session/Year: 2019-20

List of POs & PSOs

POID	PO Statement	% Attainment
PO1	Learn English language explored through literature	83.58
PO2	Acquire skills of criticism in reading literary works of different periods of various genres	81.70
PO3	Learn to think logically and relate them to real life scenario about the issues depicted in Literary texts	81.83
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PSO6	Work as English language trainer	82.30
PSO7	Take up worldwide research opportunities, more knowledgeable to qualify UGC- NET, K-SET and other competitive exams	82.45

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

List of COs

CO ID	CO Statement	% Attainment
CO1	Explain the social, political and cultural milieu of the 20th Century England	95.94
CO2	Learn the impact of World War I and II on 20th Century poetry	96.76
CO3	Identify the characteristics and themes of Modern English poetry	94.27
CO4	Appreciate the poetry of great moderns- W B Yeats, TS Eliot, Plath, Seamus Heaney etc	95.91
CO5	Learn to interpret and appreciate the poetic devices of Modern poetry	98

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Department: Postgraduate Department of English
Programme Name: Masters in English **Programme Code:** ENG
Session/Year: 2019-20

List of POs & PSOs

POID	PO Statement	% Attainment
PO1	Learn English language explored through literature	83.58
PO2	Acquire skills of criticism in reading literary works of different periods of various genres	81.70
PO3	Learn to think logically and relate them to real life scenario about the issues depicted in Literary texts	81.83
PO4	Imbibe good ethics explored in the works of great writers	80.74
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PSO1	Acquire the competence to work as English Language teacher at school and college level.	81.66
PSO2	Gain basic knowledge needed to enrol for M Phil or PhD programmes.	83.38
PSO3	Demonstrate good communication skills	83.03
PSO4	Draft literary essays demonstrating the skills of critical thinking and creative writing	81.84
PSO5	Participate in discussions and debates demonstrating good communication skills	84.85
PSO6	Work as English language trainer	82.30
PSO7	Take up worldwide research opportunities, more knowledgeable to qualify UGC- NET, K-SET and other competitive exams	82.45

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	100
CO2	Appreciate the poetry of Kamala Das and Maya Angelou	97.15
CO3	Understand the injustices done towards women in patriarchal society	96.01
CO4	Understand and analyse the works of Emecheta, Atwood, Mahasweta Devi, Simone de Beauvoir, Virginia Woolf and Showalter	100
CO5	Learn the problems faced by women in societies of different traditions and culture	96.64

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Department: Postgraduate Department of English
Programme Name: Masters in English **Programme Code:** ENG
Session/Year: 2019-20
List of POs & PSOs

POID	PO Statement	% Attainment
PO1	Learn English language explored through literature	83.58
PO2	Acquire skills of criticism in reading literary works of different periods of various genres	81.70
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PSO6	Work as English language trainer	82.30
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Course Title: English Essayists

Course Code: ENB220

Class : MA - II Sem

Name of Course In-charge/Coordinator: Dr Shobha& Ms. Spoorthi C S

List of COs

CO ID	CO Statement	% Attainment
CO1	Understand the genre of prose essays and appreciate the essayist's artistic statements	96.43
CO2	Learn to appreciate the literary devices employed by the essayists	96.39
CO3	Analyse the importance of essays as a genre to bring social change based on close reading of the essayist's observations on society.	93.64
CO4	Understand the society and the life of people described in the prescribed essays	95.78
CO5	Deliberate in depth the essays of Bacon, Hazlitt, Bertrand Russell, Charles Lamb and Matthew Arnold	98

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Department: Postgraduate Department of English
Programme Name: Masters in English **Programme Code:** ENG
Session/Year: 2019-20

List of POs & PSOs

POID	PO Statement	% Attainment
PO1	Learn English language explored through literature	83.58
PO2	Acquire skills of criticism in reading literary works of different periods of various genres	81.70
PO3	Learn to think logically and relate them to real life scenario about the issues depicted in Literary texts	81.83
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PSO6	Work as English language trainer	82.30
PSO7	Take up worldwide research opportunities, more knowledgeable to qualify UGC- NET, K-SET and other competitive exams	82.45

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 20th Century England	98.87
CO2	Learn the impact of World Wars on 20th Century drama	98.18
CO3	Analyse the Modern English plays of Beckett and Osborne	99.35
CO4	Learn the details and techniques of modern English essays	99.47
CO5	Analyse the novels of DH Lawrence, Virginia Woolf, EM Forster and Doris Lessing	99.34
CO6	Analyse critically the types of modern theatres such as Absurd and Kitchen sink theatres	99.48

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Department: Postgraduate Department of English
Programme Name: Masters in English **Programme Code:** ENG
Session/Year: 2019-20

List of POs & PSOs

POID	PO Statement	% Attainment
PO1	Learn English language explored through literature	83.58
PO2	Acquire skills of criticism in reading literary works of different periods of various genres	81.70
PO3	Learn to think logically and relate them to real life scenario about the issues depicted in Literary texts	81.83
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PSO7	Take up worldwide research opportunities, more knowledgeable to qualify UGC- NET, K-SET and other competitive exams	82.45

Course Title: Indian Writing in English-II

Course Code: ENC020

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 characteristic features of post-independent Indian Writing in English	93.13
CO2	Write down in details with examples characteristics of Modern Indian writing in English	96.26
CO3	Learn the characteristics of appreciation of short stories of Jahnvi Barua	93.95
CO4	Identify in details with examples appreciation of the fiction of Arundhati Roy and Amitav Ghosh.	97.79
CO5	Understand in depth literary essays of Gayatri Spivak, Aijaz Ahamed and MeenakshiMukherjee.	96.25

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Department: Postgraduate Department of English
Programme Name: Masters in English **Programme Code:** ENG
Session/Year: 2019-20

List of POs & PSOs

POID	PO Statement	% Attainment
PO1	Learn English language explored through literature	83.58
PO2	Acquire skills of criticism in reading literary works of different periods of various genres	81.70
PO3	Learn to think logically and relate them to real life scenario about the issues depicted in Literary texts	81.83
PO4	Imbibe good ethics explored in the works of great writers	80.74
PO5	Develop sensibility to understand social, cultural and spiritual issues explored in literaryworks.	85.50
PO6	Recognise and understand figurative language in literary works of various literature	82.95
PO7	Develop skills of appreciation to understand social, political and cultural milieu of various periods of literary development.	82.52
PSO1	Acquire the competence to work as English Language teacher at school and college level.	81.66
PSO2	Gain basic knowledge needed to enrol for M Phil or PhD programmes.	83.38
PSO3	Demonstrate good communication skills	83.03
PSO4	Draft literary essays demonstrating the skills of critical thinking and creative writing	81.84
PSO5	Participate in discussions and debates demonstrating good communication skills	84.85
PSO6	Work as English language trainer	82.30
PSO7	Take up worldwide research opportunities, more knowledgeable to qualify UGC- NET, K-SET and other competitive exams	82.45

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	Learn the themes and techniques of New Literatures	98.04
CO2	Learn the impact of colonisation on native people and their literature	96.75
CO3	Read and appreciate the texts of various literatures like African, Australian, Canadian and Caribbean countries	97
CO4	Learn the perspectives and concerns of New Literatures in English	98.41
CO5	Appreciate the use of literary devices by commonwealth writers	98.85
CO6	Produce analysis on the essays of Ngugi, Northrop Frye and Wilson Harris	98.04

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: 2019-20

List of POs & PSOs

POID	PO Statement	% Attainment
PO1	Learn English language explored through literature	83.58
PO2	Acquire skills of criticism in reading literary works of different periods of various genres	81.70
PO3	Learn to think logically and relate them to real life scenario about the issues depicted in Literary texts	81.83
PO4	Imbibe good ethics explored in the works of great writers	80.74
PO5	Develop sensibility to understand social, cultural and spiritual issues explored in literaryworks.	85.50
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PSO6	Work as English language trainer	82.30
PSO7	Take up worldwide research opportunities, more knowledgeable to qualify UGC- NET, K-SET and other competitive exams	82.45

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	Learn and appreciate the modern Indian poetry.	100
CO2	Appreciate the poetry of Ezekiel, Naidu, Daruwalla, De Souza, Mahapatra, Parthasarathy, Anita Nair and Vikram Seth.	98.01
CO3	Understand contemporary scenario depicted in modern Indian poetry	98.85
CO4	Acquire the knowledge on trend setting themes explored in contemporary Indian poetry	100

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Session/Year: 2019-20

List of POs & PSOs

POID	PO Statement	% Attainment
PO1	Learn English language explored through literature	83.58
PO2	Acquire skills of criticism in reading literary works of different periods of various genres	81.70
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PSO5	Participate in discussions and debates demonstrating good communication skills	84.85
PSO6	Work as English language trainer	82.30
PSO7	Take up worldwide research opportunities, more knowledgeable to qualify UGC- NET, K-SET and other competitive exams	82.45

Course Title: A Course in Written and Spoken English
Course Code: ENC520
Class : MA - III Sem
Name of Course In-charge/Coordinator: Dr Shobha& Ms Spoorthi C S

List of COs

CO ID	CO Statement	% Attainment
CO1	Understand grammar rules and apply them in conversation and communication	92.70
CO2	Able to write effectively describing impressions, feelings and experiences	89.69
CO3	Understand in depth LSRW Skills.	81.79
CO4	Identify the characteristics of learning basic grammar	86.93
CO5	Write down in details with application, if applicable, speaking skills.	91.04
CO6	Learn the skills of writing resume and business applications.	94.49
CO7	Understand the characteristics of writing essays of various topics	94.22

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Programme Name: Masters in English **Programme Code:** ENG
Session/Year: 2019-20

List of POs & PSOs

POID	PO Statement	% Attainment
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PSO2	Gain basic knowledge needed to enrol for M Phil or PhD programmes.	83.38
PSO3	Demonstrate good communication skills	83.03
PSO4	Draft literary essays demonstrating the skills of critical thinking and creative writing	81.84
PSO5	Participate in discussions and debates demonstrating good communication skills	84.85
PSO6	Work as English language trainer	82.30
PSO7	Take up worldwide research opportunities, more knowledgeable to qualify UGC- NET, K-SET and other competitive exams	82.45

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	Develop the skills of literary critical analysis	92.25
CO2	Understand in depth the various schools of literary criticism	89.0
CO3	Deliberate the details of critical essays of T S Eliot, F R Leavis, Carl Jung	94.69
CO4	Deliberate the details of interpretation of critical essays of Elaine Showalter, Helene Cixous and Spivak.	96.20
CO5	Write down in depth essays of Northrop Frye, Derrida, Elaine Showalter, Helene Cixous etc.	94.67

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List of POs & PSOs

POID	PO Statement	% Attainment
PO1	Learn English language explored through literature	83.58
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PSO5	Participate in discussions and debates demonstrating good communication skills	84.85
PSO6	Work as English language trainer	82.30
PSO7	Take up worldwide research opportunities, more knowledgeable to qualify UGC- NET, K-SET and other competitive exams	82.45

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	100
CO2	Appreciate the poetry of Emily Dickinson, Wallace Stevens, Whitman and Robert Frost	95.86
CO3	Understand the essays of Emerson and Thoreau.	96.78
CO4	Appreciate the novels of Mark Twain, Hemmingway and Bradbury and describe the African American sensibility based on the readings of Toni Morrison, Jamaica Kincaid and Fredrick Douglas's writings	98.79

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Programme Name: Masters in English **Programme Code:** ENG
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List of POs & PSOs

POID	PO Statement	% Attainment
PO1	Learn English language explored through literature	83.58
PO2	Acquire skills of criticism in reading literary works of different periods of various genres	81.70
PO3	Learn to think logically and relate them to real life scenario about the issues depicted in Literary texts	81.83
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PSO2	Gain basic knowledge needed to enrol for M Phil or PhD programmes.	83.38
PSO3	Demonstrate good communication skills	83.03
PSO4	Draft literary essays demonstrating the skills of critical thinking and creative writing	81.84
PSO5	Participate in discussions and debates demonstrating good communication skills	84.85
PSO6	Work as English language trainer	82.30
PSO7	Take up worldwide research opportunities, more knowledgeable to qualify UGC- NET, K-SET and other competitive exams	82.45

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

List of COs

CO ID	CO Statement	% Attainment
CO1	Learn to investigate the area of topic chosen for project work	89.67
CO2	Learn the research skills to prepare the dissertation.	93.65
CO3	Learn research methodology to write research papers	98.8
CO4	Acquire the knowledge and skills to pursue research	95.9

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Department: Postgraduate Department of English
Programme Name: Masters in English **Programme Code:** ENG
Session/Year: 2019-20

List of POs & PSOs

POID	PO Statement	% Attainment
PO1	Learn English language explored through literature	83.58
PO2	Acquire skills of criticism in reading literary works of different periods of various genres	81.70
PO3	Learn to think logically and relate them to real life scenario about the issues depicted in Literary texts	81.83
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PSO4	Draft literary essays demonstrating the skills of critical thinking and creative writing	81.84
PSO5	Participate in discussions and debates demonstrating good communication skills	84.85
PSO6	Work as English language trainer	82.30
PSO7	Take up worldwide research opportunities, more knowledgeable to qualify UGC- NET, K-SET and other competitive exams	82.45

Course Title: Dalit Literature

Course Code: END230

Class : MA - IV Sem

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

List of COs

CO ID	CO Statement	% Attainment
CO1	Explain the origin and growth of Dalit literature in India.	98.27
CO2	Explain the sufferings of marginalised in Dalit writings	97.23
CO3	Compare and analyse the life of oppressed in various languages translated into English like Kannada, Gujarathi, Punjabi, Tamil and Telugu.	97.38
CO4	Compare and analyse the different forms of Dalit Literature based on different experiences.	97.40
CO5	Understand the classification and characteristics of Dalit Movement in post-independent India	98.23

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Ooty Road, Mysuru – 570 025, Karnataka, India
2019-20

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.	80
		CO2	Learning this course content will develop the ideas with the fundamental aspects in analytical chemistry.	90
		CO3	Students will be enriched with explored topics such as experimental design, sampling, calibration strategies, standardization, optimization, statistics, and the validation of experimental results.	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.	90
Inorganic Chemistry-I	CHA 100	CO1	Understand the details of Molecular symmetry and group theory and applications, Representation of groups.	100
		CO2	Learn in details with examples VSEPR model, Non-aqueous solvents, Electron deficient compounds, Lanthanides & Actinides.	100
		CO3	Understand the classification and characteristics of Organometallics of transition metals.	90
		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.	100
		CO3	Learn the classification and characteristics of Heterocyclic chemistry.	100
Physical	CHA	CO1	Learn in depth Concepts of entropy and free energy, Partial molar	100

Chemistry-I	120		properties.	
		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.	80
Organic Chemistry Practicals	CHA 070	CO1	Students are involved in the multi-step synthesis of different organic compounds.	100
		CO2	Understand the qualitative analysis of binary mixture of organic compounds through separation, identification of functional groups and preparation of solid derivatives.	100
Physical Chemistry Practicals	CHA 080	CO1	Understand the details of instruments like UV-Visible Spectrophotometer, Potentiometer, pH meter, etc.	100
		CO2	Learn the details of concentration of the species in given solutions using kinetic methods.	100
		CO3	Understand the characteristics of physical properties of substances.	100
		CO4	Learn the characteristics of different thermodynamic parameters.	100

Separation Techniques	CHB 090	CO1	Knowledge of various physico-chemical separation techniques with principle, mechanism of separation, materials or compounds or analytes in the sample to be separated.	100
		CO2	Built in ability to select appropriate separation technique for intended problem.	100
		CO3	Capacity and scope of the built knowledge to separate analytes in multi-	100

			component mixtures.	
		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 properties.	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.	70
		CO3	Understand in details with examples Photochemistry and concerted reactions, Electrocyclic reactions.	50
Physical Chemistry - II	CHB 120	CO1	Learn in depth Quantum Chemistry.	90
		CO2	Learn in details with examples Microwave and Vibration spectroscopy.	70
		CO3	Understand in depth Raman and UV-Visible spectroscopy.	80
		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
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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 developed with 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.	90
		CO7	Develop the skills on instrumental methods for planning, developing, conducting, reviewing, conducting experiments and reporting results.	100
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.	100
		CO3	Learn the characteristics of ¹³ C-NMR spectroscopy.	60

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.	80
		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.	90
Inorganic Chemistry Practicals	CHC 220	CO1	Learn in depth analysis of various complex mixtures by multistep reactions.	100
		CO2	Understand the details of instruments and to overcome the general problems arises during the analysis.	100
		CO3	Learn in depth sampling, analytical and interpretation and presentation of results.	100
		CO4	Learn the details of Preparation and characterization of complexes.	100
Organic Chemistry Practicals	CHC 230	CO1	Learn in depth various estimations like sugars, enol content, ketones, nitro, protein etc.	100
		CO2	Learn in depth multistep synthesis and also mechanisms.	100
		CO3	Specify the details of reactions under multistep synthesis.	100
		CO4	Identify in depth isolation experiments, preliminary identification and separation.	100
Physical Chemistry Practicals	CHC 240	CO1	Learn the details of handling instruments and to overcome the general problems arises during the analysis.	100
		CO2	Learn the details of concepts of rate constants, energy of activation, order of the reaction.	100
		CO3	Learn in depth thermodynamics parameters.	100
		CO4	Specify in depth kinetics experiments.	100
Bioinorganic Chemistry	CHD 010	CO1	Understand in details with examples Structural and molecular biology, Bioenergetics, Sodium and potassium-channels and pumps, Biochemistry of calcium, Vitamin B12 and Coenzymes.	100
		CO2	CO2: Understand the characteristics of Electron transport proteins and redox enzymes, Non-redox metalloenzymes.	90
		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.	70
Advanced Physical	CHD 020	CO1	Learn in details with examples Understand the characteristics of Kinetics and Thermodynamics of Polymerization, Copolymerization, Polymer	100

Chemistry			molecular weights, Conducting Polymers.	
		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.	70
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.	
Inorganic Chemistry Practicals	CHD 220	CO1	Learn in depth analysis of various complex mixtures by multistep reactions.	100
		CO2	Understand the details of instruments and to overcome the general problems arises during the analysis.	100
		CO3	Learn in depth sampling, analytical and interpretation and presentation of results.	100
		CO4	Learn the details of Preparation and characterization of complexes.	100
Organic Chemistry Practicals	CHD 230	CO1	Learn in depth various estimations like sugars, enol content, ketones, nitro, protein etc.	100
		CO2	Learn in depth multistep synthesis and also mechanisms.	100
		CO3	Specify the details of reactions under multistep synthesis.	100
Physical Chemistry Practicals	CHD 240	CO4	Identify in depth isolation experiments, preliminary identification and separation.	100
		CO1	Learn the details of handling instruments and to overcome the general problems arises during the analysis.	100

		CO2	Learn the details of concepts of rate constants, energy of activation, order of the reaction.	100
		CO3	Learn in depth thermodynamics parameters.	100
Project /Dissertation	CHD 250	CO1	Understand in details with examples literature survey on the problem/s to be solved.	100

Work		CO2	Learn the details of suitable research methodologies to propose and to perform experiments.	100
		CO3	Understand in depth ability to take up research work.	90
		CO4	Understand the details of research articles, patents, book chapters or books on relevant research problem.	100
		CO5	Learn in depth skills of writing research reports in the form of articles or thesis.	100

1. Direct Assessment:

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CHA 090	91.4	92.3	91.7	92.9	92.0	93.3	93.3	91.0	93.6			
CHA 100	78.23	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	30
CHA 050	100	100	100	100	100	100	100	100	100	100	100	100
CHA 060	78.23	100	99	100	100	99	100	100		100		
CHA 070	100	100	100	100	100	100	100	100	100	100	100	100
CHA 080	100	100	100	100	100	100	100	100	100	100	100	100
CHB 090	100	100	100	100	100	100	100	100	100	100	100	100
CHB 100	96	100	98.23	100	100	98.2	100	100		99		
CHB 110	100	100	100	100	100	100	100	100	94	100	33	50
CHB 120	100	100	100	100	100	100	100	100	90	100	50	30
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	90	100	80	90	100	80	100	90	90	100
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	100		99		
CHC 230	100	100	100	100	100	100	100	100	100	100	100	100
CHC 240	100	100	100	100	100	100	100	100	100	100	100	100
CHD 010	97	100	100	100	100	98	100	100		98		

CHD 020	100	100	100	100	100	100	100	100	90	100	80	50
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	97.24	99.73	99.01	99.76	99.03	99.09	99.77	99.00	97.70	99.43	86.80	85.50
Av*0.8	77.79	79.79	79.21	79.80	79.23	79.27	79.82	79.20	78.16	79.54	69.44	68.40

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)	97.79	99.79	99.21	99.80	99.23	99.27	99.82	99.20	98.16	99.54	89.44	88.40

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

Department: PG Mathematics

Programme Name: M.Sc.,

Session/Year:2019-20

Programme Code:

List of POs & PSOs

POID	PO Statement	% Attainment (Overall)*
PO1	To move away from the conventional pedagogy of teaching mathematics	85.62
PO2	To include methods of facilitating learning such as projects, group work and participative learning	80.34
PO3	To Innovate, invent and solve complex mathematical problems using the knowledge of pure and applied mathematics	79.69
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.	75.71
PO6	To provide in-service training for school teachers. To learn to apply mathematics to real life situations and help in problem solving	80.22
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	83.61
PSO2	Propose new mathematical and statistical questions and suggest possible software	78.42

PSO3	Continue to acquire mathematical and statistical knowledge and skills appropriate to	80.7
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.	89.88
PSO6	Apply knowledge of Mathematics, in all the fields of learning including higher research and its extensions.	86.97

*Average from all the course 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.

List of COs

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

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

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

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, conformal mapping, evaluate definiteintegrals	90
CO6	Understand different types of Cauchy theorems and Cauchy integral formula and apply these to evaluate integrals	90

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

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

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

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

ODPDE	CO1	Solve problems in ordinary differential equations, dynamical systems, stability theory and a number of applications to scientific and engineering problems	100
	CO2	The study of Differential focuses on the existence and uniqueness of solutions also emphasizes the rigorous justification of methods for approximating solutions in pure and applied mathematics by using power series method some polynomials.	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 laws of physics and chemistry.	100

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

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:MAC210Name 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

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

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

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

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 Mahavidyapeetha
**JSS College of Arts, Commerce and
Science**

Department: PG

Ooty Road, Mysuru

**Programme Name: Computer Science
2019-20**

Programme Code: MCSC01Session/Year -

List of POs & PSOs

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

Course Title: DATA STRUCTURES & ALGORITHMS

Course Code: CSA100

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

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

Course Title: System Software

Course Code:CSA110**Name of Course**

In-charge/Coordinator: Mrs. Sumanashree Y S

List of COs

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

Course Title: Computer Networks

Course Code: CSA120**Name of Course**

In-charge/Coordinator: Mrs.Geethanjali R

List of COs

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

List of COs

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

Course Title: Java Programming

Course Code:CSA270**Name of Course**

In-charge/Coordinator: Mrs.Mamatha N

List of COs

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

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

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

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. MEHER TAJ

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

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

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

List of COs

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

Course Title: Computer Fundamentals

Course Code: CSC630**Name of Course**

In-charge/Coordinator: Mrs.Mamatha N

List of COs

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

Course Title: Data Mining

Course Code:CSD230**Name of Course**

In-charge/Coordinator: Mrs.Apoorva .S

List of COs

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

Course Title:internet Technology

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

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

ANNEXURE I: Lists of PO, PSO and Cos PO M.SC.
BOTANY (2019-2020)

Sl. No.	POID	PO	ATTAINMENT
1	BOT20PO1	Conduct investigations of complex problems by the use of research-based knowledge on an independent term project.	79.23
2	BOT20PO2	Transfer of appropriate knowledge and methods from one topic to another within the subject.	88.30
3	BOT20PO3	Carry out practical work, in the field and in the laboratory, with minimal risk.	86.66
4	BOT20PO4	Able to think logically and organize tasks into a structured form and assimilate knowledge and ideas based on wide reading of text books and through the internet.	85.16
5	BOT20PO5	Apply the scientific knowledge of basic science, life sciences and fundamental process of plants to study and analyze any plant form.	87.31
6	BOT20PO6	Knowledge and understanding of the range of plant biology in terms of structure, function and environmental relationships.	90.19
7	BOT20PO7	Apply reasoning informed by the contextual knowledge to assess plant diversity, and the consequent responsibilities relevant to the biodiversity conservation Practice.	79.93

PSOM.SC.BOTANY(2019-2020)

Sl. No.	COURSE	PSOID	PSO	ATTAINMENT
1.	Algal Biology and Biotechnology	BOA230	Phylogeny, thallus organization, economic and ecological importance of algal community	90.56
2.	Biochemistry and Plant Physiology	BOC030	Biomolecules, metabolic pathways and stress physiology in plants	99.00
3.	Cell Biology and Genetics	BOB020	Cell originals and Mendelian principles	88.33
4.	Ecology, Conservation Biology and Phytogeography	BOD010	Diversity of vegetation, distribution and its conservation	91.00
5.	Economic Botany	BOB220	Economic values of different crop plants and their applications	89.33
6.	Major Project	BOD020	Hands on experience in various fields of plant science	97.33
7.	Molecular Biology	BOC040	Molecular level organization in prokaryotes and eukaryotes with respect to various mechanisms involved	87.33
8.	Plant Anatomy and Histochemistry	BOB210	Anatomical features and organization of cells in plants	91.33
9.	Plant Breeding and Evolutionary Biology	BOB030	Plant breeding methods, procedures and their application for crop improvement	92.67
10.	Plant Biotechnology	BOC050	Tissue culture techniques and its application in development of resistant varieties	88.33
11.	Plant Propagation and Plant Breeding	BOC230	Propagation methods and plant breeding procedures and their application in different fields	91.67
12.	Plant Propagation Techniques	BOC640	Propagation methods and procedures and their application in different fields	91.33
13.	Phycology, Bryophytes, Pteridophytes and Gymnosperms	BOA050	Distribution, classification and phylogeny of lower plant communities	90.56
14.	Phytopathology	BOA240	Concepts of plant diseases defense mechanisms in plants and study of plant diseases	88.67
15.	Reproductive Biology of Angiosperms and Plant Morphogenesis	BOB010	Embryological study of growth and development using plant models	86.89
16.	Seed Technology	BOD210	Industrial scale processing of seeds up to marketing	87.22
17.	Systematics of Angiosperms	BOA060	Angiospermic plant family study with their phylogeny	97.00
18.	Virology, Bacteriology, Mycology and Plant Pathology	BOA040	Diversity, distribution of microorganism with respect to their economic aspects	98.00

COM.SC.BOTANY(2019-2020)

Sl. No.	COURSE	COID	CO	ATTAINMENT
1.	Algal Biology and Biotechnology	BOA2301	Specify in depth of thallus organization and phylogeny in algae	100
2.	Algal Biology and Biotechnology	BOA2302	Understand the details of toxins, blooms and distributions of algae	100
3.	Algal Biology and Biotechnology	BOA2303	Deliberate in depth about cultivation and marketing of algae	100
4.	Algal Biology and Biotechnology	BOA2304	Specify the details of Algal products and uses	100
5.	Biochemistry and Plant Physiology	BOC0301	Learn in details with biomolecules and their function	100
6.	Biochemistry and Plant Physiology	BOC0302	Understand in depth about solute transport and photosynthesis in plants	100
7.	Biochemistry and Plant Physiology	BOC0303	Specify the details of metabolism of nitrogen, lipids and plant hormones	100
8.	Biochemistry and Plant Physiology	BOC0304	Understand in depth about Stress physiology	100
9.	Cell Biology and Genetics	BOB0201	Learn in detail about cell membrane transport and proteins	100
10.	Cell Biology and Genetics	BOB0202	Deliberate the Functions of cell organelles, programmed cell death	100
11.	Cell Biology and Genetics	BOB0203	Specify the extensions of Mendelian principles	100
12.	Cell Biology and Genetics	BOB0204	Learn about Sex determination and dosage compensation	100
13.	Ecology, conservation Biology and Phytogeography	BOD0101	Understand the diversity of ecosystem and types of ecosystems	100
14.	Ecology, conservation Biology and Phytogeography	BOD0102	Learn in details of pollution and environmental biology	100

15.	Ecology, conservation Biology and Phytogeography	BOD0103	Study the importance of biodiversity and conservation biology	100
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16.	Ecology, conservation Biology and Phytogeography	BOD0104	Detailed study of phytogeography and crop distribution	100
17.	Economic Botany	BOB2201	Specify the details of cereals, millets, pulses, oil yielding plants and study of horticultural plants and floriculture	100
18.	Economic Botany	BOB2202	Deliberate the characteristics of sugar yielding plants, spices and condiments	100
19.	Economic Botany	BOB2203	Understand the importance of fiber, timber and gum yielding plant	100
20.	Economic Botany	BOB2204	Deliberate on the medicinal plants and their applications	100
21.	Major Project	BOD0201	Learn the details of literature survey and methodology in research	100
22.	Molecular Biology	BOC0401	Identify the characteristics of genetic materials and its replication	100
23.	Molecular Biology	BOC0402	Learn the details of molecular basis of mutation, repair and recombination	100
24.	Molecular Biology	BOC0403	Deliberate the details of RNA formation, processing of RNA and post-RNA	100
25.	Molecular Biology	BOC0404	Understand in depth of gene regulation in prokaryotes and eukaryotes	100
26.	Plant Anatomy and Histochemistry	BOB2101	Learn in details of primary vegetative body of the plants	100
27.	Plant Anatomy and Histochemistry	BOB2102	Deliberate in details of differentiation in vascular tissues and study of apical meristems in shoot and root	100
28.	Plant Anatomy and Histochemistry	BOB2103	Deliberate the characteristics of secondary growth	100
29.	Plant Anatomy and Histochemistry	BOB2104	Understand the details of plant histochemistry	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.	Evolutionary biology	BOC2301	Learn the details of importance of plant propagation, vegetative propagation and micro propagation	100
39.	Evolutionary biology	BOC2302	Understandingofbasicconceptsofplant breedingandgenetics	100
40.	Evolutionary biology	BOC2303	Studytypes,purposesofplantbreeding	100
41.	Evolutionary biology	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.	PlantPropagationTechniques	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, Pteridophytes and Gymnosperms	BOA0502	Deliberate in depth of Bryophytes life cycle, classification, phylogeny and Economic importance	100
48.	Phycology, Bryophytes, Pteridophytes and Gymnosperms	BOA0503	Understand the details of Pteridophytes life cycle, phylogeny, classification, economic importance and anatomy	100

49.	Phycology, Bryophytes, Pteridophytes and Gymnosperms	BOA0504	Write down in details with examples Gymnosperms history, reproduction, economic importance and interrelationship	100
50.	Phytopathology	BOA2401	Learn the details of the concept, causative agents and disease cycle of plant pathogens	100
51.	Phytopathology	BOA2402	Deliberate the details of defense mechanisms in plants and its genetics	100
52.	Phytopathology	BOA2403	Study of Management of plant diseases	100
53.	Phytopathology	BOA2404	Identify in details with examples of diseases in crop plants	100
54.	Reproductive Biology of Angiosperms and Plant Morphogenesis	BOB0101	Understanding the micro sporogenesis and historical overview	100
55.	Reproductive Biology of Angiosperms and Plant Morphogenesis	BOB0102	Specify in details with examples about mega sporogenesis, fertilization, endosperm and embryo	100
56.	Reproductive Biology of Angiosperms and Plant Morphogenesis	BOB0103	Specify the details of models and concepts of plant morphogenesis	100
57.	Reproductive Biology of Angiosperms and Plant Morphogenesis	BOB0104	Understand in details with examples of plant growth and development, photo morphogenesis	100
58.	Seed Technology	BOD2101	Understand the seed science and concepts	100
59.	Seed Technology	BOD2102	Study the seed production and processing methods	100
60.	Seed Technology	BOD2103	Learn about seed quality parameters and tests	100
61.	Seed Technology	BOD2104	Deliberate the procedure of seed certification	100
62.	Systematics of Angiosperms	BOA0601	Understand the principles and applications of Taxonomy of angiosperms	100

63.	Systematics of Angiosperms	BOA0602	Specify the details of taxonomic literature	100
64.	Systematics of Angiosperms	BOA0603	Deliberate in details with examples Dicot and monocot families and features of classification systems	100

65.	Systematics of Angiosperms	BOA0604	Specify in details molecular systematics with examples of softwares and databases	100
66.	Virology, Bacteriology, Mycology and Plant Pathology	BOA0401	Learn the classification and characteristics of viruses, viroids, prions and diseases of it	100
67.	Virology, Bacteriology, Mycology and Plant Pathology	BOA0402	Deliberate in details with examples of Bacteria, archeobacteria, actinomycetes and mycoplasma and its economic importance	100
68.	Virology, Bacteriology, Mycology and Plant Pathology	BOA0403	Specify the Fungal diversity, lifecycle and economic importance of fungi	100
69.	Virology, Bacteriology, Mycology and Plant Pathology	BOA0404	Understand in details of etiology, distribution and management of plant disease	100

**JSS COLLEGE OF ATRS, COMMERCE AND SCIENCEOOTY ROAD
MYSURU-25
PG DEPARTMENT OF PHYSICSCO-
ATTAINMENT 2019-20**

COURSE	COURSE CODE	COID	CO'S	ATTAINMENT (%)
Classical Mechanics	PHY101	CO1	Deliberate the characteristics of Mechanics system of particles	95.0
		CO2	Specify in depth The Lagrangean method	80.0
		CO3	Learn in details with examples Central forces	90.33
		CO4	Write down the details of Hamilton's equations	86.67
		CO5	Deliberate the characteristics of Canonical transformations	82.67
Mathematical Methods of Physics 1	PHY102	CO1	Specify the characteristics of Curvilinear coordinates and Tensors	95.0
		CO2	Write down in depth Tensors	80.0
		CO3	Learn in details with application, if applicable, Differential equations, Hermite function and Laguerre functions	93.33
		CO4	Write down the details of Special functions	86.67
		CO5	Write down in details with application, if applicable, Bessel functions	81.67
Mathematical Methods of Physics 2	PHY103	CO1	Understand the classification and characteristics of Linear vector space	86.67
		CO2	Specify the characteristics of Linear representations of groups	91.67
		CO3	Deliberate in details with application, if applicable, Rotation group	85.0
		CO4	Understand the details of Fourier transforms	91.67

		CO5	Understand in details with examples Integral equations	76.67
Optics, Classical Electrodynami	PHY104	CO1	Write down in details with examples Electric multipole moments	93.33
		CO2	Deliberate the characteristics of Potential formulation	83.33

cs, Plasma Physics		CO3	Specify in details with application, if applicable, Fields of moving charges and radiation	96.67
		CO4	Learn the characteristics of Radiating systems	80.0
		CO5	Learn the details of Relativistic electrodynamics	86.67
Continuum Mechanics and Relativity	PHY201	CO1	Write down the details of Continuum mechanics of solid media	98.33
		CO2	Understand the characteristics of Fluid mechanics	78.33
		CO3	Deliberate in details with examples Minkowski space-time	86.67
		CO4	Specify the classification and characteristics of Relativistic mechanics of a material particle	56.67
		CO5	Specify the characteristics of Einstein's equations	78.33
Thermal Physics	PHY202	CO1	Identify the classification and characteristics of Thermodynamics Preliminaries	81.67
		CO2	Deliberate in depth Entropy	63.33
		CO3	Specify in depth Phase equilibria	81.67
		CO4	Deliberate the characteristics of Classical Statistical Mechanics	63.33
		CO5	Deliberate the classification and characteristics of Quantum Statistical Mechanics	78.33
Quantum Mechanics 1	PHY203	CO1	Understand in depth The wave function and uncertainty Principle	68.33
		CO2	Specify in depth Formalism of quantum mechanics	83.33
		CO3	Understand the details of Schrodinger equation in one dimension	91.67
		CO4	Deliberate the details of Angular Momentum	78.33
		CO5	Understand in depth Schrodinger equation in three dimensions	86.67

Spectroscopy and Fourier Optics	PHY204	CO1	Specify the details of Atomic spectroscopy	56.67
		CO2	Identify in details with application, if applicable, Nuclear magnetic resonance	90.0
		CO3	Specify in depth Microwave spectroscopy	93.33

		CO4	Specify in depth Infrared spectroscopy	66.67
		CO5	Write down in details with application, if applicable, Raman spectroscopy	78.33
Quantum Mechanics 2	PHY301	CO1	Learn in details with application, if applicable, The time-independent perturbation theory	75.5
		CO2	Learn the characteristics of The Variational Principle	75.42
		CO3	Understand in details with application, if applicable, WKB Approximation	74.8
		CO4	Deliberate in details with examples Adiabatic approximation	74.8
		CO5	Deliberate in details with application, if applicable, Time-dependent perturbation theory	74.8
Condensed Matter Physics	PHY302	CO1	Write down the classification and characteristics of X-ray crystallography	98.39
		CO2	Identify in details with examples Atomic scattering factor	87.10
		CO3	Specify in details with examples Electron and neutron diffraction	93.55
		CO4	Identify in details with examples Crystal growth techniques	90.32
		CO5	Learn the details of Disordered materials	90.32
Nuclear and Particle Physics	PHY303	CO1	Specify in details with application, if applicable, Properties of the Nucleus	96.77
		CO2	Learn in details with application, if applicable, Nuclear Models	96.55
		CO3	Specify the characteristics of Nuclear reactions	96.77
		CO4	Deliberate in depth Nuclear decay modes	56.45
		CO5	Understand the classification and characteristics of Interaction of nuclear radiation with matter	85.48
		CO1	Specify in details with application, if applicable, basic concepts of properties of Solid	90.63

Solid State Physics 1	PHY304	CO2	Deliberate in details with application, if applicable, Dielectrics; Properties and classification	93.75
		CO3	Specify the classification and characteristics of Ferroelectrics; Properties and classification	93.75
		CO4	Specify the characteristics of thermal and vibrational properties of solids	87.5

		CO5	Learn the characteristics of tight-binding approximation	87.5
Nuclear Physics 1	PHY305	CO1	Specify in details with examples Nuclear detectors	96.67
		CO2	Understand in depth Nuclear pulse techniques	96.67
		CO3	Learn the details of Shell model	100.0
		CO4	Understand the classification and characteristics of Collective model	96.67
		CO5	Identify the classification and characteristics of Nilsson model	100.0
Solid State Physics 2	PHY401	CO1	Learn the details of X-ray diffraction by crystals	100.0
		CO2	Identify the details of Experimental techniques	87.5
		CO3	Deliberate in depth Structure analysis	96.88
		CO4	Learn the classification and characteristics of Particle Size study of Fibre structure	50.0
		CO5	Specify in depth Imperfections in solids	71.88
Solid State Physics 3	PHY402	CO1	Write down in details with application, if applicable, Free electron theory of metals	100.0
		CO2	Identify the characteristics of Electrical conductivity	87.5
		CO3	Deliberate in details with examples Hall effect	96.88
		CO4	Write down the classification and characteristics of Elemental and Compound Semiconductors	46.88
		CO5	Deliberate in details with application, if applicable, Carrier concentrations	71.88
		CO1	Write down the details of nuclear fission	96.67
		CO2	Write down in details with application, if applicable, Neutron transport equation using elementary diffusion theory	96.67

Nuclear Physics 2	PHY403	CO3	Specify the details of Fermi age theory	96.67
		CO4	Specify in depth homogeneous reactor	96.67
		CO5	Analyse the beta, gamma scattering	100.0

Nuclear Physics 3	PHY404	CO1	Write down the details of Deuteron	100.0
		CO2	Understand in details with application, if applicable, Deuteron magnetic and Quadrupole moments	100.0
		CO3	Understand the details of Nucleon-nucleon scattering processes	90.0
		CO4	Write down in details with examples Theory of scattering of slow neutrons	93.33
		CO5	Specify in details with examples Plane wave theory of direct reactions	73.33
Accelerator Physics	PHY407	CO1	Specify in details with application, if applicable, ion Source	85.48
		CO2	Deliberate the details of Alternating gradient machines	100.0
		CO3	Understand the working of Betatron	87.1
		CO4	Learn the details of Ion sources	83.87
		CO5	Write down the characteristics of Townsend theory	88.71
Electronics	PHYs	CO1	Learn analyzing digital and analog devices and circuits	85.48
		CO2	Analyze components associated with digital and analog electronic systems	96.77
		CO3	Demonstrate proficiency in the use of electronic equipment and devices	88.71
		CO4	Assist in the design, operation, and troubleshooting of electronic systems	85.48
		CO5	Analyze electronics devices and circuits using computer simulations	90.32

JSS COLLEGE OF ATRS, COMMERCE AND SCIENCEOOTY ROAD MYSURU-25
PG DEPARTMENT OF PHYSICSPO-
ATTAINMENT 2019-20

SUBJECT	COID	PO'S	ATTAINMENT (%)
MSc Physics	PO1	entify, formulate and analyze complex problems using first principles.	40.609
	PO2	A research oriented learning to develop analytical problem-solving approaches.	40.548
	PO3	Understand the basic concepts, fundamental principles and the scientific Theories.	40.397
	PO4	Acquire skills in handling scientific instruments, planning and performing in laboratory experiments	40.39
	PO5	Think creatively in explaining solutions to the problems	40.435

Outcome Attainments 2019-20
Department: BIOCHEMISTRY

Programme: B.Sc

Programme Code: BScBBM 07/ BScBMBt06I SEMESTER

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

PO ID	PO	%Attainment
PO1	Identify the taxonomic position of plants using principles and methods of nomenclature and classification in Botany	67
PO2	Understand the impact of the plant diversity in societal and environmental context	73
PO3	Demonstrate the knowledge of, and need for sustainable development	89
PO4	Use interdisciplinary approaches with quantitative skills to work on biological problems	89
PO5	Demonstrate the ability to justify and explain their thinking and/or approach	67
PO6	Develop state-of-the-art laboratory and professional communication skills	67
PO7	Apply the scientific method to design, execute, and analyze an experiment	78
PO8	Explain scientific procedures and their experimental observations	67

II SEMESTER

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

PO ID	PO	%Attainment
PO1	Identify the taxonomic position of plants using principles and methods of nomenclature and classification in Botany	73
PO2	Understand the impact of the plant diversity in societal and environmental context	75
PO3	Demonstrate the knowledge of, and need for sustainable development	89
PO4	Use interdisciplinary approaches with quantitative skills to work on biological problems	89
PO5	Demonstrate the ability to justify and explain their thinking and/or approach	67
PO6	Develop state-of-the-art laboratory and professional communication skills	67
PO7	Apply the scientific method to design, execute, and analyze an experiment	83
PO8	Explain scientific procedures and their experimental observations	67

III SEMESTER

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

PO ID	PO	%Attainment
PO1	Identify the taxonomic position of plants using principles and methods of nomenclature and classification in Botany	67
PO2	Understand the impact of the plant diversity in societal and environmental context	67
PO3	Demonstrate the knowledge of, and need for sustainable development	78
PO4	Use interdisciplinary approaches with quantitative skills to work on biological problems	78
PO5	Demonstrate the ability to justify and explain their thinking and/or approach	34
PO6	Develop state-of-the-art laboratory and professional communication skills	67
PO7	Apply the scientific method to design, execute, and analyze an experiment	67
PO8	Explain scientific procedures and their experimental observations	75

IV SEMESTER

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

PO ID	PO	%Attainment
PO1	Identify the taxonomic position of plants using principles and methods of nomenclature and classification in Botany	67
PO2	Understand the impact of the plant diversity in societal and environmental context	83
PO3	Demonstrate the knowledge of, and need for sustainable development	83
PO4	Use interdisciplinary approaches with quantitative skills to work on biological problems	83
PO5	Demonstrate the ability to justify and explain their thinking and/or approach	67
PO6	Develop state-of-the-art laboratory and professional communication skills	67
PO7	Apply the scientific method to design, execute, and analyze an experiment	78
PO8	Explain scientific procedures and their experimental observations	67

V SEMESTER

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

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

V SEMESTER

Course title	CO ID	CO	%Attainment
Tools and Techniques in biochemistry	CO1	Learn the detail of chromatography	100
	CO2	Understand the electrophoresis	100
	CO3	Specify the detail of centrifugation	100
	CO4	Learn the detail of spectroscopy	100

PO ID	PO	%Attainment
PO1	Identify the taxonomic position of plants using principles and methods of nomenclature and classification in Botany	62
PO2	Understand the impact of the plant diversity in societal and environmental context	59
PO3	Demonstrate the knowledge of, and need for sustainable development	67
PO4	Use interdisciplinary approaches with quantitative skills to work on biological problems	34
PO5	Demonstrate the ability to justify and explain their thinking and/or approach	53
PO6	Develop state-of-the-art laboratory and professional communication skills	50
PO7	Apply the scientific method to design, execute, and analyze an experiment	55
PO8	Explain scientific procedures and their experimental observations	45

VI SEMESTER

Course title	CO ID	CO	%Attainment
Plant biochemistry	CO1	Learn the detail of Nitrogen Metabolism	100
	CO2	Specify the characteristics of membranes	100
	CO3	Specify the detail of secondary metabolites	100
	CO4	Understand the Concepts Of photosynthesis	100

PO ID	PO	%Attainment
PO1	Identify the taxonomic position of plants using principles and methods of nomenclature and classification in Botany	67
PO2	Understand the impact of the plant diversity in societal and environmental context	67
PO3	Demonstrate the knowledge of, and need for sustainable development	100
PO4	Use interdisciplinary approaches with quantitative skills to work on biological problems	83
PO5	Demonstrate the ability to justify and explain their thinking and/or approach	83
PO6	Develop state-of-the-art laboratory and professional communication skills	

PO7	Apply the scientific method to design, execute, and analyze an experiment	83
PO8	Explain scientific procedures and their experimental observations	

1. Direct Assessment:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
Fundamentals Of Chemistry And Molecules Of Life	66.66667	73.33333	88.88889	88.88889	66.66667	66.66667	77.77778	66.66667
PHYSIOLOGY	73.33333	75	88.88889	88.88889	66.66667	66.66667	83.33333	66.66667
Enzymology and Bioenergetics	66.66667	66.66667	77.77778	77.77778	33.33333	66.66667	66.66667	75
Metabolism	66.66667	83.33333	83.33333	83.33333	66.66667	66.66667	77.77778	66.66667
Nutritional Biochemistry		55.55556	66.66667		33.33333	50		50
Tools and techniques of Biochemistry		55.55556	66.66667	33.33333	50	50	50	44.44444
Plant Biochemistry	66.66667	66.66667	100	83.33333	83.33333		83.33333	
AVERAGE	68	68.01587	81.74603	75.92593	57.14286	61.11111	73.14815	61.57408
Av*0.8	54.4	54.4127	65.39683	60.74074	45.71429	48.88889	58.51852	49.25926

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
Fundamentals Of Chemistry And Molecules Of Life						
PHYSIOLOGY						
Enzymology and Bioenergetics						
Metabolism						
Nutritional Biochemistry	66.66667	50				50

Tools and techniques of Biochemistry	66.66667	44.44444	33.33333	33.33333	55.555 56	
Plant Biochemistry	88.88889	66.66667	66.66667	66.66667	100	
AVERAGE	74.07408	53.7037	50	50	77.777	50

					78	
Av*0.8	59.25926	42.96296	40	40	62.222 22	40

2. Indirect Assessment

Response by	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
Students	70	70	100	66.66	33.33	100	66.66	100
Teachers	100	66.66	33.33	66.66	33.33	100	100	66.66
Average	85	68.33	66.665	66.66	33.33	100	83.33	83.33
Av*0.2	17	13.666	13.333	13.332	6.666	20	16.666	16.666

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

% Attainment

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
Overall PO/PSO attainment = Attainment (Direct)+Attainment (Indirect)	71.4	68.0787	78.72983	74.07274	52.38029	68.88889	75.18452	65.92526

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO1	PSO2
Overall PO/PSO attainment = Attainment (Direct)+Attainment (Indirect)	75.92526	62.96296	56.666	53.332	82.22222	60	75.92526	62.96296

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

Department: PG Commerce
Programme Name: M.Com
Session/Year: 2019-20

Programme Code: 1001

PSO Attainment

Sl.No	PSO ID	PSO Statement	PSO Attainment	% Attainment
1	PSO1	Inculcate the knowledge of business and the techniques of managing the Business with special focus on Accounting, finance, and financial services	2.54	84.66
2	PSO2	Identify knowledge based accounting principles and the latest application oriented corporate accounting methods.	2.43	81.00
3	PSO3	Develop decision making skill through costing methods and practical application of management accounting principles.	2.28	76.00
4	PSO4	Enhance taxation skills through a thorough understanding of tax laws	2.49	83.00

PO Attainment

SLN o	PO ID	PO Statement	PO Attainment	% Attainmen t
1	PO1	Understand role of accounting and finance in the present business scenario.	2.56	85.33
2	PO2	Identify the latest trends in banking and finance	2.65	88.33
3	PO3	Use wide varieties of tools and techniques to meet the emerging opportunities and challenges	2.8	93.33
4	PO4	Become an entrepreneur based on the knowledge gained.	2.78	92.66
5	PO5	Strengthen the knowledge base to take up CA/ICWA/ICS and other competitive examination	2.60	86.66
6	PO6	Acquire the ability to engage in independent & lifelong learning in the broader context of social and technical changes.	2.54	84.66
7	PO7	Accept the challenges of business world	2.43	81.00
8	PO8	Enhance logical thinking and decision making ability	2.54	84.66

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

Semester: I

Sl.No	Course title	Course Code	CO No./Id	CO Statement	CO Attainment	% Attainment
1	Accounting Theory	MCA010	MCA010.1	Acquaint a set of logical principles for evaluation and development of sound accounting practices.	3	100
			MCA010.2	knowledge on conceptual framework of accounting theory	3	100
			MCA010.3	Critical thinking skills to analyse and interpret accounting transactions.	3	100
			MCA010.4	Understand the recognition, measurement and disclosure principles of elements of financial statements.	3	100
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.	Learn the steps in implementation of marketing	3	100

		0	2	strategies.		
			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
		0	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
		0	MCA220.2	Analyze the various methods of theoretical probability distribution	3	100
			MCA220.3	Application of different tools in taking business decisions	3	100
			MCA220.4	Learn the advanced application oriented tests – F Distribution and Anova	3	100

Semester: II

Sl.No	Course title	Course Code	CO No./Id	CO Statement	CO Attainment	% Attainment
1	Organizational Behavior	MCB030	MCB030.1	Understand individual behavior in the organization	2.8	93.33
			MCB030.2	Acquire the knowledge about foundation of individual behavior	2.8	93.33
			MCB030.3	Learn and apply skills in motivation	2.8	93.33
			MCB030.4	Evaluate individual behavior in group and resolve the conflicts	2.8	93.33
2	Entrepreneurial Development	MCB050	MCB050.1	Analyze the foundations and different dimensions of Entrepreneurial Development	2.6	86.66
			MCB050.2	Acquaint the skills of an young entrepreneurs	2.6	86.66
			MCB050.3	Analyze the techniques of project planning, implementation and execution.	2.6	86.66
			MCB050.4	Identify the institutional support to entrepreneurs.	2.6	86.66
3	Capital Market Instruments	MCB010	MCB010.1	Understand the role of capital markets	3	100
			MCB010.2	Critically evaluate the various capital market instruments like Stock, bonds etc	3	100
			MCB010.3	Identify the dynamics of global capital markets	3	100
			MCB010.4	Understand the concept and use of Derivatives in risk management.	3	100
4	Human Resource Management	MCB240	MCB240.1	Knowledge about human resources, their significance and management in organizations	2.6	86.66
			MCB240.2	Analyze human resource planning	2.6	86.66
			MCB240.	Learn the steps in HRD	2.6	86.66

			3			
			MCB240. 4	Understand reward system and appraisal of individual	2.6	86.66
5	Management of financial services	MCB250	MCB250. 1	To understand and appreciate the role of financial services industry	2.8	93.33
			MCB250. 2	To grasp the trends in financial services industry particularly the impact of globalization of Financial Services	2.8	93.33
			MCB250. 3	To gain an insight into the future of Financial Services industry	2.8	93.33
			MCB250. 4	Verify the global developments in technology.	2.8	93.33

Semester: III and IV

Sl. No	Course title	Course Code	CO No./Id	CO Statement	CO Attainment	% Attainment
1	International Business	MCC010	MCC010.1	Understand the scope of international business along with drivers of globalization	2.6	86.66
			MCC010.2	Analyze different aspects of International Business environment and the issues associated with them.	2.6	86.66
			MCC010.3	Identify policy and practice skills related to international business	2.6	86.66
			MCC010.4	Identify the various modes of entry in international business.	2.6	86.66
2	Business Research Methods	MCC030	MCC030.1	Evaluate various research decisions	2.8	93.33
			MCC030.2	Learn the methods of data collection	2.8	93.33
			MCC030.3	Analysis and interpretation of data	2.8	93.33
			MCC030.4	Equip the skills of report writing	2.8	93.33
3	Security Analysis And Portfolio Management	MCC040	MCC040.1	Knowledge about practical aspects of investment analysis	2.8	93.33
			MCC040.2	Understand the functions of SEBI	2.8	93.33
			MCC040.3	Analyze the various investment alternatives	2.8	93.33
			MCC050.4	Learn the skills to construct investment portfolio	2.8	93.33
4	Indirect Tax Law and Practice	MCC230	MCC230.1	Understand the significance and contribution of indirect taxes (GST) in the Indian and global economy.	2.6	86.66
			MCC230.2	Comprehend the principles of taxation and incidence process of indirect taxes in market orientated economy.	2.6	86.66
			MCC230.3	Understand the implications of indirect taxes on the taxable capacity of consumers, dealers and society at large.	2.6	86.66
			MCC230.4	Become tax consultants for tax planning, tax management, payment of tax and filling of tax returns	2.6	86.66
5	Cost Accounting for Decision Making	MCC250	MCC250.1	Understand the basic concept of marginal costing.	2.2	73.33
			MCC250.2	Analyze and apply of profitability and cost concept.	2.2	73.33
			MCC250.3	Evaluate the managerial decisions-make or buy decisions.	2.2	73.33
			MCC250.4	Examine the cost accounting techniques.	2.2	73.33

Sl.No	Course title	Course Code	CO No./Id	CO Statement
1	International Accounting	MCD010	MCD010.1	Understand international accounting issues related to global financial reporting.
			MCD010.2	Examine, analyze and assess theoretical and practical aspects of accounting harmonization.
			MCD010.3	Identify major diversities and challenges of financial reporting in the global arena and IFRS.
			MCD010.4	Learn the techniques of international financial statement analysis
2	Current Trends In Business And Commerce	MCD020	MCD020.1	Understand changing business and financial environment
			MCD020.2	Equip the skills required for competitive examinations and JRF, NET and SLET
			MCD020.3	Develop analyzing and decision making skills on current topics of business

			MCD020.4	Identify the reforms in areas of banking, insurance, capital markets and taxation.
3	Innovations In Accounting	MCD210	MCD210.1	To make students familiar with various innovations taking place in accounting
			MCD210.2	To learn valuation of human resource
			MCD210.3	To learn valuing the brand
			MCD210.4	To understand the concepts of Responsibility accounting
4	Corporate Tax Law And Planning	MCD230	MCD230.1	Understand the incidence of tax on residential status of the companies
			MCD230.2	Understand the different types of companies under corporate income tax act.
			MCD230.3	Know the different sources of income for corporate assesses.
			MCD230.4	Become a manger of a company/tax consultant and reduce the tax burden and maximize the company's wealth
5	Cost Management	MCD250	MCD250.1	Understand the scope and need for cost control and management.
			MCD250.2	Familiarize with the basic cost control and management tools.,
			MCD250.3	Know the manufacturing industries cost system and analysis through the statistical tool.
			MCD250.4	Understand the importance of operation research in cost control and management

ssJSS College of Arts Commerce and Science
 Autonomous under University of Mysore
 Reaccredited by NAAC with 'A' Grade and CGPA 3.21
PG Department of Zoology
Overall CO, PO and PSO Attainment 2019-20
CO ATTAINMENT

Semester: I					
Course title	Course Code	CO No./Id	CO Statement	CO Attainment	% Attainment
Biosystematics and Non Chordata	ZOA050	ZOA050.1	Understand the classification of major and minor invertebrate phyla	2.1	70
		ZOA050.2	Give some examples and basic characteristics of each phylum	1.7	57
		ZOA050.3	Understand the evolutionary pathway and its significance	2.2	73
		ZOA050.4	Adaptive characters of animals coming under different invertebrate phyla	2	67
Biological Chemistry	ZOA060	ZOA060.1	Identify the five classes of polymeric biomolecules and their monomeric building blocks.	1.6	53
		ZOA060.2	Explain the specificity of enzymes (biochemical catalysts), and the chemistry involved in enzyme action.	1.9	63
		ZOA060.3	Understand types, Structure, biochemical properties, and functions of vitamins.	2.2	73
		ZOA060.4	Explain how the metabolism of organic compounds leads ultimately to the generation of large quantities of ATP.	2.4	80

Cytogenetics	ZOA070	ZOA070.1	Describe the fundamental molecular principles of genetics	1.7	57
		ZOA070.2	Understand the structure and function of DNA & RNA	2.2	73
		ZOA070.3	Understand about the transmission, distribution, arrangement, and alteration of genetic information and how it functions and is maintained in populations	1.6	53
		ZOA070.4	Describe the basics of genetic mapping	2.1	70
		ZOA070.5	Explain basic structure of animal cell and its organelles	2.1	70
		ZOA070.6	Describe the functions and organization of cell organelles	2.2	73
Tools and Techniques in Biology	ZOA220	ZOA220.1	Describe the methodology involved in biotechniques.	2.2	73
		ZOA220.2	Describe the applications of bioinstruments	1.8	60
		ZOA220.3	Demonstrate knowledge and practical skills of using instruments in biology and medical field.	1.6	53
		ZOA220.4	Perform techniques involved in molecular biology and diagnosis of diseases	1.7	57
		ZOA220.5	Update current knowledge regarding biomedical engineering involving new methods and the instrumentation.	1.5	50
Histology and Histopathology	ZOA230	ZOA230.1	Understand the applications of dyes and its classification.	1.9	63
		ZOA230.2	Know the functional morphology of various mammalian organs.	1.8	60
		ZOA230.3	Imbibe the knowledge on histochemical techniques.	1.6	53
		ZOA230.4	Describe the etiology and pathology of liver cirrhosis and atherosclerosis.	1.8	60
		ZOA230.5	Explain histopathology of breast and prostate tumours.	2.1	70

Semester: II					
Course title	Course Code	CO No./Id	CO Statement	CO Attainment	% Attainment
Chordata	ZOB050	ZOB050.1	Understand the classification of chordates	1.7	57
		ZOB050.2	Give some examples and basic characteristics of protochordates	2	67
		ZOB050.3	Give some examples and basic characteristics of vertebrates	2	67
		ZOB050.4	Understand the evolutionary pathway and its significance	1.9	63
		ZOB050.5	Analyze adaptive characters of animals coming under different vertebrate classes	2	67
Animal Physiology	ZOB060	ZOB060.1	Understand the mechanism of transport of molecules, stepwise release of energy, aerobic and anaerobic respiration	1.9	63
		ZOB060.2	Describe the physiology of digestive and respiratory system of human beings.	1.7	57
		ZOB060.3	Understand the blood composition, types, groups and circulatory system.	1.6	53
		ZOB060.4	Describe the physiology of excretory system and nervous system of human beings.	2.1	70
		ZOB060.5	Know the physiology of sense organs, muscles, and reproductive system.	2.6	87
Entomology	ZOB070	ZOB070.1	Understand insects encountered in agricultural fields.	1.9	63
		ZOB070.2	Envisage an insight on economically important pests of various foods, fiber and household	2.5	83
		ZOB070.3	Understand various insect pest management methods and its significance	2.2	73
		ZOB070.4	Learn to apply various agricultural equipment and understand the effect of chemicals and its dosages in agricultural pest management	2.5	83

		ZOB070.5	Learn to apply the pest control methods wisely to minimise ecological backlash	2.9	97
		ZOB070.6	Discuss the evolutionary significance of insect plant interaction and insect animal interaction.	2.2	73
Developmental Biology	ZOB220	ZOB220.1	Understand the molecular concepts of developmental biology during fertilization	2	67
		ZOB220.2	Know about Noble prize concepts during frog development viz., Nucleocytoplasmic interactions	1.7	57
		ZOB220.3	Explain on axis development in drosophila	2	67
		ZOB220.4	Describe endocrine and molecular control in metamorphosis of insects and amphibians	2	67
		ZOB220.5	Explain the various stages of chick embryonic development	2	67
Immunology	ZOB230	ZOB230.1	Outline the key components of the innate and adaptive immune responses.	2.7	90
		ZOB230.2	Describe about cell types and organs which are involved in an immune response	1.7	57
		ZOB230.3	Describe the Infectious diseases, hypersensitivity, autoimmune disorders, immunodeficiency diseases		53
				1.6	

Semester: III					
Course title	Course Code	CO No./Id	CO Statement	CO Attainment	% Attainment
Molecular Biology and Biotechnology	ZOC040	ZOC040.1	Know nucleic acids, DNA replication and its mechanism.	1.8	60
		ZOC040.2	Understand transcription and its modifications.	2.24	75
		ZOC040.3	Explain genetic code, enzymes, factor and the process of translation.	2.15	72
		ZOC040.4	Analyse gene regulation, lytic and lysogenic cycles in prokaryotes.	2.1	70
		ZOC040.5	Understand gene regulation in eukaryotes.	1.9	63
		ZOC040.6	Explain molecular mechanism of DNA damage repair.	2.1	70
Reproductive Biology	ZOC050	ZOC050.1	Understand structure and function of reproductive organs	1.7	57
		ZOC050.2	Explain the structure of reproductive cells	2.1	70
		ZOC050.3	Describe the role of internal cues in reproduction	2.11	70
		ZOC050.4	Describe the role of external factors in reproduction	2.14	71
		ZOC050.5	Analyse the role of endocrine glands and their secretions in reproduction	2.14	71
		ZOC050.6	Identify the factors affecting fertility	2.13	71
		ZOC050.7	Know different types of assisted reproductive technologies.	2.15	72
Ecology and Wildlife	ZOC060	ZOC060.1	Demonstrate and Understand ecological relationships between organisms and their environment.	1.94	65
		ZOC060.2	Present an overview of diversity of life forms in an ecosystem.	2.18	73
		ZOC060.3	Explain and identify the role of the organism in energy transfers	1.91	64

		ZOC060.4	Describe the Habitat ecology and Resource ecology	2.18	73
		ZOC060.5	Understand the types of environmental Pollution and their management	2.15	72
		ZOC060.6	Scope, Values and Conservation strategies of wildlife.	2.18	73
Ethology	ZOC230	ZOC230.1	Evaluate the learning and instinct behavior.	2.21	74
		ZOC230.2	Explain the mechanisms in instinct and behaviour	2.15	72
		ZOC230.3	Explain how animals learn	2.36	79
		ZOC230.4	Compare learning and instinct behaviour.	2.32	77
		ZOC230.5	Analyse any problem about animal behaviour	2.1	70
		ZOC230.6	Explain the importance of evolution for animal behaviour.	2.2	73
		ZOC230.7	Explain evolution and behaviour.	2.1	70
		ZOC230.8	Explain natural selection and behaviour.	2.5	83
		ZOC230.9	Explain the relationship between predators and prey	2.6	87
		ZOC230.10	Explain social behaviour.	2.4	80
Semester: IV					
Course title	Course Code	CO No./Id	CO Statement	CO Attainment	% Attainment
Advanced Genetics and Computational Biology	ZOD030	ZOD030.1	Understand the genomic organization of prokaryotes and eukaryotes.	1.95	65
		ZOD030.2	Know the applications of various model organisms in genomic research.	1.99	66
		ZOD030.3	Able to analyze the pedigree, psychosomatic disorders, prenatal diagnosis and genetic counselling.	1.75	58
		ZOD030.4	Recognize few heritable diseases in man.	2.6	87
		ZOD030.5	Understand the basic concepts of genomics	2.25	75

		ZOD030.6	Understand the basic concepts of proteomics	2.1	70
		ZOD030.7	Understand the nucleic acid and protein databases and tools.	2.1	70
Applied Zoology	ZOD040	ZOD040.1	Explain plant insect interaction, origin of pest and its control.	2.3	77
		ZOD040.2	Understand vectors and its communicable diseases.	1.99	66
		ZOD040.3	Explain races of silkworm their disease and its control.	2.6	87
		ZOD040.4	Know about the importance of insects in forensic science and medicine.	2.57	86
		ZOD040.5	Know about aquaculture and its practices in India.	2.23	74
Major Project	ZOD020	ZOD020.1	Understand the concepts of Project Management for planning to execution of projects	1.99	66
		ZOD020.2	Find importance of reference work Using tools of information such as periodical ,journals, online resources	2.27	76
		ZOD020.3	Break work down the tasks of project and determine handover procedures	1.95	65
		ZOD020.4	Interpret, analyze and presentation of the results obtained and compare with similar works and draw conclusion.		66
				1.98	

PO ATTAINMENT

PO ID	PO Statement	PO Attainment	% Attainment
ZOO17.PO1	Imbibe the knowledge with facts and figures related Zoology.	2.22	74
ZOO17.PO2	Understand the basic concepts, fundamental principles, and the scientific theories related to various scientific phenomena and their relevancies in the day-to-day life.	2.12	71
ZOO17.PO3	Identify, formulate, research literature, and analyze complex problems reaching substantiated conclusions using first principles of mathematical, biological, physical and chemical sciences.	2.17	72
ZOO17.PO4	Will be able to think creatively to propose novel ideas in explaining facts and figures or providing new solution to the problems.	1.49	50
ZOO17.PO5	Develop scientific outlook not only with respect to Zoology but also in all aspects related to life.	1.99	66
ZOO17.PO6	Realize that interdisciplinary knowledge in other faculties can have greatly and effectively influence which inspires in evolving new scientific theories and inventions.	2.19	73
ZOO17.PO7	Imbibe ethical, moral and social values in personal and social life leading to highly cultured and civilized personality.	2.07	69
ZOO17.PO8	Develop various communication skills such as reading, listening, speaking, etc.	2.05	68
ZOO17.PO9	Realize that acquiring knowledge is a continuous process and in combination with untiring efforts and positive attitude and other necessary qualities leads towards a successful life.	2.06	69

PSO ATTAINMENT

PSO ID	PSO Statement	PSO Attainment	% Attainment
ZOO17.PSO1	Understand the classification and taxonomic aspects of the animal world (chordates and non-chordates). The students will be able to identify the taxonomic group of a given animal based on the external characteristics.	2.28	76
ZOO17.PSO2	Understand the basic concepts of Animal physiology. The students will be able to identify and understand the important life processes which are essential for continuation of life on earth.	1.95	65
ZOO17.PSO3	Understand the nature and structure of biomolecules and basic concepts of Biological chemistry.	2.12	71
ZOO17.PSO4	Understand the concepts of Genetics, Cell Biology and Molecular Biology.	2.04	68
ZOO17.PSO5	Understand the basic principles and concepts of environmental science, ecology and nature conservation.	2.34	78
ZOO17.PSO6	Understand the importance of knowledge of wildlife and animal behaviour for conservation and balancing the nature.	2.20	73
ZOO17.PSO7	Understand the tools and techniques employed in Biological research and experiments.	2.00	67
ZOO17.PSO8	Understand the process of evolution.	2.20	73
ZOO17.PSO9	Understand the concept and applications of sericulture, apiculture, animal husbandry, Lac culture etc.	2.39	80

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

2019-20

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

Course outcomes (%Attainments)

COURSE	COURSE CODE	COID	CO'S	ATTAINMENT (%)
BIOMOLECULES AND BIOENERGETICS	BTA040	CO1	Study of different biomolecules	78.22
		CO2	Metabolism and their regulation	64.84
		CO3	Enzymes and their role in metabolism	75.34
		CO4	Application of thermodynamics to understand the basic concepts of life.	82.43
		CO5	To study the integrated metabolism of all the biomolecules.	85.05
BIOANALYTICAL TECHNIQUES	BTA050	CO1	To understand the separation of molecules by different chromatography, centrifugation and electrophoretic techniques	80.24
		CO2	Analysis and characterization of molecules by spectroscopy techniques	78.8
		CO3	Use of radioactive materials in understanding metabolic pathways	79.35

		CO4	To study the imaging techniques to explore the basics of cell	78.50
LAB – I	BTA060	CO1	Course objective is to introduce the students to the fundamental experiments in the field of Biochemistry, Microbiology and Genetics.	75.80
		CO2	Students get the insight to operate simple equipments like colorimeter and spectrophotometer	86.68
		CO3	Identification of microorganisms by morphology and staining techniques and study of growth kinetics.	80.4
		CO4	In genetics students are exposed to know about culture and maintenance of <i>Drosophila melanogaster</i> (model organism), Study of mutants, salivary gland chromosome and karyotyping techniques.	76.68
		CO5	To understand the different enzyme kinetics.	89.49
MOLECULAR GENETICS	BTA230	CO1	To understand the molecular mechanism of inheritance	87.24
		CO2	Mutation and DNA repair mechanism	85.31
		CO3	Gene mapping and study of chromosomal abnormalities	85.22
		CO4	Phylogenetics and micro-evolution	79.61

		CO5	Development of an organism	80.24
MICROBIOLOGY	BTA240	CO1	To understand the microbial taxonomy	83.56
		CO2	Handling, preservation and sterilization of microbes	79.05
		CO3	Microbial interactions with different hosts	83.93
		CO4	-Application of microorganisms in the field of agriculture, environment and health sciences	80.34
MOLECULAR BIOLOGY	BTB020	CO1	The student will get an idea about the genomic organization of prokaryotes and eukaryotes.	82.93
		CO2	To obtain in depth knowledge of genetic code, DNA replication and transcription.	80.98
		CO3	Understand principles, concepts of translation, post translation mechanism	82.93
		CO4	Regulation of gene expression in prokaryotes and eukaryotes	53.41
		CO5	Gain the insight into molecular mechanism of antisense molecules, inhibition of splicing and application of antisense and ribozyme technologies	68.05
IMMUNOLOGY AND IMMUNOTECHNOLOGY	BTB050	CO1	Study basic concepts of immunology	86.98
		CO2	MHC and their role in transplantation	77.37
		CO3	Cytokines and their role in immune system, Tumor Immunology	92.68
		CO4	Autoimmune diseases , causes and treatment	80.49

		CO5	Hypersensitivity, Vaccine production	67.80
LAB – II	BTB060	CO1	Students are trained to get the skills in the field of Molecular biology and Genetic engineering	53.66
		CO2	Isolation and purification of nucleic acids and their quantification	98.68
		CO3	Study of antigen and antibody interactions	90.24
		CO4	Preparation of wine and analysis of food samples	86.54
		CO5	Visit to Bio-tech Industries	82.73
CELL SIGNALLING AND COMMUNICA TION	BTB220	CO1	Understanding the multi-cellularity of organisms	81.38
		CO2	role of extracellular matrix in signalling	62.31
		CO3	various signalling pathways from the cell surface to the nucleus	83.85
		CO4	cell signalling in plants	84.15
		CO5	microbe-plant and insect-plant interaction.	74.42
FOOD AND ENVIRONME NTAL BIOTECHNOL OGY	BTB210	CO1	Comprehensive insight into the fermented foods and enzymes in food industry	91.46
		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.	85.29
		CO5	waste management.	90.66

BIOPROCESS ENGINEERING AND TECHNOLOG Y	BTC040	CO1	understand the different metabolic pathways of microorganisms	86.92
		CO2	To have the comprehensive insight into the different type of fermenter	78.36
		CO3	To obtain knowledge of media design and industrial culture	76.92
		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.	91.20
GENETIC ENGINEERING	BTC050	CO1	To have the comprehensive insight into the different enzymes used in Geneticengineeringlab	80.53
		CO2	To obtain knowledge of construction of vectors	63.75
		CO3	Students will be able to understand different type of cloning methods.	84.63
		CO4	UnderstandtheprinciplesofPCR&types	59.25
		CO5	To know the different sequence methods	63.38
LAB- III	BTC060	CO1	To have the comprehensive insight into the different enzymes kinetics	86.21
		CO2	Production of different compounds by fermentation	64.98
		CO3	to study the plant tissue culture methods	89.76

		CO4	Estimation of different bio active compounds	97.97
		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	65.31
		CO2	Retrieval of biological data	59.14
		CO3	phylogenetic analysis	71.22
		CO4	Primer designing, Insight into start-up companies.	54.49
		CO5	drug discovery and molecular docking	66.94
APPLIED BIOTECHNOLOGY		CO1	Scope of Biotechnology in India	86.0
		CO2	Use of plant tissue culture to society	71.30
		CO3	Applications of animal cell culture in medical field	78.24
		CO4	Applications of Bio-technology in solving agricultural problems	88.98
		CO5	Production of bio-pesticides and bio-fertilizers.	78.43
PLANT BIOTECHNOLOGY	BTD010	CO1	General Introduction to tissue culture	87.97
		CO2	Use of plant tissue culture to society	73.97

		CO3	Haploid technology to produce seedless crops	66.97
		CO4	Applications of Bio-technology in solving agricultural problems	79.91
		CO5	Applications of recombinant technology to produce disease free crops	88.94
ANIMAL BIOTECHNOLOGY	BTD020	CO1	General Introduction to Animal cell culture	64.97
		CO2	Use of different media to culture animal cells	78.97
		CO3	Different methods of cell separation	85.88
		CO4	Tissue Engineering using different matrices	63.91
		CO5	Cloning of animals	63.80
Project work	BTD030	CO1	Making the students to think about current scientific problems	95.15
		CO2	Designing the objectives and writing the synopsis	97.00
		CO3	Understanding the research articles	82.62
		CO4	Designing the experiments	89.54
		CO5	Analysing the data, interpretation of results and writing research papers	85.23

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

PO-ATTAINMENT(Direct)

SUBJECT	COID	PO'S	ATTAINMENT (%)
MSc Biotechnology	PO1	quire 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	83.34
	PO2	Tomakethestudentsdevelopinterpersonalskills,writtenandoralcommunicationandalso to improve their body language and eye contact duringpresentations.	78.10
	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.	68.49
	PO4	To teach the students not to demoralize the others ideas and not to differentiate the intelligent and the ignorant, poor and the rich and to uphold the moral values in the society	76.61
	PO5	Uponcompletionofcoursestudentswillhavetheabilitytodesigntheexperimentstosolve	78.60

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

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

SUBJECT	COID	PO'S	ATTAINMENT (%)
MSc Biotechnology	PO1	quire knowledge on the fundamentals of biotechnology for sound and solid base which enables them to understand the emerging and advanced engineering concepts in life sciences	74.2
	PO2	To makethestudentsdevelopinterpersonalskills,writtenandoralcommunicationandalso to improve their body language and eye contact duringpresentations.	83.6
	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.	79.91
	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	72.7
	PO5	Uponcompletionofcoursestudentswillhavetheabilitytodesigntheexperimentstosolve thecurrentproblemsinthesocietyrelatedtohealth,environmentandindustries,	71
	PO6	Uponcompletionofcoursestudentswillhavetheabilitytodesigntheexperimentstosolve thecurrentproblemsinthesocietyrelatedtohealth,environmentandindustries	82.97

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

Department: PG Department of Social Work

Programme Name: MSW

Programme Code: MSW 13

Session/Year: 2019-20

List of POs & PSOs

POID	PO Statement	% Attainment (Overall)*
PO1	Develop the capacity to undertake Research	71.0
PO2	Develop the skills and capacities to work in a multidisciplinary team	68.2
PO3	Develop the capacity to project self as a professional	66.8
PO4	Equipped with the knowledge of Social dynamism	64.7
PO5	Equipped to work in various fields of Social Work	59.3
PO6	Imbued with the core values and principles of Social Work	61.4
PSO1	Equip to work in the Community Development Programmes	59.6
PSO2	Develop the capacity to work in the field of Human Resource as Labour Welfare Officers, HR Executives and liaison officers	66.7
PSO3	Develop the skill to work as medical and psychiatric social workers	62.3
PSO4	Equip with the skill to work in family and Child Welfare Centres	64.5
PSO5	Develop the capacity to work in correctional settings	61.4

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	68.27
CO2	Understand in depth Values and principles of Social work	58.33
CO3	Deliberate the details of Contemporary Ideologies for Social change	77.71
CO4	44731 Learn the details of Western Ideologies for Social Change and History of Social Work	68.04

Course Title: Work with Individuals and Families **Course Code:** SWA 020

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

List of COs

CO ID	CO Statement	% Attainment
CO1	Learn in details with application of social case work as method of Social Work	58.97
CO2	Learn in detail the Values and principles of Social Case work	66.04
CO3	Learn the details of theories and process of Casework	79.75
CO4	Specify in depth application of Social Case work in different settings	62.50

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	68.2
CO2	Learn the process of Group Work	67.4
CO3	Understand in depth Group dynamics and skills in group work	71.4

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	72.3
CO2	Learn in depth models and strategies of Community Organization	68.5
CO3	Understand the skills of Community organize	61.2
CO4	Understand in depth Micro and macro policies of community Organizaion	59.9

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	67.1
CO2	Understand the details of Developmental stages of Human Life span	61.4
CO3	Understand the theories of Human Development and learning	63.2
CO4	Understand the theories of Basic Human Needs, motivation, Personality	59.2

Semester: II

Course Title: Social Work Research and Statistics

Course Code: SWB 010

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

List of Cos

CO ID	CO Statement	% Attainment
CO1	Understand the meaning, objectives and scope of Social Work Research	62.2
CO2	Understand in detail the Process of Social Work Research	60.3

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	59.1
CO4	Learn in detail the concepts of Programme Development and Public Relations	66.2

Course Title: Personal and Professional Growth

Course Code: SWB 030

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

List of COs

CO ID	CO Statement	% Attainment
CO1	Understand the meaning, importance, purpose and process of communication	63.11
CO2	Learn the use of Visual aids in communication	65.00
CO3	Understand the counselling situations and approaches	66.00
CO4	Understand self and developing self awareness	61.1
CO5	Understand the details of emotions and emotional expressions	66.2
CO6	Understand in depth life skills	67.7
CO7	Identify in depth Values, attitudes and professional ethics	71.0

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	68.9
CO2	Learn the process of Group Work	67.3
CO3	Understand in depth Group dynamics and skills in group work	71.2

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	61.2
CO2	Specify the characteristics of social movements in India	64.4

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	69.1
CO2	Understand the policies, sources and methods of talent acquisition	69.7
CO3	Deliberate in details with examples Compensation Management	61.1
CO4	Deliberate the changing scenario of strategic Human Resource Management 70	60.8

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	62.4
CO2	Understand group dynamics and organization development	60.7
CO3	Deliberate in depth on organizational change, stress and burnout	62.5

Course Title: Preventive and Social Medicine and Medical Social Work **Course Code: SWC 030**

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

List of COs

CO ID	CO Statement	% Attainment
CO1	Learn in depth concept of health and health care	68.2
CO2	Learn in details with application Medical Social Work and Rehabilitation of Patients	60.7

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	61.2
CO2	Learn in detail Sectoral policies in India	59.4
CO3	Learn the social planning process	60.9
CO4	Learn in detail the concept of social development and Indicators of development	62.4

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	61.1
CO2	Understand the divisions of law and chapters under IPC and CRPC	59.9
CO3	Understand the details of structure and functions of District Court, High Court and Supreme Court	60.7

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	60.5
CO2	Deliberate on functioning of trade unions in India	63.1
CO3	Learn the employee legislations	66.7
	Understand in depth process of collective bargaining	61.4

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	60.1
CO2	Understand the concept of psychiatric Social Work and Multidisciplinary approach and team work	64.8
CO3	Learn about the institutional care of mentally ill and role of social workers	59.7
CO4	Understand the psycho social rehabilitation and legislations related to mental Health	58.3

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	61.7
CO2	Deliberate in depth on HRD Interventions	65.8
CO3	Learn in details with examples concept and importance of talent development	66.7

CO4	Deliberate on employee wellness and standardization of systems	59.3
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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	58.3
CO2	Understand in details on the different concepts of psychology	57.2
CO3	Specify the characteristics of mental health and mental disorders	56.9

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	63.1
CO2	Specify the characteristics of social movements in India	61.2

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

Department: PG Kannada

Programme Name: MA Kannada

Programme Code: MKAN01

Session/Year: 2019-20

List of POs & PSOs

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

*Average from all the courses.

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

Send the sample filled in survey forms for indirect assessment.

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

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

List of COs

CO ID	CO Statement	%Attainment
CO1	Recognize and understand figurative language, such as allegory and metaphor, and literary techniques, like irony, rhyme, and allusion.	83.85
CO2	Identify the unique qualities of the authors studied, and compare and contrast them	97.69
CO3	Analyze literary works for their structure and meaning	85.38
CO4	Able to effectively communicate ideas related to the literary work	86.15

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

Course Code: KNA020

List of COs

CO ID	CO Statement	%Attainment
CO1	To enable them to have a historical perspective of the development over the centuries. CO2: Identify the unique qualities of the authors studied, and compare and contrast them	95.15
CO2	Identify the unique qualities of the authors studied, and compare and contrast them	87.69
CO3	Demonstrate knowledge of the style, structure, and content of the assigned literary texts.	94.38
CO4	Develop a well-written argument about one or more literary texts or authors, and accurately cite literary and other sources	86.15

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

Course Code: KNA030

List of COs

CO ID	CO Statement	%Attainment
CO1	Familiar with Old Kannada Poetry	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: Vimarsheya Adhyayana
Name of Course In-charge/Coordinator: Dr. Sudeep B S

Course Code: KNA040

List of COs

CO ID	CO Statement	%Attainment
CO1	Creates opportunity to nurture their ability to produce literary texts.	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: Bashavignanada Mulatatvagalu

Course Code: KNA210

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

List of COs

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

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 Sahithya Hinnele

Course Code: KNB020

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

List of COs

CO ID	CO Statement	%Attainment
CO1	Helps to understand the historical and cultural contexts of the literature of this period to some major authors, works, and genres	96.15
CO2	Imbibe good ethics explored in the works	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: Dravida Bashavijyayana

Course Code: KNB030

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

List of COs

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

Course Title: Kannada Vimarshe : Ayda Lekhanagalu

Course Code: KNB040

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

List of COs

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

Course Title: Kannada Vyakarangala Thoulanika Samikshe

Course Code: KNB210

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

List of COs

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

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

List of COs

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

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

List of COs

CO ID	CO Statement	%Attainment
CO1	Explore the connections of literature with history, philosophy, politics, and literary theory	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 Sahithyada Hinnele **Course Code:** KNB020
Name of Course In-charge/Coordinator: Dr. Sudeep B S

List of COs

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

Course Title: Bharatiya Kavya Mimamse

Course Code: KNB030

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

List of COs

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

Course Title: Samashodana vidyana mattu Ganaka Gyana

Course Code: KNC040

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

List of COs

CO ID	CO Statement	%Attainment
CO1	Understand the Research methodology of Kannada Studies	98.21
CO2	Understand the historical background of Kannada Research	87.50
CO3	Learn to utilize the application of the computers	92.86
CO4	Learn the application of computers in Social media	89.29

Course Title: Upabasha Vijyayana

Course Code: KNC210

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

List of COs

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

Course Title: Adunika Kannada Sahithya : Patya

Course Code: KND010

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

List of COs

CO ID	CO Statement	%Attainment
CO1	Learn different phases of the growth of Kannada novels and poems.	100.00
CO2	Understand the diverse themes 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: Pacshatiya Kavya Mimamse

Course Code: KND020

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

List of COs

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

Course Title: Samuha Madyama

Course Code: KND030

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

List of COs

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

Course Title: Avadika Karya

Course Code: KND040

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

List of COs

CO ID	CO Statement	%Attainment
CO1	Understand the research methodology.	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 Basha Swaroopa : Patya

Course Code: KND210

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

List of COs

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