KALIMPONG COLLEGE

(Govt. Aided)

ACCREDITED BY NAAC WITH GRADE 'B++' (CYCLE 2)

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Course Specific Outcomes

B.B.A Honours Courses under CBCS System

Sem.	Prog. Name	Course Code	Course Name	Course Title	Course Outcome
SEMI	BBA (Hons)	BBACC I	Core Course	Principles of Management and Organizational Behaviour	Acquaint the students with the fundamentals of managing business and to understand individual and group behavior at work place so as to improve the effectiveness of an organization. The course will use and focus on Indian experiences, approaches and cases.
	BBA (Hons)	BBACC II	Core Course	Business Regulatory Framework	Students gains knowledge of the branches of law which relate to business transactions, certain corporate bodies and related matters. They also understand the applications of these laws to practical commercial situations.
	BBA (Hons)	BBAGE I	Generic Elective Course	Managerial Economics	Students learns to apply micro economic concepts and techniques in evaluating business decisions taken by firms. The emphasis is on explaining how tools of standard price theory can be employed to formulate a decision problem, evaluate alternative courses of action and finally choose among alternatives.
SEM II	BBA (Hons)	BBACC III	Core Course	Business Mathematics	The outcome of this course is it provide general knowledge of Matrices, Differential Calculus and familiarize students with the applications of mathematics and statistical techniques in business decision-making.
	BBA (Hons)	BBACC IV	Core Course	Financial Accounting for Managers	Students gets familiarize with the mechanics of preparation of financial statements, understanding corporate financial statements, their analysis and interpretation
	BBA (Hons)	BBAGE II	Generic Elective Course	Business Environment	Students gets acquaint with the contemporary issues regarding the environment of business to facilitate a better insight into that environment.

SEM III	BBA (Hons)	BBACC V	Core Course	Income Tax – Laws and Practice	Students gets knowledge and gets equip with application of principles and provisions of Income-tax Act, 1961 and the relevant Rules.
	BBA (Hons)	BBACC VI	Core Course	Cost & Management Accounting	Students get acquainted with basic concepts used in cost accounting, various methods involved in cost ascertainment and cost accounting book keeping systems.
	BBA (Hons)	BBACC VII	Core Course	Financial Management	Students get acquainted with the techniques of financial management and their applications for business decision making.
	BBA (Hons)	BBAGE III	Generic Elective Course	Quantitative Techniques	Students gets acquainted with the construction of mathematical models for managerial decision situations and to use computer software packages to obtain a solution wherever applicable. The emphasis is to make students understand the concepts, formulation and interpretation.
	BBA (Hons)	BBASEC I	Skill Enhancement Course	Entrepreneurship Development	Students gets oriented towards entrepreneurship as a career option and it enables creative thinking and behavior.
SEM IV	BBA (Hons)	BBACC VIII	Core Course	Human Resource Management	The outcome of this course is students starts to develop and understands the concept & techniques of essential functions of human resource management. The course will use and focus on Indian experiences, approaches and cases
	BBA (Hons)	BBACC IX	Core Course	Marketing Management	This course helps the learners to familiarize with the marketing functions in an organization. It equips the students with understanding of the Marketing Mix elements and sensitize them to certain emerging issues in Marketing. The course is used and focus on Indian experiences, approaches and cases.
	BBA (Hons)	BBACC X	Core Course	Production Management	This course helps students to familiarize with the production function inorganizations. It equips the students with understanding of the Production process and sensitize them to certain emerging issues in Production. The course is used and focus on Indian experiences, approaches and cases
	BBA (Hons)	BBAGE IV	Generic Elective Course	E-commerce	After the completion of course, students become familiar with the mechanism for conducting business transactions through electronic means.
	BBA	BBASEC	Skill	GST and Customs	It helps students to subsume most indirect

	(Hons)	II	Enhancement Course	Duty	taxes into a single taxation system that reduces the burden of compliance for taxpayers and eases the government's tax administration process. The main aim of this course is to make students understand and simplify the entire process of paying taxes and simplify compliance
SEM V	BBA (Hons)	BBACC XI	Core Course	Business Statistics	Students gets familiarize with various Statistical Data Analysis tools that can be used for effective decision making. Emphasis will be on the application of the concepts learnt.
	BBA (Hons)	BBACC XII	Core Course	Strategic Management	Students get familiarize with strategic management principles that can be used for effective decision making. Emphasis will be on the application of the concepts learnt.
	BBA Finance	BBADSE I	Discipline Specific Elective Course	Corporate Accounting	Students acquires the basic knowledge of the corporate accounting and to gets to learn the techniques of preparing the financial statements.
		BBADSE II	Discipline Specific Elective Course	Financial Institution and Markets	Student gets basic knowledge of financial markets and institutions and they also get familiarize with major financial services.
	BBA (Hons) Marketing	BBADSE I	Discipline Specific Elective Course	Marketing of Services	Students acquires the basic knowledge of marketing of Services and learns the techniques of such marketing.
		BBADSE II	Discipline Specific Elective Course	Consumer Behaviour	Students gains knowledge of concepts, dimensions and issues of consumer behavior and the skills of understanding and analyzing consumer behavior to develop marketing strategies.
	BBA (Hons) HRM	BBADSE I	Discipline Specific Elective Course	Human Resource Development	It helps students to explore the concepts and techniques of the essential elements of HRM and to enables the students to recognize its critical issues. The course helps to understand HRM concerns.
		BBADSE II	Discipline Specific Elective Course	Organisational Development	Students gets an overview of the need for Organizational Development and Organizational Development practices which develops and improves an organization's systems and strategies leading to an optimal HRD climate.
SEM VI	BBA (Hons)	CC XIII	Core Course	Computer Application in Business	After completion of the course, a student will have the skill of choosing right Hardware, Software and Networking for running a business.
	BBA	CC IV	Core Course	Report on Project	Students will get the general understanding

			Work	of business research and the methods of business research. They learn about how to collect, analyze, present and interpret data.
BBA (Hons) Finance	BBADSE III	Discipline Specific Elective Course	Financial Statement Analysis	Students get a conceptual framework for analysis of the financial statements of a Company.
	BBADSE IV	Discipline Specific Elective Course	Security Analysis and Portfolio Management	The course provides a conceptual framework for analysis from an investor's perspective of maximizing return on investment – a sound theoretical base with examples and references related to the Indian financial system.
BBA (Hons) Marketing	BBADSE III	Discipline Specific Elective Course	Advertising and Sales Promotion	Students gets basic knowledge of concepts, issues, tools and techniques of advertising and sales promotion.
	BBADSE IV	Discipline Specific Elective Course	Distribution and Retail Management	Students starts to develop an understanding about the role of Marketing channels, distribution and retailing. The course prepares students for positions in the retail sector or positions in the retail divisions of consulting companies.
BBA (Hons) HRM	BBADSE III	Discipline Specific Elective Course	Training and Development	It familiarizes the students with the concept and practice of training and development in the modern organizational setting.
	BBADSE IV	Discipline Specific Elective Course	Discipline and Grievance management	Acquaint students with concepts of Industrial Relations and various legislations related to Labour Welfare and Industrial Relations.

B. Com. (Hons & Prog.) Courses under CBCS System

Sem.	Prog. Name	Course Code	Course Name	Course Title	Course Specific Outcome
SEM-I	B.COM (Hons)	CC-1	Core Course	FINANCIAL ACCOUNTING	This subject helps the students to get the knowledge and techniques to maintain financial records, prepare report relating various aspects of financial decision making of the management and to keep the flow of financial information to the different stake holders
	B.COM (Hons)	CC- 2	Core Course	BUSINESS LAW	By studying this subject students will get adequate knowledge as regards to various laws required for proper functioning of trade, business and commerce. They will be well conversant with the laws, rules and regulations of different contracts the business enters into, regarding purchase and sales, Negotiable instruments, Consumer Protections etc. They will have complete idea regarding Partnership, LLP and Company which will help them to deal with the corporate world.
	B.COM (Hons)	GE-1	Generic Elective Course	MICRO ECONOMICS	This subject will provide complete knowledge to the students regarding economic affairs of the country and how business is related to that. Basic theory of this subject will help them to make proper decision making for the better benefit of the business by using modern tools and techniques of economics.
SEM -II	B.COM (Hons)	CC-3	Core Course	MANAGEMENT PRINCIPLES AND APPLICATION	Students will become efficient in administrative affairs and managerial skill. They will be equipped with standard solution with different managerial problems prevailed in regular course of business. By the help of this subject the leadership quality of the students will be increased in every field of business and society which will lead the country towards achieving the target of being global leader
	B.COM (Hons)	CC-IV	Core Course	CORPORATE LAWS	By studying this subject students will get adequate knowledge as regards to various laws required for proper functioning of trade, business and commerce. They will be well conversant with the laws, rules and regulations of different contracts the business enters into, regarding purchase and sales, Negotiable instruments, Consumer Protections etc. They will have complete idea regarding Partnership,

				LLP and Company which will help them to deal with the corporate world.
B.COM (Hons)	GE-2	Generic Elective Course	MACRO ECONOMICS	This subject will provide complete knowledge to the students regarding economic affairs of the country and how business is related to that. Basic theory of this subject will help them to make proper decision making for the better benefit of the business by using modern tools and techniques of economics.
SEM - III				
B.COM (Hons)	CC-V	Core Course	HUMAN RESOURCE MANAGEMENT	Students will become efficient in dealing with human resource of the business, in solving their problems regarding payment, increment, promotion, appreciation, working environment, job satisfaction, motivation etc., and to involve them in efficient running of the business. This subject will provide knowledge in selection and recruitment of right person in right position to develop the human capital of the business
B.COM (Hons)	CC-VI	Core Course	INCOME TAX LAW AND PRACTICE	Outcomes: Students will have adequate knowledge regarding different heads of Income tax which will benefit them to compute tax liability, to maintain the tax files, to submit returns and handle with the legal fields of Income tax. They will be able to identify tax avoidance and tax evasion with the knowledge acquired from this subject. Moreover, they will be allowed to do private tax practice with the provision of 'certificate of practice' by Department of Income Tax
B.COM (Hons)	SEC-1	Skill Enhancement Course	CORPORATE ACCOUNTING	This subject helps the students to get the knowledge and techniques to maintain financial records, prepare report relating various aspects of financial decision making of the management and to keep the flow of financial information to the different stake holders. The subject provides an introduction to the corporate affairs relating to accounting. .
B.COM (Hons)	DSE-1	Discipline Specific Core Course	BUSINESS STATISTICS	The subject tries to familiarize the students with the basic statistical tools, with an emphasis on applications to business and economic situations. Quantitative techniques to solve various managerial problem is imparted in the students which is research based and sample result are tested.
B.COM (Hons)	SEC-2	Skill Enhancement Course	ENTREPRENEURSHIP	The students learn the various qualities to become a successful entrepreneur. Various case studies are done in order to prepare individuals who can shoulder the challenges on the path of becoming a entrepreneur of the present day. To convert a start

					up to a unicorn and a unicorn to a company
	B.COM (Hons)	CC-VII	Generic Elective Course	COST ACCOUNTING	This subject helps the students to get the knowledge and techniques to maintain cost records, prepare report relating various aspects of costing decision making of the management and to keep the flow of costing information to the different management levels. The subject provides an introduction to the costing affairs relating to accounting
SEM-IV	B.COM (Hons)	DSC-2	Discipline Specific Core Course	BUSINESS MATHEMATICS	The subject tries to familiarize the students with the basic mathematical tools, with an emphasis on applications to business and economic situations. Quantitative techniques to solve various managerial problem is imparted in the students • .
	B.COM (Hons)	DSC-3	Discipline Specific Core Course	PRINCIPLES OF MARKETING	Through this subject the student learn the technique of advertising i.e. product, price, placement and promotion. They learn the importance of advertisement in the present day business world and how it is used to fight the present day competition. How to market the products on a large scale basis is taught in this subject
	B.COM (Hons)	GE-3	Generic Elective Course	INDIAN ECONOMY	This subject will provide complete knowledge to the students regarding economic affairs of the country and how business is related to that. Basic theory of this subject will help them to make proper decision making for the better benefit of the business by using modern tools and techniques of economics
	B.COM (Hons)	SEC-3	Skill Enhancement Course	E-COMMERCE	The students learn about the various software that are available in the field of finance. They also learn how to save time by the use of various techniques and bring solutions to many managerial problems.
	B.COM (Hons)	SEC-4	Skill Enhancement Course	COMPUTER APPLICATIONS IN BUSINESS	The students learn about various softwares that are available in the field of finance. They also learn how to save time by the use of various techniques and bring solutions to many managerial problems.
	B.COM (Hons)	CC-VIII	Discipline Specific Core Course	FUNDAMENTALS OF FINANCIAL MANAGEMENT	The subject is highly beneficial as regards to decision making in the field of capital budgeting [calculation of IRR, NPV]. Students learn the technique of calculating cost of various sources of capital. The students can take decisions on project financing, its viability and inflows.
	B.COM	SEC-4	Skill	ADVERTISING	Through this subject the student learn the technique

	(Hons)		Enhance ment Course		of advertising i.e. product, price, placement and promotion. They learn the importance of advertisement in the present day business world and how it is used to fight the present day competition.
SEM - V	B.COM (Hons)	GE-4	Generic Elective Course	MANAGEMENT ACCOUNTING	This subject helps the students to get the knowledge and techniques to maintain accounting records, prepare report relating various aspects of financial decision making of the management and to keep the flow of financial information to the different management levels. The subject provides an introduction to the management affairs relating to accounting
	B.COM (Hons)	CC-IX	Core Course	INDUSTRIAL RELATIONS AND LABOUR LAWS	By studying this subject student will get adequate knowledge as regards to various laws required for proper functioning industries. They will be well conversant with the laws, rules and regulations of different contracts the business enters into, regarding purchase and sales, Negotiable instruments, Consumer Protections etc. They will have complete idea regarding Partnership, LLP and Company which will help them to deal with the corporate world.
	B.COM (Hons)	DSC-4	Discipline Specific Elective Course	AUDITING AND CORPORATE GOVERNANCE	The subject gives the student knowledge about how auditing of financial, management and cost accounting is done. It also imparts the knowledge of corporate social responsibility and business ethics.
	B.COM (Hons)	DSC-V	Discipline Specific Elective Course	GOODS AND SERVICES TAX & CUSTOMS DUTY	Outcomes: Students will have adequate knowledge regarding different goods and service tax which will benefit them to compute tax liability, to maintain the tax files, to submit returns and handle with the legal fields of GST. They will be able to identify tax avoidance and tax evasion with the knowledge acquired from this subject. Moreover, they will be allowed to do private tax practice with the provision of 'certificate of practice' by Department of GST. •
SEM-VI					
	B.COM (Hons)	SEC-V	Skill Enhance ment Course	COMPUTERISED ACCOUNTING & SYSTEMS	The students are equipped with various soft wares that are available in the field of finance. They also learn how to save time by the use of various techniques and bring solutions to many managerial problems.
	B.COM (Hons)	SEC-VI	Skill Enhance ment Course	FUNDAMENTAL S OF INVESTMENT	The subject gives the student an in depth knowledge about security analysis and portfolio management. The student learns about the various investment opportunities available and how to manage the risk associated with them.

	B.COM (Hons)	DSC-VI	Discipline Specific Core Course	Financial Markets, Institutions and Financial Services	Through this subject the student will become efficient in financial market, money market and capital market. They learn about the various instruments that are in existence and how they can be used in development of the business firm.

COURSE STRUCTURE OUTCOME FOR B.COM PROGRAM

SEM- 1 SEM-2 SEM-3	B.COM (PROG)	CC-1	Core Course	FINANCIAL ACCOUNTING - I	This subject helps the students to get the knowledge and techniques to maintain financial records, prepare report relating various aspects of financial decision making of the management and to keep the flow of financial information to the different stake holders.
	B.COM (PROG)	CC-2	Core Course	BUSINESS LAW	By studying this subject students will get adequate knowledge as regards to various laws required for proper functioning of trade, business and commerce. They will be well conversant with the laws, rules and regulations of different contracts the business enters into, regarding purchase and sales, Negotiable instruments, Consumer Protections etc. They will have complete idea regarding Partnership, LLP and Company which will help them to deal with the corporate world.
	B.COM (PROG)	CC-3	Discipline Specific Elective Course	BUSINESS ORGANISATION AND MANAGEMENT	Students will become efficient in administrative affairs and managerial skill. They will be equipped with standard solution with different managerial problems prevailed in regular course of business. By the help of this subject the leadership quality of the students will be increased in every field of business and society which will lead the country towards achieving the target of being global leader.
	B.COM (PROG)	CC-4	Discipline Specific Elective Course	CORPORATE LAW	By studying this subject students will get adequate knowledge as regards to various laws required for proper functioning of trade, business and commerce. They will be well conversant with the laws, rules and regulations of different contracts the business enters into, regarding purchase and sales, Negotiable instruments, Consumer Protections etc. They will have complete idea regarding Partnership, LLP and Company which will help them to deal with the corporate world
	B.COM (PROG)	CC-V	Discipline Specific Elective Course	INCOME TAX LAW AND PRACTICE	Outcomes: Students will have adequate knowledge regarding different heads of Income tax which will benefit them to compute tax liability, to maintain the tax files, to submit returns and handle with the legal fields of Income tax. They will be able to identify tax avoidance and tax evasion with the knowledge acquired from this subject. Moreover, they will be

					allowed to do private tax practice with the provision of 'certificate of practice' by Department of Income Tax.
	B.COM (PROG)	CC-VI	Generic Elective Course	CORPORATE ACCOUNTING	This subject helps the students to get the knowledge and techniques to maintain financial records, prepare report relating various aspects of financial decision making of the management and to keep the flow of financial information to the different stake holders. The subject provides an introduction to the corporate affairs relating to accounting.
	B.COM (PROG)	SEC-1	Skill Enhancement Course	ENTREPRENURSHIP	The students learn the various qualities to become a successful entrepreneur. Various case studies are done in order to prepare individuals who can shoulder the challenges on the path of becoming a entrepreneur of the present day. To convert a start up to a unicorn and a unicorn to a company.
SEM-4	B.COM (PROG)	CC-VII	Core Course	COST ACCOUNTING	This subject helps the students to get the knowledge and techniques to maintain cost records, prepare report relating various aspects of costing decision making of the management and to keep the flow of costing information to the different management levels. The subject provides an introduction to the costing affairs relating to accounting.
	B.COM (PROG))	CC-VIII	Core Course	BUSINESS MATHEMATICS AND STATISTICS	The subject tries to familiarize the students with the basic mathematical tools, with an emphasis on applications to business and economic situations. Quantitative techniques to solve various managerial problem is imparted in the students
	B.COM (PROG)	SEC-2	Skill Enhancement Course	E- COMMERCE	The students learn about various software's that are available in the field of finance. They also learn how to save time by the use of various techniques and bring solutions to many managerial problems.
SEM-V	B.COM (PROG)	DSC-1	Discipline Specific Core Course	PRINCIPLES OF MARKETING	Through this subject the student learn the technique of advertising i.e. product, price, placement and promotion. They learn the importance of advertisement in the present day business world and how it is used to fight the present day competition. How to market the products on a large scale basis is taught in this subject
	B.COM (PROG)	DSC-2	Discipline Specific Core Course	MANAGEMENT ACCOUNTING	This subject helps the students to get the knowledge and techniques to maintain accounting records, prepare report relating various aspects of financial decision making of the management and to keep the

					flow of financial information to the different management levels. The subject provides an introduction to the management affairs relating to accounting
	B.COM (PROG)	DSC-2	Discipline Specific Core Course	HUMAN RESOURCE MANAGEMENT	Students will become efficient in dealing with human resource of the business, in solving their problems regarding payment, increment, promotion, appreciation, working environment, job satisfaction, motivation etc., and to involve them in efficient running of the business. This subject will provide knowledge in selection and recruitment of right person in right position to develop the human capital of the business
	B.COM (PROG)	GE-1	Generic Elective Course	PRINCIPLES OFMICROECON OMICS	This subject will provide complete knowledge to the students regarding economic affairs of the country and how business is related to that. Basic theory of this subject will help them to make proper decision making for the better benefit of the business by using modern tools and techniques of economics.
	B.COM (PROG)	SEC-3	Skill Enhance ment Course	COMPUTER APPLICATIONS INBUSINESS	The students learn about various software's that are available in the field of finance. They also learn how to save time by the use of various techniques and bring solutions to many managerial problems.
SEM-VI	B.COM (PROG)	DSC-3	Discipline Specific Core Course	COMPUTERISE D ACCOUNTING & SYSTEMS	The students learn about various soft wares that are available in the field of finance. They also learn how to save time by the use of various techniques and bring solutions to many managerial problems.
	B.COM (PROG)	DSC-3	Discipline Specific Core Course	AUDITING AND CORPORATE GOVERNANCE	The subject gives the student knowledge about how auditing of financial, management and cost accounting are done. It also imparts the knowledge of corporate social responsibility and business ethics.
	B.COM (PROG)	DSC-4	Discipline Specific Core Course	Financial Markets, Institutions and Financial Services	Through this subject the student will become efficient in financial market, money market and capital market. They learn about the various instruments that are in existence and how they can be used in development of the business firm.
	B.COM (PROG)	DSC-4	Discipline Specific Core Course	GOODS AND SERVICES TAX& CUSTOMS DUTY	Outcomes: Students will have adequate knowledge regarding different goods and service tax which will benefit them to compute tax liability, to maintain the tax files, to submit returns and handle with the legal fields of GST. They will be able to identify tax avoidance and tax evasion with the knowledge acquired from this subject. Moreover, they will be allowed to do private tax practice with the provision of 'certificate of practice' by Department of GST

	B.COM (PROG)	GE-2	Generic Elective Course	INDIAN ECONOMY	This subject will provide complete knowledge to the students regarding economic affairs of the country and how business is related to that. Basic theory of this subject will help them to make proper decision making for the better benefit of the business by using modern tools and techniques of economics
	B.COM (PROG)	SEC-4	Skill Enhancement Course	BUSINESS COMMUNICATION	The subjects equip students of the B.Com course effectively to acquire skills in reading, writing, comprehension and communication, as also to use electronic media for business communication. How to write letter in a standard form and also how it is addressed is thought.

Course Specific Outcomes
B.A/B.Sc Economics Honours and Programme under CBCS System

Sem.	Prog. Name	Course Code	Course Name	Course Title	Course Specific Outcome
SEM-I	B A (Hons)	CC1	Core Course	Introductory Microeconomics	1. Exposure of the students to the basic principles of micro economic theory and illustrates how micro economic concepts can be applied to analyze real life situations 2. Introduce the students to the first course in economics from the perspective of individual decision making as consumers and producers. 3. The students learn some basic principles of microeconomics, interactions of supply and demand and characteristics of perfect and imperfect markets. 4. Analyze the real life scenario with the help of basic economic concepts. 5. The students will be able to explain the functions of the market and its price mechanism
	B A (Hons)	CC2	Core Course	Mathematical Method for Economics – I	1. Explain how mathematical techniques can be applied to economic theory 2. Improve the basic mathematical skills of the students by familiarizing them with Set theory, function, sequence and Number system for economic decision making. 3. Applications of calculus in economics 4. Acquaint the students with dynamic analysis using difference and differential equations.
	B A (Prog)	DSC 1 Paper I	Discipline Specific Core Course	Microeconomics	1. Understand basic principles of microeconomics 2. Comprehend the mechanism of demand and supply and market equilibrium 3. Analyze different market structure and their workings, along with factor markets
	B A (Hons)	GE Paper I	Generic Elective Course	Microeconomics	1. Understand basic principles of microeconomics 2. Comprehend the mechanism of demand and supply and market equilibrium 3. Analyze different market structure and their workings, along with factor markets
SEM – II	B A (Hons)	CC3	Core Course	Introductory Macroeconomics	1. A comprehensive understanding of the concept of GDP and GNP, enabling them to analyze the status of the economy, its growth over time in a compatible manner.

					2. Introduction to the basics of monetary economics which will enable them to understand the debate between the monetarists and the Keynesians at a higher level. 3. Understanding of the theories that explain one of the conditions of market economy that comes in the form of inflation. Comprehension of the significance of price stability and the socio-economic costs of its absence.
	B A (Hons)	CC4	Core Course	Mathematical Method for Economics – I	1. Apply mathematical tools for optimisation and taking economic decisions. 2. Acquaint the students with game theory 3. Application of mathematical tools in economic micro and macro models
	B A (Prog)	DSC 1 Paper II	Discipline Specific Core Course	Macroeconomics	1. Analyze various theories of determination of National Income in great details 2. Introduce students to concept of inflation, its relationship with unemployment and some basic concepts in an open economy 3. Provide students with an analytical framework to understand the basic functioning of the macroeconomy 4. Allow students to critically examine and comment on effectiveness of various policies.
	B A (Hons)	GE Paper 2	Generic Elective Course	Macroeconomics	1. Analyze various theories of determination of National Income in great details 2. Introduce students to concept of inflation, its relationship with unemployment and some basic concepts in an open economy 3. Provide students with an analytical framework to understand the basic functioning of the macroeconomy 4. Allow students to critically examine and comment on effectiveness of various policies.
SEM - III	B A (Hons)	CC5	Core Course	Intermediate Microeconomics-I	1. Ability to decipher the features and functioning of different forms of markets 2. Understand and analyse optimal decision-making processes applicable in the sphere of costs, output and production. **3.** The familiarity with general equilibrium analysis and understanding concepts of welfare analysis will help in the assessment of welfare implications of economic processes
	B A (Hons)	CC6	Core Course	Intermediate Macroeconomics - I	1. Theoretical understanding the two main components of national income viz. consumption & Investment functions 2. Understand the theory of employment,

				multiplier and acceleration
				3. Understand the relative efficacy of fiscal and monetary policies under restrictive conditions, expose to more realistic foreign exchange regime that prevails in the world today.
B A (Hons)	CC7	Core Course	Statistical Methods for Economics – I	1. Develop the elementary statistical skills by getting familiar with sampling, measures of central tendency and dispersion essential for economic decision making. 2. Ability to analyse variable relationship and prediction using correlation, regression and time series analysis
B A (Hons)	SEC 1 Paper I	Skill Enhancement Course	Business Project Formulation & Entrepreneurship Development	1. It will enable the students to understand how a business project is formulated and the steps related with it 2. Students will realise the importance of entrepreneurship in economic development country 3. Students can understand the importance of Small Scale Industries for economic development in India 4. Through the project work students will be know how data can be collected using a questionnaire and how to process the collected data 5. Students will be introduced to micro and small scale industries in the locality
B A (Prog)	DSC 1 paper III	Discipline Specific Core Course	Development Economics	1. Distinguish between economic growth and economic development and know the different indicators of development 2. Know the obstacle of economic development 3. Understand the relation between population and economic development 4. Analyze the role of foreign investment and role of international financial institutions in economic development
B A (Prog)	SEC 1 Paper I	Skill Enhancement Course	Business Project Formulation & Entrepreneurship Development	1. It will enable the students to understand how a business project is formulated and the steps related with it 2. Students will realise the importance of entrepreneurship in economic development country

					3. Students can understand the importance of Small Scale Industries for economic development in India 4. Through the project work students will be know how data can be collected using a questionnaire and how to process the collected data 5. Students will be introduced to micro and small scale industries in the locality
SEM-IV	B A (Hons)	CC 8	Core Course	Intermediate Microeconomics - II	1. Acquaintance with game theory 2. Evaluate and assess market failure induced by externalities and asymmetric information 3. Develop a sense of how the production is distributed among the different factors of production and the demand for inputs 4. Learn how to make decision in uncertain conditions
	B A (Hons)	CC 9	Core Course	Intermediate Macroeconomics – II	1. Provide students with an analytical framework to understand the basic functioning of the macroeconomy 2. Understand the relative efficacy of fiscal and monetary policies under restrictive conditions, expose to more realistic foreign exchange regime that prevails in the world today. 3. Allow to critically examine and comment on effectiveness of various policies. 4. A clear understanding of fundamentals growth models
	B A (Hons)	CC 10	Core Course	Statistical Methods for Economics- II	1. Introduce the students to the notion of sampling techniques, probability ,probability distribution and statistical inference 2. Provide a strong groundwork of Probability Theory
	B A (Hons)	SEC 1 Paper II	Skill Enhancement Course	Tourism Management	1. Understand the various aspects of tourism and measurement of tourism 2. Acquaintance with the Cultural Heritage of India 3. Familiarity with the new forms of tourism in the present times 4. Learn about the tourism resources of the state
	B A (Prog)	DSC 1 Paper IV	Discipline Specific Core Course	Elementary Statistics	1. Develop the elementary statistical skills by getting familiar with sampling, measures of central tendency and dispersion 2. Learn the different forms of data presentation 3. Understand frequency distribution
	B A	SEC 1	Skill	Tourism	1. Understand the various aspects of tourism

	(Prog)	Paper II	Enhancement Course	Management	and measurement of tourism 2. Acquaintance with the Cultural Heritage of India 3. Familiarity with the new forms of tourism in the present times 4. Learn about the tourism resources of the state
SEM - V	B A (Hons)	CC 11	Core Course	Indian Economy	1. Understand the history and evolution of the Indian economy since independence 2. Conceptualize the growth pattern of human resource development and appraise the policy measures 3. Comprehend various aspects of economic challenges such as poverty & unemployment 4. Study the structure of Indian economy, Agriculture, Industry and Demographic features 5. Study the poverty, unemployment problem and eradication measures 6. Understand the causes and effects of Economic Reforms in India
	B A (Hons)	CC 12	Core Course	Development Economics	1. Comprehend the concept and indicators of development 2. Familiarize with the fundamental theories of development 3. Understanding of the concept of inequality, its measurement and consequences emphasizing on empirical considerations 4. Comprehend the basic concepts of demography 5. Understand the nexus between trade, globalisation, environmental issues & sustainable development
	B A (Hons)	DSE 1	Discipline Specific Elective Course	Economic History of India(1857-1947)	1. The course analyses the key aspects of Indian economic development during the second half of British colonial rule 2. Throw light on the various sectors of the Indian economy like agriculture, railways and industry under the British Regime
	B A (Hons)	DSE 2	Discipline Specific Elective Course	Topics in Public Economics	1. Conceptualize the various Principles of Public Finance 2. Understand public goods and externalities 3. Study Indian Public Finance 4. Familiarity with local finances
	B A (Prog)	DSE1-paper I	Discipline Specific Elective Course	Indian economy-I	1. come out with the Knowledge of Indian economy 2. Study the structure of Indian economy, Agriculture, Industry and Demographic

				features	
				3. Study the poverty, unemployment problem and eradication measures	
	B A (Prog)	GE 1 Paper 1	Generic Elective Course	Microeconomics	1. Understand basic principles of microeconomics 2. Comprehend the mechanism of demand and supply and market equilibrium 3. Analyze different market structure and their workings, along with factor markets
	B A (Prog)	SEC2 paper 1	Skill Enhancement Course	Business Project Formulation & Entrepreneurship Development	1. It will enable the students to understand how a business project is formulated and the steps related with it 2. Students will realise the importance of entrepreneurship in economic development country 3. Students can understand the importance of Small Scale Industries for economic development in India 4. Through the project work students will be know how data can be collected using a questionnaire and how to process the collected data 5. Students will be introduced to micro and small scale industries in the locality
SEM-VI	B A (Hons)	CC 13	Core Course	International Economics	1. Understanding of the traditional core theories of international trade 2. Ability to evaluate trade policies with reference to effective gain and world welfare 3. Familiarity with issues that dominate the international financial system. 4. Understanding the working of international monetary system & institutions
	B A (Hons)	CC 14	Core Course	Public Economics	1. Understand the basic fiscal functions of an economy 2. Learn the nature, scope and importance of public finance 3. Understand the different aspects of public debt, public revenue and public budget 4. Understand the basics of Indian Public finances, including recent tax structures.
	B A (Hons)	DSE 3	Discipline Specific	Comparative Economic	1. Introduce the various perspectives of comparative economic development

		Elective Course	Development (1850-1950)	2. Comparison of agricultural and industrial development across the globe 3. Emphasize the economic development of China and other selected Asian economies
B A (Hons)	DSE 4	Discipline Specific Elective Course	Topics in International Economics	1. Understanding the concept of economic integration 2. Know the foreign exchange control, BOP and BOT 3. Conceptualize theories of tariff and quotas 4. Analyse international factor movements 5. understand how and why world prices change and their effects in different economies
B A (Prog)	DSE1 paper II	Discipline Specific Elective Course	Indian Economy-II	1. Help in improving employment prospects and career advancement of the students 2. Understand the importance and implication of Five Year plans 3. Study the Indian's foreign trade policies and trade relations with world
B A (Prog)	GE 2	Generic Elective Course	Macro-economics	1. Analyze various theories of determination of National Income in great details 2. Introduce students to concept of inflation, its relationship with unemployment and some basic concepts in an open economy 3. Provide students with an analytical framework to understand the basic functioning of the macroeconomy 4. Allow students to critically examine and comment on effectiveness of various policies.
B A (Prog)	SEC 2 paper II	Skill Enhancement Course	Tourism Management	1. Understand the various aspects of tourism and measurement of tourism 2. Acquaintance with the Cultural Heritage of India 3. Familiarity with the new forms of tourism in the present times 4. Learn about the tourism resources of the state

Course Specific Outcomes
B.A English Honours Course

Course outline and objectives:

I. English Language

CC1: English Language

After the completion this course the students will agave a better understanding of:

The origin, history and development of the English language

Know about the various stylistic and rhetorical devices used in the literary texts.

Learn about various literary types such as tragedy, comedy and the lyric

Set the foundation for an in depth study of English Literature.

II. Classical Literature

   CC2: European Classical Literature

   CC3: Indian Classical Literature and Indian Writing in English

   DSE3: Partition Literature

   DSE4: Indian Literature in English

   GE1: Translation, Selections from Indian Literature

   DSE2: Selections from Modern Indian Literature

   DSE4: Selections from Living Literatures

           An Anthology of Prose and Poetry

After the completion of this course

1. Students will have a better understanding of ancient European and Indian classical texts.
2. They will understand the importance of and relevance of these texts, (as well as the importance of tradition in modern day life).
3. Learn about the cultures, traditions and practices of earlier days and the wisdom inherent in these texts.

4. Know how these texts have influenced the later literatures.
5. Become familiar with contemporary Indian writings and writers both translated versions and in English.
6. Learn to appreciate and value the vast, varied and rich literature of their own country.
7. Know about the trauma and suffering of the people during the Partition of India and foster a greater love for their country.
8. Refresh history of the country through the literary texts of various periods.
9. Know about the emergence of Indian Literature.

III. British Literature

CC4: British Literature: old English Period to 14TH Century

CC6: British Poetry and Drama 14th to 17th Century

CC7: British Poetry and Drama 17th to 18th Century

CC8: British Poetry and Drama 18th Century

CC9: British Romantic Literature

CC10: British Literature 19th Century

CC12: British Literature the early 20th Century

GE2: Selection from British Literature

DSC3: Prose and Verse

After the completion of this course students will have learnt

1. About the development and growth of English literature through the ages, from Old English texts to the 20th century.
2. Understand literature as a composite whole and not in compartments.
3. Learn about the influence of the age in shaping its literature
4. Learn about influential thinkers and writers who contributed to the growth of literature.
5. Modernism, Post- Modernism and Non-European cultures.

IV. Women's Writing

CC11

On completion of this course students will have a better understanding of

1. Women writers and their contribution
2. The trials and tribulations faced by women thinkers and writers from across the globe
3. The rise of feminism and women issues
4. The of patriarchy, gender and society as a whole
5. Women's movement in the early 20th century
6. Gender Studies

V. Modern Literature

CC5: American Literature

CC13: Modern European Drama

After studying these outcomes students will have learnt about

1. The growth of American Literature as a genre
2. The influence of the two world wars
3. The various concepts related to Modern Literature
4. The influence of thinkers like Sigmund Freud, Karl Marx, etc om modern literature
5. The emergence of European drama in the 20th century.
6. The great dramatists like Ibsen, Chekhov who shaped modern drama

VI. Post-Colonial Literatures

CC14

1. After completion of this course students will have a better understanding of the influence of decolonisation and globalisation on literature.
2. The issues of identity and identity politics.
3. The emergence of a global audience and reading public.
4. A larger view of the literature from other countries like Latin America, Africa and India.

VII. Literary Theory and Criticism

DSE1

After studying the course students will have an understanding of

1. The literary theories and thinkers to a study of literature.
2. Be able to develop reasoning and critical faculties.
3. Theories like Modernism, Postmodernism etc.
4. Issues and movements that have shaped the modern world.
5. Develop their own critical skills for further studies/ research.

VIII. Popular Literature

DSE2

After the completion of this course, students will have a better understanding of:

1. How popular culture shapes the imagination of the people
2. The relationship between popular culture and popular texts.
3. The various characteristics/ elements that define popular texts.
4. The nuances in difference between 'classical' or 'high-brow' literature and 'popular' literature.

IX Language Studies:

AECC: English Communication

SEC: Text Comprehension and Editing, Business Communication

LCC: Technical Writing Skill, Professional Writing Skills

After the completion of this course students will

Learn how to write appropriately.

Learn how to write minutes of a meeting, job applications, notices, advertisements, etc.

Learn about the importance of communication and the soft skills required to succeed in an organisation.

Improve their fluency in spoken English

Learn how to communicate effectively

Develop the soft skills required to succeed as an entrepreneur or work in a business organisation.

Course Specific Outcomes
B.A/B.Sc Geography Honours Programme
Course under CBCS System

Sem	Programme Name	Course Code , Name and Title	Course Specific Outcome
1st	B.A/B.Sc Geography Honours	i) GEOH-CCHL -101 Core Courses :Geotectonic (Theory -4credits + Practical – 2 credits)	With the objectives set, students are hereby able to understand about the interior structure of the Earth along with the evolution of the primary landforms.
		ii) GEOH-CCHL -102 Core Courses :Geomorphology Theory -4credits + Practical – 2 credits	Students got ideas on the evolution of secondary landscape on primary landforms
2nd		i) GEOH-CCHL -201 Core Courses: Human Geography (Theory -4credits + Practical – 2 credits)	Students are able to understand the inter-relationship between man and environment and their resultant spatio-temporal features on human responses.
		ii) GEOH-CCHL-202 Core Courses: Settlement Geography (Theory -4credits + Practical – 2 credits)	Students are able to understand about the inter-relationship between man and environment and their resultant spatio-temporal features on human responses with particular reference to evolution of settlements.
3rd		i) GEOH-CCHL-301 Core Courses : Climatology (Theory -4credits + Practical – 2 credits)	Students are able to have a proper idea about the climatic variations over the world and its association with elements of the natural environment and human activities.
		ii) GEOH_CCHL-302 Core Courses: Statistical Methods in Geography (Theory - 4credits + Practical – 2 credits)	Students are able to understand about the sources and uses of data ; methods for processing, storing, retrieving, and applications.
		iii) GEOH-CCHL-303 Core Courses: Geography of India (Theory -4credits + Practical – 2 credits)	Students are able to have a proper idea about the Indian subcontinent with respect to its physical and human aspects.
		SEC-GEOH-SECT-305 Skill Enchancement Course: Rural Development (Theory-4credits)	Students gets to understand about the different programmes to be taken by the conce4ned authority for the improvement of quality of life of the rural people.
4th	B.A/B.Sc Geography Honours	i) GEOH-CCHL-401 Core Courses: Economic Geography (Theory -4credits + Practical – 2 credits)	Students are able to understand about the areal variation on the earth's surface of activities related to producing, exchanging and consuming goods and services.
		ii) GEOH-CCHL-402 Core Courses: Regional Planning and Development (Theory -	Students are able to have a proper idea about the efficient utilization and management of the resources; planning and development of the

1st		4credits + Practical – 2 credits)	areas as a whole.
		iii) GEOH-CCHL-403 Core Courses: Fieldwork and Research Methodology (Theory -4credits + Practical – 2 credits)	Students are able to understand about the various methods involved in collection, processing, analyzing and representation of data through different statistical tools.
		SEC-GEOH-SECT-405 Skill Enchancement Course: Tourism Management	Students gets an idea about the vast potential of tourism industry in India as one of the fastest growing service industry.
5th		i) GEOH-CCHL-501 Core Courses: Biogeography &Pedology (Theory -4credits + Practical – 2 credits)	Students are able to have an idea about the characteristics and adaptational behavior of plants and animals. Students gets an idea about the evolution and classification of soils, often in the context of natural environment
		ii) GEOH-CCHL-502 Core Courses : Remote Sensing and GIS (Theory -4credits + Practical – 2 credits)	Students gets an idea about different techniques used generally in acquisition of data from the air-borne and space-borne platforms ; storing, processing, analyzing and application of these data by applying GIS as a powerful set of tools.
		iii) GEOH-DE1L-503 Core Courses: Population Geography (Theory -4credits + Practical – 2 credits)	Students are able to have a proper idea about the different facets of population studies such as demographic, socio-politico-economic evolved as a result of human interactions with the natural environment.
		iv) GEOH-DE2L- 504: Urban Geography (Theory -4credits + Practical – 2 credits)	Students are able to have a proper idea about the origin and growth of towns and cities; intra-city, inter-cities and rural-urban relations.
6th		i) GEOH-CCHL-601 Core Courses: Evolution of Geographical Thought (Theory -4credits + Practical – 2 credits)	Students get to know about the different schools of thoughts that contributed to the evolution of geography as a discipline.
		ii) GEOH-CCHL-602 Core Courses: Disaster Management (Theory -4credits + Practical – 2 credits)	Students are able to have a proper understanding about hazards and disasters and the management of such disasters by following different measures involved in it.
		iii) GEOH- DE3L-603: Political Geography (Theory -4credits + Practical – 2 credits)	Students are able to have an idea about the geopolitical strategies and maritime securities of various nations.
		iv) GEOH-DE4L-604: Social and Cultural Geography (Theory -4credits + Practical – 2 credits)	Students are able to understand about the origin and evolution of societies and their temporal changes in behaviors and characteristics.
1st		i) GEOP-DSCL-104 Discipline Specific Course: Physical Geography (Theory -	Students are able to understand about the origin of the Earth; its internal structure, endogenic and exogenic forces that has given rise to the existing

25

		4credits + Practical – 2 credits)	landforms of the Earth.
2nd		i) GEOP-DSCL-204 Discipline Specific Course: Human Geography (Theory - 4credits + Practical – 2 credits)	Students are able to understand the inter-relationship between man and environment and their resultant spatio-temporal features on human responses.
3rd		i) GEOH-DSCL-306 Discipline Specific Course: Regional Development (Theory -4credits + Practical – 2 credits)	Students are able to have a proper idea about the efficient utilization and management of the resources; planning and development of the areas as a whole.
		SEC:GEOH-SECT-305 Skill Enhancement Course: Rural Development (Theory-2credits)	Students gets to understand about the different programmes to be taken by the concerned authority for the improvement of quality of life of the rural people
4th		i) GEOH-DSCL-406 Discipline Specific Course: Spatial Information Technology (Theory -4credits + Practical – 2 credits)	Students gets an idea about different techniques used generally in acquisition of data from the air-borne and space-borne platforms ; storing, processing, analyzing and application of these data by applying GIS as a powerful set of tools
		SEC-GEOH-SECT-405 Skill Enhancement Course: Tourism Management (Theory-2credits)	Students gets an idea about the vast potential of tourism industry in India as one of the fastest growing service industry.
5th		i) GEOP-DE1L-505: Disaster Management (Theory - 4credits + Practical – 2 credits)	Students are able to have a proper understanding about hazards and disasters and the management of such disasters by following different measures involved in it.
		Sec:GEOP-SECL-507 Skill Enhancement Course: Rural Development (Theory-2credits)	Students gets to understand about the different programmes to be taken by the concerned authority for the improvement of quality of life of the rural people
		GE-GEOP-GE1L-506: Physical Geography (Theory - 4credits + Practical – 2 credits)	Students are able to understand about the origin of the Earth; its internal structure, endogenic and exogenic forces that has given rise to the existing landforms of the Earth.
6th		i) GEOP-DE2L-605: Rural Development (Theory - 4credits + Practical – 2 credits)	Students gets to understand about the different programmes to be taken by the concerned authority for the improvement of quality of life of the rural people
		SEC: GEOP-SECL-607: Tourism Management (Theory 2 credits)	Students gets an idea about the vast potential of tourism industry in India as one of the fastest growing service industry.
		GE:GEOP-GE2L-606 Generic Elective: Geography of India (Theory-4credits)	Students are able to have a proper idea about the Indian subcontinent with respect to its physical and human aspects.

Course Specific Outcomes
B.A Hindi Programme Course under CBCS System

Semester	Course Code and Name	Course Title	Course Specific Outcome
1st Sem	हिन्दी साहित्य का इतिहास (सम्पूर्ण) DSC -1	1-कालविभाजन और नामकरण -आदिकालीन काव्य धाराएँ सिद्ध-नाथ-जैन- रासो काव्य आदिकालीन हिन्दी की सामान्य विशेषताएँ- 2- भक्ति आंदोलन , सामाजिक सांस्कृतिक पृष्ठभूमि- प्रमुख निर्गुण कवि-प्रमुख सगुण कवि- भक्तिकाल की सामान्य विशेषता – 3- रीतिकाल की ऐतिहासिकपृष्ठभूमि – रीतिबद्ध –रीतिसिद्ध –रीतिमुक्त- 4- 1857 की स्वतन्त्रता संघर्ष और हिन्दी नवजागरण भारतेन्दु युग – द्विवेदी युग-द्विवेदी युग के प्रमुख गद्य लेखक और कवि-मैथिली शरण गुप्त और राष्ट्रीय काव्य – 5- हिन्दी के गद्य विधाओं का उद्भव और विकास – उपन्यास –कहानी- नाटक-निबंध-	हिन्दी साहित्य के इतिहास के सभी कालों का अध्ययन हो पाएगा . कालों के आंदोलन और पृष्ठभूमि को जान पाएंगे। सभी कालों के कवियों के बारे में जान पाएंगे। 1857 की क्रांति की जानकारी मिल पाएगी। हिन्दी के गद्य के विभिन्न विधा को अच्छी तरह से समझ पाएंगे। विषय वस्तु का पूर्व ज्ञान और पाठ से संबंधित तथ्यों की जानकारी मिल सकेगी । भाषा तत्वों का ज्ञान और अशुद्धि संशोधन किया जा सकता हैं अनुदेशनात्मक उद्देश्य की पूर्ति , शिक्षण प्रक्रिया का निर्धारण किया जा सका है मौन वचन, बोध परीक्षण और विचार-चिंतन मूल्यांकन तकनीक, अनौपचारिक रूप से व्याकरण अभ्यास पाठ को परीक्षा के लिए तैयार किया जा सकता है। परिवेश मूलक घटनाएँ और उसका प्रभाव को जान पाएगा।
1st sem	सूर्य कान्त त्रिपाठी निराला DSC-2	कविताएँ – जुही की कली – जागो फिर एक बार- बादल-राग-6- वर दे वीणा वादिनी वर दे !- तोड़ती पत्थर- गहन है यह अंधकारा – निराला के व्यक्तित्व और सृजनता पर विश्लेषण -	आधुनिक काल के छायावादी और प्रगतिवादी कवि के रूप में सूर्यकांत त्रिपाठी को जान पाएंगे। कविता के माध्यम से समय के संघर्ष और सामाजिक सरोकार को जान पाएंगे व्याख्या शिक्षण से विद्यार्थियों के स्किल को उन्नत किया जा सकता है। भाषा तत्वों का ज्ञान और अशुद्धि संशोधन किया जा सकता हैं अनुदेशनात्मक उद्देश्य की पूर्ति , शिक्षण प्रक्रिया का निर्धारण किया जा सका है मौन वचन, बोध परीक्षण और विचार-चिंतन मूल्यांकन तकनीक, अनौपचारिक रूप से व्याकरण अभ्यास पाठ को परीक्षा के लिए तैयार किया जा सकता है। मानवीय संवेदना और सामाजिक चिंतन
1st sem	हिन्दी भाषा और साहित्य (MIL) LCC-1	1-हिन्दी शब्द की व्युत्पत्ति 2-हिन्दी भाषा की विशेषताएं – क्रिया-विभक्ति-सर्वनाम – अव्यय संबंधी- 3-हिन्दी की वर्ण – व्यवस्था- 4- मुहावरे लोकोक्तियाँ- पत्र-लेखन – 5- कबीर 4 दोहें-6-तुलसीदास (4)- 7- रहीम (4)- बिहारी(4) 8-प्रसाद/हिमाद्रि – 9-निराला/ध्वनि- 10-नागार्जुन/अकाल- 11केदार नाथ सिंह – एक पारिवारिक- 12- प्रेमचंद / दो बैलो की कथा- 13- महादेवी/गिल्लू –15-रेणु/ ठेस – 16-अश्क/ अधिकार का रक्षक –	हिन्दी के उत्पत्ति की जानकारी मिल सकेगी व्याकरण से जुड़ी सारी नियमो की जानकारी मिल सकेगी । पत्र लेखन के मधायम से विद्यार्थी पत्र लिखने की कला से अवगत हो सकते हैं मध्यकालीन और आधुनिक कवियों के समय और समाज को जान पाएंगे । कथा विधा के द्वारा पाठ कला को भी सीख सकता है। नाटक के माध्यम से संवाद काला और मंचन कला को सीख सकता हैं। विषय वस्तु का पूर्व ज्ञान और पाठ से संबंद्रित तथ्यों की जानकारी मिल सकेगी । भाषा तत्वों का ज्ञान और अशुद्धि संशोधन किया जा सकता हैं अनुदेशनात्मक उद्देश्य की पूर्ति , शिक्षण प्रक्रिया का निर्धारण किया जा सकया है मौन वचन, बोध परीक्षण और विचार-चिंतन मूल्यांकन तकनीक, अनौपचारिक रूप से व्याकरण अभ्यास पाठ को परीक्षा के लिए तैयार किया जा सकता है। सृजऱ्ममकता और व्याकरणमूलक अभ्यस्तता सामाजिक और राजनीतिक चिंतनशीलता को समझ पाएगा।
2nd Sem	मध्यकालीन हिन्दी कविता DSC-3	1 कबीरदास (4 पद)- 2 सूरदास (4 पद)- 3-तुलसीदास (4 पद)- 4-मीराबाई (4 पद)- 5- रसखान (4 पद)- 6-बिहारी(4 पद)-	भक्तिकाल के कवियों के माध्यम से उस समय के परिवेश को जान पाएगा । रीतिकाल के कवियों के माध्यम से उस समय के परिवेश को जान पाएगा। विभिन्न काल के भाषा ज्ञान को जान पाएगा। विषय वस्तु का पूर्व ज्ञान और पाठ से संबंद्रित तथ्यों की जानकारी मिल सकेगी । भाषा तत्वों का ज्ञान और अशुद्धि संशोधन किया जा सकता हैं अनुदेशनात्मक उद्देश्य की पूर्ति ,

		7-भूषण(4 पद)- 8-घनानन्द (4 पद)-	शिक्षण प्रक्रिया का निर्धारण किया जा सका है मौन वचन, बोध परीक्षण और विचार-चिंतन मूल्यांकन तकनीक, अनौपचारिक रूप से व्याकरण अभ्यास पाठ को परीक्षा के लिए तैयार किया जा सकता है। भक्ति के स्वरूप और मानवता में भक्ति का प्रभाव को समझ पाएगा।
2nd Sem	हिन्दी व्याकरण और सम्प्रेषण (MIL) AECC -2	1-हिन्दी व्याकरण एवं रचना संज्ञा-सर्वनाम-विशेषण-क्रिया-अव्यय- उपसर्ग-प्रत्यय-समस- पर्यायवाची शब्द-विलोम शब्द- अनेक के लिए एक शब्द- शुध्दिकरण-मुहावरे – लोकोक्तियाँ- पल्लवन- संक्षेपण – 2-सम्प्रेषण की अवधारणा और महत्व- 3- सम्प्रेषण के प्रकार- 4- साक्षात्कार, भाषण –कला रचनात्मक लेखन –	हिन्दी के उत्पत्ति की जानकारी मिल सकेगी व्याकरण से जुड़ी सारी नियमो की जानकारी मिल सकेगी। पत्र लेखन के माध्यम से विद्यार्थी पत्र लिखने की कला से अवगत हो सकते हैं। पल्लवन और संक्षेपण के माध्यम से लेखन कला को उन्नत किया जा सकता है। सम्प्रेषण और भाषण कला के माध्यम से मौखिक कला को भी परिष्कार किया जा सकता है। विषय वस्तु का पूर्व ज्ञान और पाठ से संबंद्रित तथ्यों की जानकारी मिल सकेगी । भाषा तत्वों का ज्ञान और अशुद्धि संशोधन किया जा सकता हैं अनुदेशनात्मक उद्देश्य की पूर्ति , शिक्षण प्रक्रिया का निर्धारण किया जा सका है मौन वचन, बोध परीक्षण और विचार-चिंतन मूल्यांकन तकनीक, अनौपचारिक रूप से व्याकरण अभ्यास पाठ को परीक्षा के लिए तैयार किया जा सकता है।

Semester	Course Code and Name	Course Title	Course Specific Outcome
3rd Sem	आधुनिक हिन्दी कविता DSC-5	1-भारतेन्दु हरिश्चंद्र भारत :अतीत और वर्तमान- अंधेर नागरी का गीत – 2- मैथिली शरण गुप्त भारत भारती छंद-14,18- 3-जयशंकर प्रसाद-अरुण यह मधुमय- तुम कनक किरण – 4-सूर्यकांत त्रिपाठी निराला भगवान बुद्ध के प्रति- बादल राग- 5-अज्ञेयनन्दा देवी-6-एक सन्नाटा बुनता हूँ- 6-नागार्जुन चंदू मैंने सपना देखा- गुलाबी चूड़िया – 7- रघुवीर सहाय मेरे प्रतिनिधि-पीठ – 8-धूमिल गाँव-रोटी और संसद –	आधुनिक साहित्य के माध्यम से गुलाम भारत की तस्वीर देखी जा सकती है। छायावादी संस्कार से परिचय किया सकता है। प्रयोगवादी शील को जएन पाएंगे। प्रगतिवादी तथ्यों को साहित्य में योगदान को जान पाएंगे। आजादी के बाद उठे आम जन के मन की कुंठा को समझ पाएंगे। विषय वस्तु का पूर्व ज्ञान और पाठ से संबंद्रित तथ्यों की जानकारी मिल सकेगी। भाषा तत्वों का ज्ञान और अशुद्धि संशोधन किया जा सकता हैं अनुदेशनात्मक उद्देश्य की पूर्ति , शिक्षण प्रक्रिया का निर्धारण किया जा सका है मौन वचन, बोध परीक्षण और विचार-चिंतन मूल्यांकन तकनीक, अनौपचारिक रूप से व्याकरण अभ्यास पाठ को परीक्षा के लिए तैयार किया जा सकता है। आधुनिकता का आगमन और सामाजिक दायित्व का स्वरूप साथ ही साथ भारतीय सांस्कृतिक संरचना का विकास को समझ पाएगा।
3rd Sem	हिन्दी भाषा शिक्षण SEC -1	1-भाषा शिक्षण का संदर्भ 2 भाषा शिक्षण के आधारभूत संकल्पनाएँ – 3- भाषण शिक्षण की विधियाँ – भाषा कौशल- भाषा कौशल और शिक्षण – व्याकरण अनुवाद विधि- मौखिक वार्तालाप विधि संरचनात्मक विधि- द्विभाषिक शिक्षण विधि प्रत्यक्ष विधि – 4- हिन्दी शिक्षण मातृ भाषा शिक्षण- सजातीय और विजातीय भाषा में शिक्षण – विदेशी भाषा में हिन्दी शिक्षण –	भाषा शिक्षण के महत्व को जान पाएंगे। भाषा कौशल की कला को सीख पाएंगे। मातृ भाषा के महत्व को जान पाएंगे' । विदेश में हिन्दी भाषा और शिक्षण के महत्व पर जानकारी हासिल कर पाएंगे। विषय वस्तु का पूर्व ज्ञान और पाठ से संबंद्रित तथ्यों की जानकारी मिल सकेगी। भाषा तत्वों का ज्ञान और अशुद्धि संशोधन किया जा सकता हैं अनुदेशनात्मक उद्देश्य की पूर्ति , शिक्षण प्रक्रिया का निर्धारण किया जा सका है मौन वचन, बोध परीक्षण और विचार-चिंतन मूल्यांकन तकनीक, अनौपचारिक रूप से व्याकरण अभ्यास पाठ को परीक्षा के लिए तैयार किया जा सकता है।
3rd Sem	हिन्दी भाषा और सम्प्रेषण (MIL-II) LCC-1 ,p -2)	1-भाषा की परिभाषा, प्रकृति एवं विविध रूप – 2- हिन्दी भाषा की विशेषताएँ – क्रिया- विभक्ति –सर्वनाम-विशेषण- अव्यय संबंधी – 3- हिन्दी की वर्ण व्यवस्था-	हिन्दी के उत्पत्ति की जानकारी मिल सकेगी व्याकरण से जुड़ी सारी नियमो की जानकारी मिल सकेगी पत्र लेखन के माध्यम से विद्यार्थी पत्र लिखने की कला से अवगत हो सकते हैं। पल्लवन और संक्षेपण के माध्यम से लेखन कला को उन्नत किया जा

		4- स्वर के प्रकार –ह्रस्व , दीर्घ, संयुक्त 5- व्यंजन के प्रकार – स्पर्श, अंतस्थ, ऊष्ण, अल्पप्राण, महाप्राण, घोष, अघोष, संगम, बालाघाट,संधि- 6- हिन्दी वाक्य रचना- वाक्य और उपवाक्य –वाक्य भेद-वाक्य का रूपांतर 7- भावार्थ-व्याख्या-आशय लेखन- विविध प्रकार पत्र लेखन -	सकता है। सम्प्रेषण और भाषण कला के मध्यम से मौखिक कला को भी परिष्कार किया जा सकता है। विषय वस्तु का पूर्व ज्ञान और पाठ से संबंधित तथ्यों की जानकारी मिल सकेगी। भाषा तत्वों का ज्ञान और अशुद्धि संशोधन किया जा सकता हैं अनुदेशनात्मक उद्देश्य की पूर्ति , शिक्षण प्रक्रिया का निर्धारण किया जा सकया है मौन वचन, बोध परीक्षण और विचार-चिंतन मूल्यांकन तकनीक, अनौपचारिक रूप से व्याकरण अभ्यास पाठ को परीक्षा के लिए तैयार किया जा सकता है।
4th Sem	हिन्दी गद्य साहित्य DSC-7	1- उपन्यास सुनीता- जैनेन्द्र कुमार- 2- कहानी आहुति- प्रेमचंद – वापसी –उषा प्रियम्वदा – 3- निबंध लोभ और प्रीति-शुक्ल शिरीष के फूल – द्विवेदी 4- नाटक बकरी- सक्सेना -	उपन्यास कला के माध्यम से सुनीता की समीक्षा कर सकते हैं। कहानी कला के माध्यम से आहुति और वापसी कहानी की समीक्षा कर सकते हैं। निबंध कला के माध्यम से लोभ और प्रीति एवं शिरीष के फूल निबंध की समीक्षा कर सकते हैं। नाटक कला को समझ पाएंगे। विषय वस्तु का पूर्व ज्ञान और पाठ से संबंधित तथ्यों की जानकारी मिल सकेगी। भाषा तत्वों का ज्ञान और अशुद्धि संशोधन किया जा सकता हैं अनुदेशनात्मक उद्देश्य की पूर्ति , शिक्षण प्रक्रिया का निर्धारण किया जा सकया है मौन वचन, बोध परीक्षण और विचार-चिंतन मूल्यांकन तकनीक, अनौपचारिक रूप से व्याकरण अभ्यास पाठ को परीक्षा के लिए तैयार किया जा सकता है। मानवीय संवेदना को मनोविश्लेषल्त्मक अध्ययन को सृजनात्मकता के साथ जोड़ के देख सकता है।
4th Sem	रचनात्मक लेखन SEC-2	1-रचनात्मक लेखन : स्वरूप और सिद्धान्त – भाषा एवं विचार- विविध अभिव्यक्ति क्षेत्र – साहित्य, पत्रकारिता, विज्ञापन, विविध गद्य जन भाषा और लोकप्रिय संस्कृति लेखन के विविध रूप- नाट्य पाठ- 2- रचना कौशल विश्लेषण – शब्द शक्ति, प्रतीक , बिम्ब, अलंकार और वक्रताएं 3-विविध विधाओं का व्यावहारिक अध्ययन कविता –कथा साहित्य-नाट्यसाहित्य- विविध गद्य-बाल साहित्य- 4-सूचना तंत्र के लेखन- प्रिंट मीडिया -इलेक्ट्रोनिक मीडिया -	रचनात्मक लेखन की मुख्य बिन्दुओं को समझ सकते हैं। जन भाषा और लोकप्रिय संस्कृति के अंतर को समझ पाएंगे। शब्द शक्ति के महत्व को जन सकते हैं व्यावहारिक अध्ययन के मध्याम से कथा, काव्य, नाट्य विधा के विविध आयामों को जान पाएंगे। सूचना तंत्र के विविध उपकारणों को समझ पाएंगे । विषय वस्तु का पूर्व ज्ञान और पाठ से संबंद्रित तथ्यों की जानकारी मिल सकेगी । भाषा तत्वों का ज्ञान और अशुद्धि संशोधन किया जा सकता हैं अनुदेशनात्मक उद्देश्य की पूर्ति , शिक्षण प्रक्रिया का निर्धारण किया जा सकया है मौन वचन, बोध परीक्षण और विचार-चिंतन मूल्यांकन तकनीक, अनौपचारिक रूप से व्याकरण अभ्यास पाठ को परीक्षा के लिए तैयार किया जा सकता है।
5th Sem	कबीरदास DSE -1	कबीर ग्रंथावली - सखी 20 गुरुदेव के अंग (आरंभिक 4 सखी)- सूरा तान के अंग (आरंभिक 4 सखी)- परचा के अंग (आरंभिक 4 सखी)- मन के अंग (आरंभिक 4 सखी)- माया के अंग (आरंभिक 4 सखी)- एवं 10 पद (आरंभिक)	कबीर स्वरा रचित बीजक के द्वारा साखी सबद और रमैनी की जानकारी मिल सकती है। साखी मे साध्यम से गुरु के महत्व,मन की व्यथा और माया के बढ़ा को जान सकते हैं। पद पठन के मध्याम से कबीरदास के समय से परिचय हो सकते हैं । विषय वस्तु का पूर्व ज्ञान और पाठ से संबंद्रित तथ्यों की जानकारी मिल सकेगी। भाषा तत्वों का ज्ञान और अशुद्धि संशोधन किया जा सकता हैं अनुदेशनात्मक उद्देश्य की पूर्ति , शिक्षण प्रक्रिया का निर्धारण किया जा सकया है मौन वचन, बोध परीक्षण और विचार-चिंतन मूल्यांकन तकनीक, अनौपचारिक रूप से व्याकरण अभ्यास पाठ को परीक्षा के लिए तैयार किया जा सकता है। भक्ति के स्वरूप और मानवता में भक्ति का प्रभाव को समझ पाएगा
5th Sem	पाश्चात्य दर्शन चिंतन एवं हिन्दी साहित्य DSE -2	1-अभिव्यंजना वाद 2- स्वच्छंदतावाद 3-अस्तित्ववाद 4-मनोविश्लेषणवाद- 5-मार्क्सवाद – 6-आधुनिकतावाद – 7-कल्पना, बिम्ब , फैन्तसी 8- मिथक एवं प्रतीक	आधुनिकता के विविध आयाम को जान पाएंगे। साहित्य के विविध आयामों में मानवता की अनुभूति और अभिव्यक्ति कैसे हो सकता है ये जान पाएंगे। साहित्य में कल्पना, बिम्ब और प्रतीक की क्या भूमिका है ये जान पाएंगे। विषय वस्तु का पूर्व ज्ञान और पाठ से संबंधित तथ्यों की जानकारी मिल सकेगी । भाषा तत्वों का ज्ञान और अशुद्धि संशोधन किया जा सकता हैं अनुदेशनात्मक उद्देश्य की पूर्ति , शिक्षण प्रक्रिया का निर्धारण किया जा सकया है मौन वचन, बोध परीक्षण और विचार-चिंतन मूल्यांकन तकनीक, अनौपचारिक रूप से व्याकरण अभ्यास पाठ

Sem	विषय	पाठ्यक्रम	उद्देश्य
			को परीक्षा के लिए तैयार किया जा सकता है। भारतीय दर्शन में पाश्चात्य चिंतन का प्रभाव को जान पाएगा।
5th Sem	हिन्दी पत्रकारिता SEC-3	1-पत्रकारिता अर्थ अवधारणा और महत्व – 2-हिन्दी पत्रकारिता के विविध चरण-स्वतन्त्रता पूर्व , स्वतंरतरोत्तर युग , परिचय और प्रवृत्तिया 3- पत्रकारिता में अनुवाद की भूमिका 4-महत्वपूर्ण पत्र ,बनारस अखबार सरस्वती , कर्मवीर , हंस	साहित्य और मानव जीवन में पत्रकारिता का क्या महत्व है यह जा पाएंगे। पत्रकारिता के विकास क्रम को जान पाएंगे। पत्रकारिता में अनुवाद के महत्व को जान पाएंगे। विषय वस्तु का पूर्व ज्ञान और पाठ से संबंद्रित तथ्यों की जानकारी मिल सकेगी । भाषा तत्वों का ज्ञान और अशुद्धि संशोधन किया जा सकता हैं अनुदेशनात्मक उद्देश्य की पूर्ति , शिक्षण प्रक्रिया का निर्धारण किया जा सकया है मौन वचन, बोध परीक्षण और विचार-चिंतन मूल्यांकन तकनीक, अनौपचारिक रूप से व्याकरण अभ्यास पाठ को परीक्षा के लिए तैयार किया जा सकता है। पत्रकारिता का मानवजीवन में महत्व को समझ सकता है।
6th Sem	हिन्दी गद्य साहित्य DSE-3	हिन्दी रेखाचित्र 1-शिवपूजन सहाय- महाकवि जयशंकर प्रसाद – 2-बनारसीदास चतुर्वेदी बाईस वर्ष बाद- 3-हजारी प्रसाद द्विवेदी एक कुटा और एक मैना 4-महादेवी वर्मा गिल्लू	हिन्दी रेखा चित्र को परिभाषित कर सकते हैं। रेखाचित्र के माध्यम से उपरयुक्त रेखाचित्र को समीक्षा कर सकते हैं।रेखाचित्र में मानुषी, समय , जीव के भावनाओं को विभिन्न तरीके से समझ सकते हैं। विषय वस्तु का पूर्व ज्ञान और पाठ से संबंद्रित तथ्यों की जानकारी मिल सकेगी । भाषा तत्वों का ज्ञान और अशुद्धि संशोधन किया जा सकता हैं अनुदेशनात्मक उद्देश्य की पूर्ति , शिक्षण प्रक्रिया का निर्धारण किया जा सकया है मौन वचन, बोध परीक्षण और विचार-चिंतन मूल्यांकन तकनीक, अनौपचारिक रूप से व्याकरण अभ्यास पाठ को परीक्षा के लिए तैयार किया जा सकता है। सृजनशीलता और लेखन की महत्ता को समझ सकता है।
6th Sem	आधुनिक भारतीय साहित्य GE -2	1-स्वाधीनता संग्राम और भारतीय नवजागरण और प्रभाव 2- भारतीय साहित्य और राष्ट्रीयता – आनंद मठ- बंकिम चन्द्र सुब्रमण्यम भारती की कवितायें- यह है भारत देश हमारा वंदे मातरम, निर्भय आजादी का एक पहलू	आजादी की लड़ाई में हिन्दी नवजागरण की भूमिका को जान पाएंगे । भारतीय समाज और राष्ट्रीयता की भावना को समझ पाएंगे। समाज के उत्थान में आनंद मठ की भूमिका को समझ पाएंगे। विषय वस्तु का पूर्व ज्ञान और पाठ से संबंद्रित तथ्यों की जानकारी मिल सकेगी । भाषा तत्वों का ज्ञान और अशुद्धि संशोधन किया जा सकता हैं अनुदेशनात्मक उद्देश्य की पूर्ति , शिक्षण प्रक्रिया का निर्धारण किया जा सकया है मौन वचन, बोध परीक्षण और विचार-चिंतन मूल्यांकन तकनीक, अनौपचारिक रूप से व्याकरण अभ्यास पाठ को परीक्षा के लिए तैयार किया जा सकता है। स्वाधीनता आंदोलन में साहित्यकार और साहित्य की भूमिका को समझने में उपयोगी है।
6th Sem	संभाषण कला SEC -4	संभाषण का अर्थ –संभाषण के विभिन्न रूप – वार्तालाप व्याख्यान-वाद-विवाद,एकालाप अवाचिक-अभिव्यक्ति –जनसंबोधन – संभाषण कला के प्रमुख अपादान यथेष्ट भाषा ज्ञान मानक उच्चारण – सटीक प्रस्तुति अतराल ध्वनि –वेग-लहजा - संभाषण कला के विविध रूप – उद्रोषणा कला –आँखों देखा हाल – संचालन –वाचन कला –समाचार वाचन- मंचीय वाचन –वाद-विवाद प्रतियोगिता - समूह संवाद -	साहित्य और व्यावहारिक ज्ञान में संभाषण की भूमिका को समझ सकते हैं। संभाषण के विविध रूपों के महत्व को समझ सकेंगे। संभाषण कला के विविध उपकरणो को व्यावहारिक जीवन में उपयोग कर सकते हैं। मंच पर संभाषण की उपयोगिता को पेश कर सकते हैं। विषय वस्तु का पूर्व ज्ञान और पाठ से संबंद्रित तथ्यों की जानकारी मिल सकेगी । भाषा तत्वों का ज्ञान और अशुद्धि संशोधन किया जा सकता हैं अनुदेशनात्मक उद्देश्य की पूर्ति , शिक्षण प्रक्रिया का निर्धारण किया जा सकया है मौन वचन, बोध परीक्षण और विचार-चिंतन मूल्यांकन तकनीक, अनौपचारिक रूप से व्याकरण अभ्यास पाठ को परीक्षा के लिए तैयार किया जा सकता है। भाषिक चिंतन शीलता और संभाषण की अभिव्यक्ति और सम्प्रेषण में इसकी भूमिकातय कर पाएगा।

Course Specific Outcomes
B.A. History (Hons & Prog.) Courses under CBCS System

Sem.	Prog. Name	Course Code	Course Name	Course Title	Course Outcome
SEM-I	B A (Hons)	HISCC 1	Core Course	History of India-I (from earliest times to 300 C.E)	The student will learn reconstructing Ancient Indian history, pre-historic cultures, aspects of the Harappan civilization, the Aryan problem, technological and economic developments, social stratification, political relations, cultural achievements, religious and philosophical developments in the period.
	B A (Hons)	HISCC 2	Core Course	Social Formations and Cultural Patterns of the Ancient World	The student will know the evolution of humankind, Paleolithic and Mesolithic cultures, Bronze Age civilization in Mesopotamia, advent of Iron, development of the Greek civilization.
	B A (Prog)	HISDSC 1	Discipline Specific Core Course	History of India from earliest times to 300 C.E	The student will learn sources of ancient Indian history, aspects of polity, society, religion, arts and crafts, coins, commerce, towns during the period, the Harappan civilization, the Vedic period, the Mahajanapadas and the rise of Magadha, Jainism and Buddhism, the Mauryas, the Satavahanas, the Sakas, the Parthians, the Kushanas, the Sangam Age.
	B A (Hons)	HISGE 1	Generic Elective Course	History of India from Earliest times Up to 1193 A.D.	The students would be able to understand the various sources regarding the ancient and medieval period. They will understand and analyze the different phases and features of stone ages. The students can make understanding of the initial civilizations of India. They can be able to acknowledge the idea regarding the origin and expansion of territorial states. The students can understand about the origin of different secular religions. They became aware of various foreign invasions during the ancient period. The students would be able to understand regarding the foundations and evolution of various political structures in northern, central and southern India during ancient and early medieval India.
SEM - II	B A (Hons)	HISCC 3	Core Course	History of India-II (from 300 - 750 C.E)	The student will have the knowledge of changing political formations, economy, socio-cultural and religious life in the Mauryan, post-Mauryan and early Medieval India.

				Understand the economic development, urban growth and social institutions of North and Central India and the Deccan between C 300 BCE and 300 CE. Know about the political formations of the Mauryan Empire and the post-Mauryan polities like the Kushanas and the Satavahanas. Acquainted with the agrarian and commercial economy, social practices and polity of the Gupta and post-Gupta period. Understand the religious beliefs and practices with reference to various theistic cults and the origin of Tantricism. Know about the cultural development in India between C 300 BCE and C 750 CE with reference to literature and art and architecture.
B A (Hons)	HISCC 4	Core Course	Social Formations and Cultural Patterns of the Medieval World	Upon completion of this course student shall be able to • Identify the main historical developments in the Medieval World. • Analyse the rise of Islam and the move towards state formation in West Asia. • Explain the trends in the medieval economy
B A (Prog)	HISDSC 2	Discipline Specific Core Course	History of India from 300- 1206 C.E	The student will get to know the Guptas – administration, society, economy, religion, art, literature, science and technology during the period, the Pallavas, the Chalukyas and Vardhanas, Harshavardhan, the Palas, the Rashtakutas and the Pratiharas - administration, society, economy, religion, art, literature, science and technology during their times, emergence of the Rajput states, Arabs in Sindh, establishment of the Delhi Sultanate.
B A (Hons)	HISGE 2	Generic Elective Course	History of India from 1193 A.D. to 1950 AD	The students became aware of the origin and developments of Muslim dynasties in India. They also able to make them understand about the various developments and changes in different fields during this period. They can be able to acknowledge the idea about the 18th century India and the establishment of British Empire. The students can make them understand regarding the social and religious changes and developments during this period. They will understand and analyze about the origin and developments of Nationalism in India. They became aware of the Freedom movements and Independent of India.

					They explore the ideas about the different phases of Independent India and the framing of the Constituent Assembly.
SEM - III	B A (Hons)	HISCC 5	Core Course	History of India-III (c. 750-1206)	The student will know the sources of studying early Medieval India, debate on Indian feudalism, evolution of political structures, Arab and Turkish conquests, economic structures and social changes, religious and cultural developments, evolution of regional literature, art and architecture.
	B A (Hons)	HISCC 6	Core Course	Rise of the Modern West-I	The student will get to know issues related to transition from feudalism to capitalism, early colonial expansion, economic developments and crises, emergence of European state system and the facets of the Renaissance and the Reformation.
	B A (Hons)	HISCC 7	Core Course	History of India IV (c.1206-1550)	The student will learn the analysis of sources for studying the Delhi Sultanate, political structure, society and economy of the Delhi Sultanate, regional political structures, religion and cultural patterns in Medieval India.
	B A (Hons)	HISSEC 1	Skill Enhancement Course	Understanding Heritage OR Archives and museums	Students to understand the different facets of heritage and their significance. They also understand about the legal and institutional frameworks for heritage protection in India as the challenges facing it. They can examine towards the implications of the rapidly changing interface between heritage and history. They will gather knowledge about the heritage through project and visit to Museum and Archives. OR The student will be introduced in the course to the archives and museums that house and maintain documentary, visual and material remains of the past. The student will learn to undertake collection, documentation and exhibition of such materials
	B A (Prog)	HISDSC 3	Discipline Specific Core Course	History of India from 1206-1707 C.E	The student will learn the aspects of polity, economy, society, religion, culture during the Delhi Sultanate, provincial kingdoms of Mewar, Bengal, Vijaynagar and Bahamani, polity, economy, society, religion, culture during the Mughal emperors from Akbar to Aurangzeb, emergence of the Maratha power.
	B A (Hons)	HISGE 3	Generic Elective Course	History of India from Earliest times Up to 1193 A.D.	The students would be able to understand the various sources regarding the ancient and medieval period. They will understand and analyze the different phases and features of stone ages. The students can make understanding of the initial civilizations of India. They can be able to acknowledge the idea regarding the origin and expansion of territorial states.

					The students can understand about the origin of different secular religions.
					They became aware of various foreign invasions during the ancient period.
					The students would be able to understand regarding the foundations and evolution of various political structures in northern, central and southern India during ancient and early medieval India.
	B A (Prog)	HISSEC P 1	Skill Enhancement Course	Understanding Heritage OR Archives and museums	Students to understand the different facets of heritage and their significance. They also understand about the legal and institutional frameworks for heritage protection in India as the challenges facing it. They can examine towards the implications of the rapidly changing interface between heritage and history. They will gather knowledge about the heritage through project and visit to Museum and Archives. OR The student will be introduced in the course to the archives and museums that house and maintain documentary, visual and material remains of the past. The student will learn to undertake collection, documentation and exhibition of such materials
SEM-IV	B A (Hons)	HISCC 8	Core Course	Rise of the Modern West – II	This course intends to introduce the students to: - Europe's exploration and early colonization. - Understand forces of change unleashed by Renaissance, Reformation and the Counter-reformation. - The shift from an agrarian to industrial economy - Understand the transition of the western world from the medieval to the modern times. - Gain insight into western religious upheavals and their impact. - Analyse the leading themes in western history and identify patterns of continuity and change.
	B A (Hons)	HISCC 9	Core Course	History of India-V (c. 1550-1605)	Acquire knowledge towards the Turkey's invasion & Struggle for Empire in North-Western India and foundation of the Mughal Rule in India. Students will learn about the Mughal Indian society, economy and culture after consolidation of the Mughal rule India.
	B A (Hons)	HISCC 10	Core Course	History of India-VI (c. 1605-1750)	Learn about how the Regional Powers had been raised in different parts of India after downfall of the Mughal Empire of Delhi. They can gather knowledge to the downfall of the Mughal Empire only lack of unity among the Mughal courtiers and resulted to raise provincial kingdoms in Bengal, Hyderabad, Mysore and Maratha in Western India.

B A (Hons)	HISSEC 2	Skill Enhance ment Course	Art Appreciation: An Introduction to Indian Art OR Understanding Popular Culture	The course will introduce the student to the evolution, diversity and aesthetic richness of Indian art from ancient to contemporary times through visualized projects. Develop an understanding of prehistoric and proto-historic art like rock art and Harappan art. Acquainted with the traditions of Indian art including painting and architecture between c. 600 BCE and 600 CE. Know about Indian art like temple architecture, manuscripts and mural painting traditions etc. between c. 600 CE and 1200 CE. Know about Sultanate and Mughal architecture and painting including Rajasthani and Pahari tradition. Learn modern and contemporary Indian art and architecture like the colonial period art movements, Bengal school of arts etc. OR The course will introduce the student to various expressions and changing nature of popular culture, regional variations, impact of globalization on popular culture.
B A (Hons)	HISGE 4	Generic Elective Course	History of India from 1193 A.D. to 1950 AD	The students became aware of the origin and developments of Muslim dynasties in India. They also able to make them understand about the various developments and changes in different fields during this period. They can be able to acknowledge the idea about the 18th century India and the establishment of British Empire. The students can make them understand regarding the social and religious changes and developments during this period. They will understand and analyze about the origin and developments of Nationalism in India. They became aware of the Freedom movements and Independent of India. They explore the ideas about the different phases of Independent India and the framing of the Constituent Assembly.
B A (Prog)	HISDSC 4	Disciplin e Specific Core Course	History of India from 1707-1950 C.E	The student will get to know the aspects of the 18th century, establishment of the British colonial power, colonial economy, socio-religious movements, resistance against the colonial rule, growth of nationalism and communalism, freedom and partition of India, establishment of the Indian Republic.
B A (Prog)	HISSEC P 2	Skill Enhance	Art Appreciation:	The course will introduce the student to the evolution, diversity and aesthetic richness of Indian

		ment Course	An Introduction to Indian Art OR Understanding Popular Culture	art from ancient to contemporary times through visualized projects. Develop an understanding of prehistoric and proto-historic art like rock art and Harappan art. Acquainted with the traditions of Indian art including painting and architecture between c. 600 BCE and 600 CE. Know about Indian art like temple architecture, manuscripts and mural painting traditions etc. between c. 600 CE and 1200 CE. Know about Sultanate and Mughal architecture and painting including Rajasthani and Pahari tradition. Learn modern and contemporary Indian art and architecture like the colonial period art movements, Bengal school of arts etc. OR The course will introduce the student to various expressions and changing nature of popular culture, regional variations, impact of globalization on popular culture.
SEM - V	B A (Hons)	HISCC 11	Core Course	History of Modern Europe- I (c. 1780-1939)	On completing this course, the students will be able to: • Identify what is meant by the French Revolution. • Trace short-term and long-term repercussions of revolutionary regimes and Empire-building by France. • Explain features of revolutionary actions and reactionary politics of threatened monarchical regimes. • Delineate diverse patterns of industrialization in Europe and assess the social impact of capitalist industrialisation. • Analyse patterns of resistance to industrial capital and the emerging political assertions by new social classes.
	B A (Hons)	HISCC 12	Core Course	History of India-VII (c. 1750-1857)	The student will learn the process of the establishment of the British colonial rule, changes in the Indian economy and society under the colonial rule, renaissance and reformation, various popular resistance movements against the British rule.
	B A (Hons)	HISDSE 1	Discipline Specific Elective Course	History of Modern East Asia-I (c.1840-1949)	The student will learn the pre-colonial Chinese society and economy, commercial relations with the West, the unequal treaties, financial imperialism, rebellion, restoration and nationalism, the Revolution of 1911, the Kuomintang nationalism in China, the May 4th Movement, the Communist Party, the KMT-CCP conflict, the communist victory in China.
	B A (Hons)	HISDSE 2	Discipline Specific Elective Course	History of Modern East Asia-II (c. 1868-1945)	The course will enable students to: • Acquire knowledge of the opening and consequent transformation of Japan. Understand the emergence of nationalism and militarism.

				• Appreciate the rapid transformation of Japan's economy and society. • Understand the consequences of Ultra-nationalism and militarism. • Evaluate the significance of American Occupation of Japan and its legacy.
B A (Prog)	HISDSE P 1	Discipline Specific Elective Course	Some aspects of European History from 1780-1945 C.E	On completing this course, the students will be able to: 1. Identify what is meant by the French Revolution. 2. Trace short-term and long-term repercussions of revolutionary regimes and Empire-buildng by France. 3. Explain features of revolutionary actions and reactionary politics of threatened monarchical regimes. 4. Delineate diverse patterns of industrialization in Europe and assess the social impact of capitalist industrialisation. 5. Analyse patterns of resistance to industrial capital and the emerging political assertions by new social classes.
B A (Prog)	HISPGE 1	Generic Elective Course	History of India from Earliest times Up to 1193 A.D.	The students would be able to understand the various sources regarding the ancient and medieval period. They will understand and analyze the different phases and features of stone ages. The students can make understanding of the initial civilizations of India. They can be able to acknowledge the idea regarding the origin and expansion of territorial states. The students can understand about the origin of different secular religions. They became aware of various foreign invasions during the ancient period. The students would be able to understand regarding the foundations and evolution of various political structures in northern, central and southern India during ancient and early medieval India.
B A (Prog)	HISSEC P 3	Skill Enhancement Course	Understanding Heritage OR Archives and museums	Students to understand the different facets of heritage and their significance. They also understand about the legal and institutional frameworks for heritage protection in India as the challenges facing it. They can examine towards the implications of the rapidly changing interface between heritage and history. They will gather knowledge about the heritage through project and visit to Museum and Archives. OR

					The student will be introduced in the course to the archives and museums that house and maintain documentary, visual and material remains of the past. The student will learn to undertake collection, documentation and exhibition of such materials.
SEM-VI	B A (Hons)	HISCC 13	Core Course	History of India-VIII (c. 1857-1950)	The student will learn the political, socio-cultural developments in the aftermath of 1857, early phase of Indian nationalism, the Gandhian era, emergence of various sections of population in political movements, Communal politics, Partition of India and post partition developments.
	B A (Hons)	HISCC 14	Core Course	History of Modern Europe- II (1780-1939)	On completion of this course, students will be able to: • Trace varieties of nationalisms and the processes by which new nation-states were carved out. • Discuss the peculiarities of the disintegration of large empires and remaking of Europe's map. • Deliberate on the meaning of imperialism and the manifestations of imperialist rivalry and expansion in the 19th and early 20th century. • Analyse the conflict between radical and conservative forces, and the gradual consolidation of ultra-nationalist and authoritarian regimes in Europe. • Contexualise major currents in the intellectual sphere.
	B A (Hons)	HISDSE 3	Discipline Specific Elective Course	History of North Bengal – I	1. The students will be able to understand the Socio political history of Bengal. 2. The students will be able to explore the cultural development of Bengal.
	B A (Hons)	HISDSE 4	Discipline Specific Elective Course	History of North Bengal - II	1. Through this paper the students will be able to understand the history of the emergence of modern North Bengal. 2. The students will be able to learn about the socio economic impact of the British Expansion in the North Bengal. 3. The course will greatly help the students to understand and know about their own regional history for the first time.
	B A (Prog)	HISDSE P 2	Discipline Specific Elective Course	Some aspects of Society and Economy of Modern Europe from 15th to 18th century OR History of North Bengal- II	The student will learn the historiographical trends for studying the period, the Renaissance and the Reformation, the colonization process, the economic developments, the transition from Feudalism to Capitalism. OR 1. Through this paper the students will be able to understand the history of the emergence of modern North Bengal. 2. The students will be able to learn about the socio economic impact of the British Expansion in the North Bengal. 3. The course will greatly help the students to understand and know about their own regional history for the first time.

B A (Prog)	HISPGE 2	Generic Elective Course	History of India from 1193 A.D. to 1950 AD	1. The students became aware of the origin and developments of Muslim dynasties in India. 2. They also able to make them understand about the various developments and changes in different fields during this period. 3. They can be able to acknowledge the idea about the 18th century India and the establishment of British Empire. 4. The students can make them understand regarding the social and religious changes and developments during this period. 5. They will understand and analyze about the origin and developments of Nationalism in India. 6. They became aware of the Freedom movements and Independent of India. 7. They explore the ideas about the different phases of Independent India and the framing of the Constituent Assembly.
B A (Prog)	HISSEC P 4	Skill Enhance ment Course	Art Appreciation: An Introduction to Indian Art OR Understanding Popular Culture	The course will introduce the student to the evolution, diversity and aesthetic richness of Indian art from ancient to contemporary times through visualized projects. OR The course will introduce the student to various expressions and changing nature of popular culture, regional variations, impact of globalization on popular culture.

Course Specific Outcomes
B.A Nepali Programme and Honours Course under CBCS System

NEPALI HONOURS
1ST SEMESTER
CC – 1: नेपाली साहित्यको इतिहास

Sl. No.	Course Objective	Course Specific Outcome
१	नेपाली साहित्यको पृष्ठभूमि निर्माणका आधारगत स्वरूप केलाउँदै यसका विकासमा देखा परेका सामाजिक, आर्थिक, धार्मिक, राजनैतिक, लोक साहित्य तथा अन्य बाह्य कारणहरूबारे विश्लेषणात्मक विवेचना गर्नु।	१. विद्यार्थीहरूलाई नेपाली साहित्यको पृष्ठभूमि र त्यसका आधारहरूबारे सही जानकारी प्राप्त हुँदछ। २. नेपाली कविताको प्रारम्भ र यसको चरणगत विकासको ज्ञान हासिल गर्न सक्ने छन्।
२	नेपाली कविता लेखन परम्पराको उदय र चरणगत विकास प्रक्रियाको चर्चा गर्दै प्रत्येक चरणका विशेषता र प्राप्तिको निक्यौंल तथा समकालीन स्वरूप र अभिलक्षणहरूका चर्चा गरेर मूल्य निर्धारण गर्नु।	३. नेपाली कथा अनि उपन्यासको आरम्भ र विकास अनि समकालीन नेपाली आख्यानको वर्तमान स्थितिबारे विद्यार्थीहरूलाई जानकारी प्राप्त हुँदछ। ४. विद्यार्थीवर्ग नेपाली नाटको पृष्ठभूमि, जन्म र विकासका इतिहासबारे अवगत हुन्छन्। यसका साथै उनीहरूलाई समकालीन नाटकमा देखिएका विविध प्रयोगबारे ज्ञान हासिल हुँदछ।
३	नेपाली कथा र उपन्यास (आख्यान)का उद्भव, विकास र चरणगत वैशिष्ट्यहरूका चर्चा गर्दै समकालीन नेपाली आख्यानका विवेचनात्मक अध्ययन गर्नु।	५. विद्यार्थीवर्ग नेपाली समालोचनाको पृष्ठभूमि, विकास अनि आधुनिक समालोचनामा देखा परेका विभिन्न प्रवृत्तिहरूबारे ज्ञान हासिल गर्नेछन्।
४	नेपाली नाटकको पृष्ठभूमि, जन्म र विकासको इतिहास केलाउँदै यसका चरणगत विशेषताहरूका चर्चा तथा समकालीन नेपाली नाटकमा देखा परेका प्रवृत्ति र प्रविधिहरूका लेखाजोखा गर्नु।	६. नेपाली साहित्यिक पत्रकारिताको विकासक्रम अनि नेपाल भारतबाट प्रकाशित विभिन्न पत्रिकाहरूले साहित्यको विकासमा पुऱ्याएको योगदानबारे जानकारी हासिल गर्नेछन्।
५	नेपाली समालोचनाको ऐतिहासिक सन्दर्भअन्तर्गत पृष्ठभूमि काल, आधार काल, विकास काल र विस्तार कालका वैशिष्ट्य र प्राप्तिहरूको चर्चा गर्दै समकालीन समालोचनामा देखा परेका नयाँ मूल्य, मान्यतार प्रवृत्तिहरूको विश्लेषण गर्नु।	७. भारतामा स्थापित विभिन्न साहित्यक संस्थाहरूले समाज अनि साहित्यका विकासमा पुऱ्याएका योगदानबारे विद्यार्थीहरूलाई उचित जानकारी हासिल हुने छ।
६	नेपाली पत्र पत्रिकाको ऐतिहासिक परम्परा प्रस्तुत गर्दै नेपाली भाषा साहित्य विकासका निम्ति पत्र पत्रिकाहरूले पुऱ्याएको योगदानबारे विश्लेषणात्मक अध्ययन गर्नु।	
७	नेपाली सङ्घ संस्थाको इतिहासको रेखाङ्कन गर्दै सामाजिक, सांस्कृतिक, साहित्यिक र भाषिक श्रीवृद्धिका सन्दर्भमा सङ्घ संस्थाका क्रियाकलाप, विशेषता र भूमिकाको चर्चा गर्नु।	

NEPALI HONOURS
1ST SEMESTER
CC – 2: नेपाली कविता

Sl. No.	Course Objective	Course Specific Outcome
१	कविताका तत्त्वको परिचयात्मक अध्ययन प्रस्तुत गर्दै नेपाली कविताका विविध रूप र प्रवृत्तिहरूको विश्लेषणात्मक चर्चा गर्नु।	१. विद्यार्थीहरूलाई कविताका तत्त्व, नेपाली कविताका विविध रूप र प्रवृत्तिहरूबारे ज्ञान प्राप्त हुन्छ।
२	सुवानन्ददासको व्यक्तित्व, कृतित्व र काव्यिक वैशिष्टका विवेचना गर्दै **पृथ्वीनारायण** कविताको संरचनात्मक आयाम, भाव वा विचार तत्त्व, अलङ्कार प्रयोग, छन्द योजना, शीर्षकको सार्थकता र भाषा शैलीका सन्दर्भमा विश्लेषण गर्नु।	२. पाठ्यक्रममा आधारित कविहरूले नेपाली कविताका विकासमा पुऱ्याएको योगदान अनि उनीहरूका सन्दर्भित कविताको भाव अनि शिल्प शैलीबारे विद्यार्थीवर्गलाई सही जानकारी प्राप्त हुने छ।
३	भानुभक्त आचार्यको व्यक्तित्व, कृतित्व सौन्दर्य, शक्ति, काव्यगत प्रवृत्तिहरूको अनुशीलन गरेर **रामायण सुन्दरकाण्ड**का विविध पक्षबाट चर्चा परिचर्चा गर्नु।	

४	ज्ञानदिलदासका कवितात्मक प्रवृत्तिहरूको चर्चा गर्दै **टुङ्ना भजन**को विश्लेषणात्मक मूल्याङ्कन प्रस्तुत गर्नु।	
५	आधुनिक नेपाली कवितामा लेखनाथ पौड्यालको योगदान, स्थान तथा कवितात्मक वैशिष्ट्यहरूको चर्चा गर्दै **पिञ्जराको सुगा** कविताको विश्लेषण र मूल्याङ्कन गर्नु।	
६	लक्ष्मीप्रसाद देवकोटाका कविताका शक्ति र प्रवृत्तिहरूको विवेचना गर्दै भाव र शैलीका सन्दर्भमा **पागल** कविताको विश्लेषण गर्नु।	
७	अगमसिंह गिरीका कविताहरूको चर्चा गर्दै **मोहब्बत गल्ती** कविताको विश्लेषण गर्नु।	
८	गोपालप्रसाद रिमालको काव्यकारिताको विवेचना गर्दै **आमाको सपना** कविताको विश्लेषणात्मक मूल्याङ्कन गर्नु।	
९	कवि वीरेन्द्रका काव्यगत विशेषताहरूको चर्चा गरेर **बिहान** कविताको विवेचनात्मक अध्ययन प्रस्तुत गर्नु।	
१०	कवि दान खालिङका कवितात्मक प्रवृत्तिहरूको चर्चा गर्दै **असीमको सीमा** कविताको विश्लेषण गर्नु।	
११	कवि मोहन कोइरालाको परिचय र काव्य प्रवृत्तिको अध्ययन गर्दै **सारङ्गी** कविताको विश्लेषण गर्नु।	
१२	कवि बैरागी काइँलाको कवितात्मक वैशिष्ट्यहरूको चर्चा गर्दै **२७ मई १९६४** शीर्षक कविताको विश्लेषणात्मक मूल्याङ्कन गर्नु।	
१३	कवि ईश्वरबल्लभको कवितात्मक चर्चा गर्दै **एकलो वृक्षलाई** कविताको विश्लेषण गर्नु।	
१४	कवि हरिभक्त कटुवालको परिचय र काव्य प्रवृत्तिहरूबारे विवेचना गर्दै **भित्री मान्छे बोल्न खोज्छ** कविताको विश्लेषण गर्नु।	
१५	कवि भूपी शेरचनका कविताहरूको चर्चा गर्दै **नयाँ वर्ष** कविताको विश्लेषणात्मक चर्चा गर्नु।	

NEPALI HONOURS
2ND SEMESTER
CC – 3: साहित्यका तत्त्वहरू

Sl. No.	Course Objective	Course Specific Outcome
१	साहित्यको अर्थ र परिभाषाको चर्चा गरेर साहित्यको प्रयोजन र हेतुबारे अवगत गराउनु।	१. साहित्यको अर्थ बुझेपछि विद्यार्थीहरू विभिन्न विद्वान्हरूद्वारा प्रतिपादित साहित्यका परिभाषाहरूबारे अवगत हुन्छन्। कुन कारण र कुन आवश्यकताले साहित्य लेखिन्छ वा पढिन्छ भन्ने सन्दर्भमा विद्वान्हरूद्वारा प्रतिपादित मतबारे पनि उनीहरूलाई जानकारी प्राप्त हुँदछ।
२	साहित्यका प्रमुख विधाहरूको परिचयात्मक अध्ययन प्रस्तुत गर्नु।	२. साहित्यका कति विधा छन् र ती विधाहरू कुन कारणले एकअर्काबाट पृथक हुन्छन् भन्ने सैद्धान्तिक कुराबारे विद्यार्थीहरू अवगत हुन्छन्।
३	छन्दको अर्थ र परिभाषासहित यसका प्रमुख प्रकारहरूका सोदाहरण अध्ययन गराउनु।	३. छन्द अनि अलङ्कारको अर्थ र परिभाषा अनि प्रकारहरूबारे विद्यार्थीहरूलाई जानकारी प्राप्त हुँदछ। उनीहरू छन्द निर्धारणको उपाय सिक्छन्।
४	अलङ्कारको अर्थ र परिभाषा सविस्तार प्रस्तुत गर्दै यसका प्रमुख प्रकारहरूको सोदाहरण व्याख्या गर्नु।	४. विद्यार्थीहरूलाई शब्द शक्तिका अर्थ, परिभाषा सिक्छन् साथै शब्द शक्तिका प्रकारहरूको सोदाहरण जानकारी प्राप्त गर्दछन्।
५	शब्द शक्तिका अर्थ, परिभाषा र प्रकारहरूको विवेचनात्मक अध्ययन प्रस्तुत गर्नु।	
६	रसको अर्थ र परिभाषाबारे विविध विद्वान्हरूका मत-मतान्तरहरूको चर्चा गरेर यसका प्रकारहरूको सोदाहरण चर्चा गर्नु।	५. विद्यार्थीहरू रसको अर्थ, परिभाषा र प्रकारबारे अवगत
७	काव्य गुण र काव्य दोषका परिचय, लक्षण र स्वरूपबारे चर्चा गर्दै काव्य गुणका प्रकार तथा काव्य दोषका वर्गिकरणबारे	

		हुन्छन् र साहित्यमा रसको के कति महत्त्व स्विकारिएको छ भन्ने कुरो जान्दछन्।
८	विम्ब, प्रतीक, मिथक, संरचना र बुनोटको परिचयात्मक अध्ययन प्रस्तुत गर्नु।	६. काव्य गुण अनि काव्य दोष भनेको के हो? यसका के कति प्रकार र स्वरूप हुन्छ भन्ने कुराको जानकारी विद्यार्थीहरूले सोदाहरण प्राप्त गर्दछन्।
		७. विद्यार्थीहरूलाई विम्ब, प्रतीक, मिथक, संरचना र बुनोटको परिचयात्मक जानकारी प्राप्त हुन्छ।

NEPALI HONOURS
2ND SEMESTER
CC – 4 : प्रमुख साहित्यिक सिद्धान्त र वादहरू

Sl. No.	Course Objective	Course Specific Outcome
१	पूर्वीय साहित्य शास्त्रमा सर्वाधिक महत्त्वका साथ चर्चित एउटा साहित्यिक वाद रसवादलाई विविध कोण प्रतिकोणबाट विश्लेषण गरेर रससूत्रको व्याख्यासम्बन्धी विद्वान्हरूका मत-मतान्तरहरूको समीक्षा गर्नु।	१. साहित्यमा रसको महत्त्व र उपयोगिताबारे विद्यार्थीहरू जानकारी प्राप्त गर्दछन्। तिनीहरूलाई रसका प्रकारबारे पनि ज्ञान प्राप्त हुन्छ।
२	अलङ्कारवादका अर्थ, परिभाषा, प्रकार, यसका ऐतिहासिक परम्परा एवम् काव्यमा अलङ्कारको महत्त्व र प्रयोजनबारे विश्लेषणात्मक चर्चा गर्नु।	२. अलङ्कार अनि अलङ्कारवादका अर्थ, परिभाषा र प्रकार अनि साहित्यमा अलङ्कारवादको ऐतिहासिक परम्परा र महत्त्वबारे उचित ज्ञान हासिल गर्छन्।
३	पश्चिमी समालोचना सिद्धान्त शास्त्रीयवादका अर्थ, परिभाषा, उद्भव, विकास परम्परा र विशेषताहरूको सारगर्भित विश्लेषण गर्नु।	३. साहित्यमा चलेका शास्त्रीयवाद, स्वच्छन्दतावाद, यथार्थवाद, अतियथार्थवाद, प्रगतिवाद, अस्तित्ववाद, नारीवाद, मनोविज्ञानपरक समालोचना आदि जस्ता पश्चिमेली साहित्यिक सिद्धान्तका उद्भव, विकास, ऐतिहासिक परम्परा, विशेषता र महत्त्वबारे विद्यार्थीवर्गले आवश्यक ज्ञान हासिल गर्नेछन्।
४	पश्चिमी समालोचना सिद्धान्त स्वच्छन्दतावादका अर्थ, परिभाषा, उद्भव, विकास परम्परा र विशेषताहरूको सारगर्भित विश्लेषण गर्नु।	
५	यथार्थवादको सैद्धान्तिक विवेचना गर्दै यसका उद्भव, विकास र प्रवृत्तिहरूको व्याख्या गर्नु।	
६	अतियथार्थवादको सैद्धान्तिक विवेचना गर्दै यसका उद्भव, विकास र प्रवृत्तिहरूको व्याख्या गर्नु।	
७	प्रगतिवादको सैद्धान्तिक विवेचना गर्दै यसका उद्भव, विकास र प्रवृत्तिहरूको व्याख्या गर्नु।	
८	अस्तित्ववादको सैद्धान्तिक विवेचना गर्दै यसका उद्भव, विकास र प्रवृत्तिहरूको व्याख्या गर्नु।	
९	नारीवादको सैद्धान्तिक विवेचना गर्दै यसका उद्भव, विकास र प्रवृत्तिहरूको व्याख्या गर्नु।	
१०	मनोविज्ञानपरक समालोचना सिद्धान्तको व्याख्यात्मक मूल्याङ्कन गर्नु।	

NEPALI HONOURS
3RD SEMESTER
CC – 5: सामान्य भाषा विज्ञान

Sl. No.	Course Objective	Course Specific Outcome
१	भाषाको अर्थ स्पष्ट पारेर यसका प्रकृति र विशेषताहरूको विश्लेषण गर्नु।	१. भाषाका अर्थ, परिभाषा, प्रकृति र विशेषताबारे विद्यार्थीहरूलाई सही ज्ञान प्राप्त हुन्छ।
२	संसारका भाषाहरूको वर्गिकरणका आधारहरूको विश्लेषणात्मक गर्नु।	२. अध्ययन सुविधाका निम्ति विद्वान्हरूले भाषालाई कुन कुन आधारमा कसरी वर्गिकरण गरेका छन् भन्ने कुराको जानकारी हासिल गर्नेछन्।
३	पारिवारिक र आकृतिमूलक वर्गिकरणका विविध पक्ष, आधार र विशेषताहरूको विश्लेषण गर्नु।	३. पारिवारिक र आकृतिमूलक वर्गिकरण भनेको के हो? यी दुई वर्गिकरणका आधारहरू के के हुन्? यी दुई परिवारअन्तर्गत पर्ने भाषा र तिनका विशेषताबारे विद्यार्थीलाई जानकारी प्राप्त हुँदछ।
४	ध्वनि विज्ञानको परिचय प्रस्तुत गरेर भाषिक ध्वनि, ध्वनि उच्चारणका अवयवहरू तथा ध्वनि वर्गिकरणका आधारहरूको विश्लेषणात्मक चर्चा गर्नु।	४. भाषिक ध्वनि भनेको के हो? ध्वनिका अवयवहरू के के हुन् अनि यसका वर्गिकरणका आधारहरू के के हुन् भन्ने कुराको ज्ञान हासिल गर्छन्।
५	वर्ण र प्रकारहरूको विवेचनात्मक अध्ययन गर्नु।	
६	वाक्य विज्ञानको परिचय प्रस्तुत गरेर पदबन्ध र उपवाक्यको	

	विश्लेषण गर्नु।	५.	वर्णका अर्थ, परिभाषा र प्रकारहरूबारे जानकारी लिएपछि विद्यार्थिहरू नेपाली वर्णबारे पनि उचित जानकारी हासिल गर्नेछन्।
७	वाक्यका परिभाषाहरूका विशेष चर्चा गर्दै यसका प्रकारहरूबारे विवेचना गर्नु।		
८	अर्थ विज्ञानको अध्ययनअन्तर्गत अर्थको परिचय, शब्द र अर्थको सम्बन्ध तथा अर्थ परिवर्तनका कारण र दिशाबारे विश्लेषणात्मक अध्ययन गर्नु	६.	वाक्यका अर्थ, परिभाषा र प्रकारसहित वाक्य विज्ञान र यसअन्तर्गत आउने पदबन्ध र उपवाक्यको परिचय प्राप्त गर्नेछन्।
९	रूप विज्ञानको परिचयात्मक अध्ययन गर्नु।	७.	अर्थको अर्थ, परिभाषा, शब्द र अर्थको सम्बन्ध,अर्थ प्रतीतिका आधारहरूलगायत अर्थ विस्तार, अर्थ सङ्कोच अनि अर्थान्तरबारे विद्यार्थीहरूलाई उचित ज्ञान हासिल हुने छ।
१०		८.	भाषा विज्ञानअन्तर्गत रूप विज्ञान भनेको के हो भन्ने कुराको सही जानकारी हासिल गर्नें छन्।

NEPALI HONOURS
3RD SEMESTER
CC – 6: नेपाली कथा

Sl. No.	Course Objective	Course Specific Outcome
१	आधुनिक नेपाली कथाका प्रमुख प्रविधिहरूको अध्ययन गर्नु।	१. आधुनिक नेपाली साहित्यमा कस कसले कुन कुन प्रवृत्तिका कथाहरू लेखेका छन् भन्ने कुरा सिक्ने छन्।
२	गुरुप्रसाद मैनालीको कथाकार व्यक्तित्व पहिचान गर्दै **परालको आगो** कथाको विश्लेषण गर्नु।	२. आधुनिक नेपाली कथाकारहरू क्रमशः गुरुप्रसाद मैनाली, पुष्कर समशेर, रूपनारायण सिंह, शिवकुमार राई, भवानी भिक्षु, हायमनदास राई 'किरात', इन्द्रबहादुर राई, सानु लामा, पूर्ण राई, लक्खीदेवी सुन्दास, देवकुमारी थापा, मटिल्डा राई, सम्पूर्णा राईको नेपाली कथा साहित्यलाई योगदान र पाठ्यक्रममा आधारित यिनीहरूका कथाका शैली, भावार्थ, उद्देश्यबारे विद्यार्थीहरूलाई री प्राप्त हुँदछ।
३	पुष्कर समशेरका कथाका विशेषताहरूको चर्चा गर्दै **परिबन्द** कथाको विश्लेषण गर्नु।	
४	रूपनारायण सिंहका कथाहरूको चर्चा गर्दै उनको **धनमतिको सिनेमा स्वप्न** कथाको विश्लेषण गर्नु।	
५	शिवकुमार राईका कथाहरूको चर्चा गर्दै उनको **माछाको मोल** कथाको विश्लेषण गर्नु।	
६	भवानी भिक्षुका कथा प्रवृत्तिको चर्चा गरेर **मैयाँ साहेब** कथाको विविध सन्दर्भहरूको चर्चा गर्नु।	
७	हायमनदास राई 'किरात' राईका कथाहरूको प्रवृत्तिबारे चर्चा गरेर उनको **चौकीदार** कथाको विश्लेषण गर्नु।	
८	नेपाली कथा साहित्यमा इन्द्रबहादुर राईको योगदान र कथा वैशिष्ट्यको विश्लेषण गरेर **रातभरि हुरी चल्यो** कथाको विश्लेषण गर्नु।	
९	नेपाली कथा साहित्यमा कथाकार सानु लामाको कथागत वैशिष्ट्यहरूको चर्चा गरेर उनको **ज्योतिबिनाको उज्यालो** कथाको विश्लेषण गर्नु।	
१०	नेपाली कथा साहित्यमा कथाकार पूर्ण राईको कथागत प्रवृत्तिहरू चर्चा गर्दै उनको जानका **पासाङहरूको कथा** कथाको विश्लेषण गर्नु।	
११	नेपाली कथा परम्परामा लक्खीदेवी सुन्दासका कथागत विशेषताहरूको विवेचना गरेर उनको **निर्वासित** कथाको विश्लेषण गर्नु।	
१२	कथाकार देवकुमारी थापाका कथा वैशिष्ट्यमाथि विवेचना गर्दै उनको **चर्केको छाना** कथाको विश्लेषण गर्नु।	
१३	मटिल्डा राईका कथा प्रवृत्तिको चर्चा गर्दै उनको **टोटलाको फूल** कथाको विश्लेषण गर्नु।	
१४	सम्पूर्णा राईको कथाकारिताको चर्चा गर्दै **चेन्नी** कथाको विश्लेषण गर्नु।	

NEPALI HONOURS
3RD SEMESTER
CC – 7: नेपाली उपन्यास

Sl. No.	Course Objective	Course Specific Outcome
१	आधुनिक नेपाली उपन्यासको विकासबारे अध्ययन गर्नु।	१. साहित्यमा आधुनिक भनेको के हो भन्ने सिकेपछि विद्यार्थिहरू आधुनिक नेपाली उपन्यासको विकासक्रमबारे जानकारी हासिल गर्ने छन्।
२	उपन्यासका परिभाषा, स्वरूप र तत्त्वहरूबारे विस्तृत जानकारी दिँदै प्रमुख नेपाली उपन्यासकारका औपन्यासिक	

३	प्रविधिहरूको अनुशीलन गर्नु।
४	आधुनिक नेपाली उपन्यास परम्परामा रूपनारायण सिंहको स्थान निर्धारण गर्दै उनका औपन्यासिक प्रविधिहरूको चर्चा पनि गरेर भ्रमर उपन्यासको लेखाजोखा गर्नु।
५	लैनसिंह बाङ्देलका औपन्यासिक प्रविधिहरूको चर्चा गर्दै विषय वस्तु र प्रवृत्तिगत दृष्टिले **लङ्गडाको साथी** उपन्यासको सम्यक विश्लेषण गर्नु।
६	विश्वेश्वरप्रसाद कोइरालाका औपन्यासिक प्रवृत्तिहरूको चर्चा गर्दै विविध पक्षबाट **तीन घुम्ती** उपन्यासको समीक्षात्मक चर्चा गर्नु।
७	पारिजातको उपन्यासकारिताको चर्चा गर्दै विषय वस्तु र शिल्प संयोजनका दृष्टिले उनको पर्खालभित्र र बाहिर उपन्यासको विश्लेषण गर्नु।
८	इन्द्र सुन्दासका औपन्यासिक प्रवृत्तिहरूको विश्लेषण गर्दै जुनेली रेखा उपन्यासको सारगर्भित विश्लेषण गर्नु।
९	पुष्प राईका उपन्यासमा पाइने विशेषताहरूको चर्चा गर्दै मध्यान्तर उपन्यासको विश्लेषण गर्नु।

(continued from left column, Course Specific Outcome)

२. उपन्यासको सैद्धान्तिक पक्षबारे उनीहरूलाई उचित जानकारी प्राप्त हुने छ।

३. आधुनिक नेपाली उपन्यासकारहरू क्रमशः **लैनसिंह बाङ्देल, विश्वेश्वरप्रसाद कोइराला, पारिजात, इन्द्र सुन्दास** अनि **पुष्प राई**का औपन्यासित प्रवृत्तिबारे अवगत भई विद्यार्थीहरू पाठ्यक्रममा आधारित माथि उल्लिखित आधुनिक उपन्यासकारहरूका उपन्यासका भाव, शिल्पबारे ज्ञान प्राप्त गर्दछन्।

NEPALI HONOURS
4TH SEMESTER
CC – 8: नेपाली निबन्ध

Sl. No.	Course Objective	Course Specific Outcome
१	निबन्धको परिभाषा, स्वरूप र प्रकारहरूको चर्चा गर्दै नेपाली निबन्ध साहित्यको विकासको सर्वेक्षणात्मक अध्ययन गर्नु।	१. विद्यार्थीहरूले निबन्धका अर्थ, परिभाषा, स्वरूप र प्रकारबारे ज्ञान हासिल गर्ने छन् अनि नेपाली निबन्ध साहित्यको विकासक्रमबारे आवश्यक जानकारी लिने छन्।
२	प्रमुख नेपाली निबन्धकारहरूका निबन्ध लेखन प्रविधि, निबन्धका क्षेत्रमा उनीहरूको योगदान र स्थान निर्धारणबारे चर्चा गर्नु।	२. आधुनिक नेपाली साहित्यमा निबन्धकारका रूपमा देखा परेका प्रमुख निबन्धकार अनि नेपाली निबन्ध साहित्यलाई उनीहरूको योगदानबारे जानकारी उपलब्ध गर्ने छन्।
३	लक्ष्मीप्रसाद देवकोटाको निबन्धगत वैशिष्ट्यहरूको चर्चा गर्दै श्रीगणेशाय नमः निबन्धको चर्चा गर्नु।	३. आधुनिक नेपाली निबन्धकारहरू क्रमशः **लक्ष्मीप्रसाद देवकोटा, शङ्कर लामिछाने, तारानाथ शर्मा, रामकृष्ण शर्मा, पारसमणि प्रधान, भैरव अर्याल, रामलाल अधिकारी, अच्छा राई 'रसिक', सानुभाइ शर्मा, सलोन कार्थक**जस्ता निबन्धकारहरूको योगदान अनि पाठ्यक्रममा आधारित उनीहरूका निबन्धहरूको भाव अनि शिल्प शैलीबारे विद्यार्थीहरूलाई ज्ञान प्राप्त हुने छ।
४	शङ्कर लामिछानेको निबन्धगत वैशिष्ट्यहरूको चर्चा गर्दै एब्स्ट्र्याक चिन्तन प्याज निबन्धको चर्चा गर्नु।	
५	तारानाथ शर्माको निबन्धगत वैशिष्ट्यहरूको चर्चा गर्दै वक्ताहरूको कुनो निबन्धको चर्चा गर्नु।	
६	रामकृष्ण शर्माको निबन्धगत वैशिष्ट्यहरूको चर्चा गर्दै कविको धन निबन्धको चर्चा गर्नु।	
७	पारसमणि प्रधानको निबन्धगत वैशिष्ट्यहरूको चर्चा गर्दै अजिब भोज निबन्धको चर्चा गर्नु।	
८	भैरव अर्यालको निबन्धगत वैशिष्ट्यहरूको चर्चा गर्दै जय भुँडी निबन्धको चर्चा गर्नु।	
९	रामलाल अधिकारीको निबन्धगत वैशिष्ट्यहरूको चर्चा गर्दै गृहस्थीको समाधि निबन्धको चर्चा गर्नु।	
१०	अच्छा राई रसिकको निबन्धगत वैशिष्ट्यहरूको चर्चा गर्दै भुँडी निबन्धको चर्चा गर्नु।	
११	सानुभाइ शर्माको निबन्धगत वैशिष्ट्यहरूको चर्चा गर्दै रिस किन उठ्छ निबन्धको चर्चा गर्नु।	
१२	सलोन कार्थकको निबन्धगत वैशिष्ट्यहरूको चर्चा गर्दै वाह! दार्जिलिङ टी निबन्धको चर्चा गर्नु।	

NEPALI HONOURS
4TH SEMESTER
CC – 9: नेपाली भाषा विज्ञान

Sl. No.	Course Objective	Course Specific Outcome
१	नेपाली भाषाको उत्पत्ति र विकासको सर्वेक्षणात्मक अध्ययन गर्नु।	१. भाषाको सामान्य परिचय हासिल गरेपछि विद्यार्थीहरूलाई नेपाली भाषाको उत्पत्तिका सन्दर्भमा विद्वान्हरूले के कस्ता मत प्रकट गरेका छन् भन्ने कुराको ज्ञान हासिल हुने छ।
२	नेपाली भाषा र लिपिको परिचयात्मक चर्चा गर्नु।	
३	नेपाली भाषाको शब्द भण्डारका स्रोतहरू केलाउँदै यसबारे	

	सविस्तार विवेचना गर्नु।	२. शब्द भण्डार के हो भन्ने जानेपछि नेपाली शब्द भण्डारमा कुन कुन स्रोतबाट के कस्ता शब्द भित्रिएका छन् भन्ने कुराबारे उनीहरू अवगत हुन्छन्।
४	नेपाली भाषाका शब्द निर्माण प्रक्रियाबारे विवेचना गर्नु।	
५	नेपाली भाषाको वर्ण विन्यासबारे विवेचना गर्नु।	३. विद्यार्थीहरूलाई बनोटका आधारमा शब्दका कति प्रकार हुन सक्छन् र नेपाली भाषामा कुन कुन पद्धतिद्वारा शब्द निर्माण गरिन्छ भन्ने कुराको सही ज्ञान प्राप्त हुने छ।
६	नेपाली भाषाको अध्ययन परम्पराको सर्वेक्षणात्मक चर्चा गर्नु।	
७	नेपाली व्याकरणको इतिहास लेखन परम्पराको चर्चा गर्नु।	४. नेपाली भाषाको अध्ययन परम्पराको आवश्यक जानकारी हासिल गर्ने छन्।
८	नेपाली भाषाको अन्तर्राष्ट्रिय विस्तार र भारतमा नेपाली भाषा मान्यता आन्दोलनबारे सविस्तार चर्चा गर्नु।	५. नेपाली व्याकरण लेखनमा स्वदेशी, विदेशी विद्वान्हरूको योगदान र नेपाली व्याकरणको बद्लँदो स्वरूपबारे अवगत हुन्छन्।
९	नेपाली भाषाको वर्तनी प्रयोग, पद योग, पद वियोग, संयुक्ताक्षर र वाक्य गठन विधिबारे चर्चा गर्नु।	६. नेपाली भाषा साहित्यको विकासमा अन्तर्राष्ट्रिय परिप्रेक्ष्यमा के कस्ता काम भए र भइरहेका छन् भन्ने कुरा बुझेपछि भारतमा नेपाली भाषालाई संविधानको अष्टम् अनुसूचिमा अन्तर्भुक्त गराउन अग्रजहरूले के कस्ता आन्दोलन गरे भन्ने कुराको आवश्यक ज्ञान प्राप्त गर्ने छन्।
		७. नेपाली भाषाको वर्तनी (शुद्ध लेखनका उपायहरू), पद योग र पद वियोग, संयुक्ताक्षर अनि वाक्य गठन विधिबारे सिक्ने छन्।

NEPALI HONOURS
4TH SEMESTER

4TH SEMESTER

CC – 10: समकालीन नेपाली कविता

Sl. No.	Course Objective	Course Specific Outcome
१	समकालीन शब्दका अर्थ, परिभाषा र अवधारणाबारे विश्लेषण गर्नु।	१. साहित्यमा 'समकालीन' भनेको के हो? यसका के कस्ता परिभाषा उपलब्ध छन् अनि समकालीन पदको अवधारणा के हो भन्ने सन्दर्भमा विद्यार्थिहरू अवगत हुन्छन्।
२	समकालीन कविताका प्रमुख प्रवृत्ति र विशेषताहरूको अध्ययन गर्नु।	२. समकालीन कविताका प्रवृत्ति र विशेषताहरूबारे विद्यार्थीवर्गलाई जानकारी प्राप्त हुने छ।
३	मोहन ठकुरीका काव्यात्मक प्रवृत्ति र **तिमीलाई म सधैँ देख्छु** कविताको विश्लेषण गर्नु।	३. नेपाली साहित्यका भारतीय समकालीन कविहरू क्रमशः **मोहन ठकुरी, जस योन्जन 'प्यासी', जीवन थिङ, विकास गोतामे, नव सापकोटा, मनप्रसाद सुब्बा, राजेन्द्र भण्डारी, नोज्याङ स्याङ्देन, अविनाश श्रेष्ठ, भविलाल लामिछाने** अनि **नरेशचन्द्र खाती**को काव्यिक योगदानबारे आवश्यक ज्ञान हासिल गरी पाठ्यक्रममा आधारित उनीहरूका कविताका भाव अनि शिल्प शैलीबारे विद्यार्थिहरू अवगत हुँदछन्।
४	जस योन्जन प्यासीका कवितागत विशेषता र **शान्ति सन्देह** कविताको चर्चा गर्नु।	
५	जीवन थिङका काव्यशक्ति र **म बेथलेहम सहरको हिप्पोपोटामस** कविताको समीक्षात्मक विवेचना गर्नु।	
६	विकास गोतामेको काव्यात्मक वैशिष्ट्य र **आज फेरि छोरासित** कविताको विवेचना गर्नु।	
७	नव सापकोटाको काव्यकारिता र **युक्लिप्टस आउँदो पिँढीलाई आशीर्वाद** कविताको समीक्षात्मक चर्चा गर्नु।	
८	मनप्रसाद सुब्बाको काव्यकारिता र **म कहिले बुद्ध हुनु** कविताको चर्चा गर्नु।	
९	राजेन्द्र भण्डारीका काव्यगत वैशिष्ट्य र **बेरोजगार युवाको आइडेन्टिटी कार्ड** कविताको अध्ययन गर्नु।	
१०	नोज्याङ स्याङ्देनको काव्य प्रवृत्ति र घायल **फुल झरेका केही पत्रहरू** कविताको समीक्षा गर्नु।	
११	अविनाश श्रेष्ठको काव्य प्रवृत्ति र **जङ्गल सलिलकी** कविताको समीक्षा गर्नु।	
१२	भविलाल लामिछानेको काव्य प्रवृत्ति र **पौरखको नदी** कविताको समीक्षा गर्नु।	
१३	नरेशचन्द्र खातीको काव्य प्रवृत्ति र **परेली परेलीमा भिजेर** कविताको समीक्षा गर्नु।	

HONOURS & PROGRAMME COURSE
4TH SEMESTER

4TH SEMESTER

SEC-2B: जनसञ्चार

Sl. No.	Course Objective	Course Specific Outcome
१	जनसञ्चारको अर्थ,परिभाषा,स्वरूप र विशेषता,प्रयोजन तथा	१. सञ्चार माध्यमसम्बन्धी ज्ञानको विकास र उपयोगमा

	क्षेत्र र सीमाको विवेचना गर्नु।		सहायक हुँदछ।
२	छापा सञ्चार माध्यम र विद्युतीय माध्यमको विश्लेषणात्मक चर्चा गर्नु।	२.	पत्रकारिता र पत्रकारबारे कार्यमूलक अनुभव प्रत्यक्ष हुनु।
३	पत्रकारिता र पत्रकारका महत्त्वमाथि प्रकाश पार्नु।	३.	जनसञ्चार क्षेत्रमा कार्य गर्नु रुचि बढ्नेछ।
४	जनसञ्चारको प्रक्रियाबारे बोध गराउनु।	४.	यस क्षेत्रको अध्ययनबाट राम्रो पत्रकारको रुपमा प्रतिष्ठित हुँदै गएर राष्ट्रिय व्यक्तित्वको समेत निर्माण हुन्छ।
५	जनसञ्चारको भाषा र शैलीबारे अवगत गराउनु।		
६	जनसञ्चारका शक्ति र चुनौती तथा यसका कानुन र आचार संहिताको विवेचना गर्नु।		

NEPALI HONOURS
5TH SEMESTER
CC – 11: नेपाली समालोचना

Sl. No.	Course Objective	Course Specific Outcome
१	समालोचनाका अर्थ, परिभाषा र स्वरूपको विवेचनात्मक अध्ययन गर्नु।	१. विद्यार्थीहरूलाई समालोचनाका अर्थ, परिभाषा र स्वरूप अनि नेपाली समालोचनाका विकासक्रमबारे ज्ञान प्राप्त हुँदछ।
२	नेपाली समालोचनाको विकासक्रमको सर्वेक्षणात्मक अध्ययन गर्नु।	२. पाठ्यक्रममा आधारित समालोचक र तिनीहरूका समालोचना प्रवृत्तिबारे अवगत हुँदछन्।
३	केही प्रमुख समालोचकहरूका समालोचना प्रवृत्ति र योगदानहरूको विश्लेषणात्मक अध्ययन गर्नु।	
४	सूर्यविक्रम ज्ञवाली, रामकृष्ण शर्मा, केशवप्रसाद उपाध्याय, इन्द्रबहादुर राई, कृष्णचन्द्रसिंह प्रधान, गणेशलाल सुब्बा, ईश्वर बराल, ताना शर्मा, कुमार प्रधान, राजनारायण प्रधान, गुमानसिंह चामलिङका पाठ्यक्रममा आधारित समालोचनाहरूको विश्लेषण र मूल्याङ्कन गर्नु।	

NEPALI HONOURS
5TH SEMESTER
CC - 12
नेपाली नाटक र एकाङ्की

Sl. No.	Course Objective	Course Specific Outcome
१	नाटक र एकाङ्कीका तत्त्वहरूको अध्ययन गर्नु।	१. नाटक र एकाङ्कीका अर्थ र परिभाषा सिकेपछि यी दुईका तत्त्वहरूबारे विद्यार्थीहरूलाई आवश्यक ज्ञान प्राप्त हुने छ।
२	नेपाली नाटक र एकाङ्कीको विकासको सर्वेक्षणात्मक अध्ययन गर्नु।	२. आधुनिक नेपाली नाटककारहरू क्रमशः **बालकृष्ण सम, गोपालप्रसाद रिमाल, मनबहादुर मुखिया, लक्ष्मण श्रीमल, मोहन-पुकार अनि अविनाश श्रेष्ठ**ले नेपाली नाट्य साहित्यलाई पुऱ्याएका योगदानबारे विद्यार्थीहरू अवगत हुन्छन् र पाठ्यक्रममा आधारित उनीहरूका नाट्यकृति भाव अनि शिल्प शैलीबारे आवश्यक ज्ञान प्राप्त गर्ने छन्।
३	बालकृष्ण समका नाट्य प्रवृत्तिहरूको अध्ययन गर्दै **भीमसेनको अन्त्य** नाटकको विश्लेषण गर्नु।	
४	गोपालप्रसाद रिमालका नाट्य प्रवृत्तिहरूको अध्ययन गर्दै **यो प्रेम** नाटकको विश्लेषण गर्नु।	
५	मनबहादुर मुखियाका नाट्य प्रवृत्तिहरूको अध्ययन गर्दै **अनि देउराली रुन्छ** नाटकको विश्लेषण गर्नु।	
६	लक्ष्मण श्रीमलका नाट्य प्रवृत्तिहरूको अध्ययन गर्दै **तीन दिशा** नाटकको विश्लेषण गर्नु।	
७	मोहन पुकारका नाट्य प्रवृत्तिहरूको अध्ययन गर्दै **टीका** नाटकको विश्लेषण गर्नु।	
८	अविनाश श्रेष्ठका नाट्य प्रवृत्तिहरूको अध्ययन गर्दै **अश्वत्थामा हतोहतः** नाटकको विश्लेषण गर्नु।	

NEPALI HONOURS
5TH SEMESTER
DSC-1 A
नेपाली भाषा साहित्यमा चलेका प्रमुख आन्दोलन र वादहरू

Sl. No.	Course Objective	Course Specific Outcome
१	झर्रोवादी आन्दोलनको पृष्ठभूमि, स्वरूप र विशेषताहरूको चर्चा गर्नु।	१. नेपाली भाषा साहित्यमा चलेका प्रमुख आन्दोलन र वादहरूबारे ज्ञान प्राप्त हुन्छ।
२	**हलन्त बहिष्कार आन्दोलन**का पृष्ठभूमि, स्वरूप, उद्भवका कारण, वैशिष्ट्य र उपयोगिताबारे विवेचना गर्नु।	२. विद्यार्थीहरू झर्रोवादी आन्दोलनको उद्भवको कारण, उपयोगिता, वैशिष्ट्य र नेपाली भाषा साहित्यमा यसको प्रभावबारे अवगत हुन्छन्।
३	**राल्फाली आन्दोलन**का पृष्ठभूमि, स्वरूप, विस्तार र प्रवृत्तिहरूको विश्लेषण गर्नु।	३. हलन्त बहिष्कार आन्दोलनको अध्ययनले यसका विभिन्न आयाम र पक्षहरूबारे अवगत गराउँदछ।
४	**तरलवादी आन्दोलन**का उदय, स्वरूप, विकास र विशेषताहरूबारे चर्चा गर्नु।	४. राल्फाली र तरलवादी आन्दोलनले साहित्य लेखनमा पारेका प्रभाव र उपयोगिताबारे स्पष्ट हुँदछन्।
५	**प्रगतिवादी आन्दोलन**का उद्भवका पृष्ठभूमि, स्वरूप, विकास र वैशिष्ट्यहरूका सविस्तार चर्चा गर्नु।	५. प्रगतिवादी आन्दोलनको अध्ययनले यस वादका अवधारणा, आवश्यकता, विशेषता, उद्देश्य, मूल्य आदि ज्ञातव्य तथ्यहरूका स्पष्ट अन्तर्दृष्टि प्राप्त हुँदछ।
६	**आयामिक आन्दोलन**का उदय, स्वरूप, विकास र वैशिष्ट्यहरूबारे चर्चा गर्नु।	६. आयामिक आन्दोलन र लीला लेखनको अध्ययनबाट साहित्य लेखनप्रतिको स्पष्ट सैद्धान्तिक ज्ञान प्राप्त हुँदछ।
७	**लीला लेखन**को उदय, स्वरूप, औचित्य र प्रवृत्तिहरूको विवेचना गर्नु।	७. सङ्क्रमण लेखनगत साहित्यिक आन्दोलनको शिक्षणले यसका प्रकृति, उदय र मूल्यबारे ज्ञान प्रदान गराउँदछ।
८	**सङ्क्रमण लेखन** उद्भव, स्वरूप, महत्त्व र विशेषताहरूको विश्लेषणात्मक अध्ययन गर्नु।	

NEPALI HONOURS
5TH SEMESTER
DSC-2 A
नेपाली समाज र संस्कृति

Sl. No.	Course Objective	Course Specific Outcome
१	समाजको अर्थ र परिभाषा तथा संस्कृतिको अर्थ र परिभाषाबारे विवेचनात्मक अध्ययन गर्नु।	१. नेपाली समाज र संस्कृतिका सन्दर्भमा यसका अर्थ र परिभाषासहित आवश्यक कुराहरू सिक्ने छन्।
२	समाज, संस्कृति र सभ्यताका परिचयाङ्कन गर्दै यसबारे व्याख्या गर्नु।	२. समाज, संस्कृति र सभ्यताको अवधारणा बुझी नेपाली समाजको संरचना कसरी भएको छ भन्ने जानकारी विद्यार्थीहरूलाई प्राप्त हुने छ।
३	नेपाली समाजको संरचनागत अध्ययन गर्नु।	३. नेपाली समाज र संस्कृतिका विशेषताबारे अवगत हुन्छन्।
४	नेपाली समाज र संस्कृतिका विशेषताहरूबारे चर्चा गर्नु।	४. जातीय चाड पर्व र रीतिथिति, खानपान, वेषभूषा, गरगहना, संस्कार, लोक विश्वास, बाजागाजा, हातहतियार, हाम्रा समाजमा प्रचलित काष्ठ शिल्प र माटाका धातुबारे उचित ज्ञान हासिल गर्न सक्छन्।
५	नेपाली चाड पर्व र रीतिथिति, खानपान र वेषभूषा, गरगहना, संस्कार एवम् लोक विश्वास र लोकबाजाबारे विवेचना गर्नु।	
६	नेपाली हातहतियार एवम् शिल्प शैली तथा काठ, बाँस, ढुङ्गा र माटाले बनेका सामग्रीहरूसम्बन्धी परिचयात्मक विवेचना गर्नु।	

NEPALI HONOURS
6TH SEMESTER
CC-13
नेपाली प्रबन्ध काव्य

Sl. No.	Course Objective	Course Specific Outcome
१	प्रबन्ध काव्यको अर्थ, परिभाषा र प्रकारबारे चर्चा गर्नु।	१. प्रबन्ध काव्यको अर्थ, परिभाषा र प्रकारबारे ज्ञान प्राप्त हुनु।
२	नेपाली प्रबन्ध काव्यको विकास परम्पराको विवेचना गर्नु।	२. नेपाली प्रबन्ध काव्यको विकास परम्पराको गति के कस्तो छ भन्ने विषयमा जानकारी हुनु।
३	महाकाव्य र खण्डकाव्यका संरचनात्मक स्वरूप र घटकहरूको अध्ययन गर्नु।	

| ४ | लेखनाथ पौड्यालको तरुण तपसी, लक्ष्मीप्रसाद देवकोटाको सुलोचना, बालकृष्ण समको आगो र पानी, अगमसिंह गिरीको याद र तुलसीबहादुर छेत्रीको कर्ण कुन्ती काव्यहरूको विवेचना र मूल्याङ्कन गर्नु। | ३. महाकाव्य र खण्डकाव्यका संरचनात्मक स्वरूप र घटकहरूबारे ज्ञान प्राप्त हुनु।
४. पाठ्य महाकाव्य र खण्डकाव्यहरूबारे गहन ज्ञान हुनु। |

NEPALI HONOURS
6TH SEMESTER
CC-14
नेपाली प्रबन्ध काव्य

Sl. No.	Course Objective	Course Specific Outcome
१	लोक र लोकवार्ता शब्दको अर्थ, परिभाषा प्रस्तुत गर्दै लोकवार्ता अध्ययनको औचित्य र महत्त्व, क्षेत्र र स्वरूप तथा लोकवार्ताका विविध भेदहरूको अध्ययन गर्नु।	१. विद्यार्थीहरू लोक र लोक वार्ता शब्दको अर्थ र परिभाषा सिक्न सक्छन् साथै उनीहरूलाई लोक वार्ताका औचित्य, महत्त्व, क्षेत्र र स्वरूपबारे ज्ञान प्राप्त हुँदछ।
२	नेपाली लोक जीवन र लोक संस्कृति, लोक साहित्य र नेपाली लोकवार्ता अध्ययन परम्पराको विश्लेषणात्मक अध्ययन गर्नु।	२. विद्यार्थीहरू लोक संस्कृति र लोक साहित्यको परम्पराबारे अवगत हुँदछन्।
३	नेपाली लोक गीत, लोक गाथा, लोक नाटक र लोक कविताका विधागत स्वरूप र विशेषता र प्रकारहरूको विवेचनात्मक चर्चा गर्नु।	३. नेपाली लोक वार्ताका लोक गीत, लोक गाथा, लोक नाटक र लोक कविताजस्ता भेदहरूबारे विद्यार्थीहरूलाई सही जानकारी प्राप्त हुँदछ।

NEPALI HONOURS
6TH SEMESTER
DSE-3A
नेपाली बाल साहित्य

Sl. No.	Course Objective	Course Specific Outcome
१	बाल साहित्यको परिभाषा, महत्त्व र प्रयोजनबारे विमर्श गर्नु।	१. बाल साहित्य पठन, लेखन र अध्ययनमा विद्यार्थीहरूलाई प्रोत्साहित गर्न सकिन्छ।
२	नेपाली मौखिक र पारम्परिक बाल साहित्यका विधाहरूको चर्चा गर्नु।	२. नेपाली बाल साहित्य लेखनको थालनी र विस्तृत जानकारी प्राप्त हुँदछ।
३	नेपाली बाल साहित्य लेखनको थालनी र विकासका दशा र दिशाबारे विवेचनात्मक अध्ययन गर्नु।	३. बाल कथा, बाल गद्य लेखन र बाल उपन्यासहरूका विशेषताहरूप्रति विद्यार्थीवर्गको ध्यान आकर्षित गर्न सकिन्छ।
४	नेपाली बाल कविता, बाल कथा, बाल गद्य लेखन, बाल उपन्यासको अवस्था, स्थिति र गतिबारे निक्यौंल गर्नु।	४. उच्च गुणवत्ता भएका बाल साहित्यकार र उनीहरूका कृतिमा पाइने मौलिक विशेषताहरूको ज्ञान प्राप्त हुँदछ।
५	सुख नमको नेपाली परी कथाहरू, एडोन रोड्गोड्गको मायाको फुल, भविलाल लामिछानेको चराको चिरबिर भुराको किरकिर एवम् मुक्ति उपाध्यायको मालती रोबोट बाल कृतिहरूको विवेचनात्मक अध्ययन गर्नु।	५. बाल साहित्यको नेपाली अनुवाद लेखनको स्थिति र प्रक्रियाबारे अवगत हुँदछन्। ६. बाल साहित्यलाई विशेष क्षेत्र चुनेर शोध पत्र वा लेखहरू लेख्ने प्रेरणा प्राप्त हुँदछ।

NEPALI HONOURS
6TH SEMESTER
DSE-4B
नेपाली अनुवाद साहित्य

Sl. No.	Course Objective	Course Specific Outcome
१	अनुवादका अर्थ, परिभाषा तथा प्रयोजन र महत्त्वबारे विवेचना गर्नु।	१. अनुवादका अर्थ र परिभाषाबारे विविध विद्वान्हरूले प्रस्तुत गरेका मतहरूबारे विद्यार्थीहरू अवगत हुँदछन्।
२	अनुवाद र काव्यानुवादका प्रकार, पद्धति र प्रक्रियाबारे चर्चा परिचर्चा गर्नु।	२. विद्यार्थीहरू अनुवादका प्रयोजन र महत्त्व के के छन् भन्ने विषयमा अवगत हुँदछन्।
३	भाषाको वैश्विक परिप्रेक्ष्यमा अनुवादको आवश्यका र उपयोगिताबारे छलफल गर्नु।	३. अनुवादका विविध प्रकार र पद्धतिबारे विद्यार्थीहरूलाई जानकारी प्राप्त हुँदछ।
४	नेपाली अनुवाद साहित्य परम्पराको सर्वेक्षण गर्दै यसका विविध प्रकारहरूको विश्लेषण गर्नु।	४. अनुवादमा अर्थ सम्प्रेषण, अर्थान्तरण र अर्थ ग्रहणको प्रक्रियासित परिचित बन्छन्।

५	नेपाली भाषामा अन्य भाषाबाट भएका अनुवाद र अन्य भाषामा नेपाली भाषाबाट भएका कार्यको सर्वेक्षणात्मक अध्ययन गर्नु।	५. नेपाली अनुवाद साहित्यको परम्परा र यसका विविध प्रकारहरूबारे जानकारी प्राप्त गर्ने छन्।
		६. विदेशी भाषाका साहित्यद्वारा लाभान्वित हुनाका निम्ति अनुवादको आवश्यकता देखिन्छ भन्ने बुझ्दछन्।
		७. भारतीय तथा प्रमुख विदेशी साहित्यबारे जानकारी प्राप्त गर्न सक्छन्।

NEPALI PROGRAMME CORUSE
1ST SEMESTER
DSC – 1: नेपाली नाटक

Sl. No.	Course Objective	Course Specific Outcome
१	नेपाली नाटकको विकासको सङ्क्षिप्त इतिहासको विवेचनात्मक चर्चा गर्नु।	१. नेपाली नाटकको विकासेतिहासको अध्ययनले नेपाली नाटकका थालनी, विशेषता र एवम् नाटककारहरू र उनीहरूका नाटकीय मान्यता र योगदानबारे बुझ्न सहायता गर्दछ।
२	नाटकको सैद्धान्तिक विवेचना गर्नु।	२. नाटकको सैद्धान्तिक अवधारणा र विश्लेषणले विद्यार्थिहरूमा नाट्य लेखन र मञ्चनसम्बन्धी रहेको विचारलाई अभिव्यक्त गर्ने प्रेरणा प्रदान गर्न सक्दछ।
३	नाटककार बालकृष्ण समका नाटकीय प्रवृत्ति र योगदानको चर्चा गर्दा **प्रह्लाद** नाटकको सविस्तार चर्चा गर्नु।	३. नाटक शिक्षणले विद्यार्थिहरूको रचनात्मक अभिव्यक्तिलाई सक्षम बनाउँदछ।
४	नाटककार विजय मल्लका एकाङ्कीकारिता, विशेषता र योगदानको चर्चा गर्दै उनको **पत्थरको कथा** एकाङ्कीको समीक्षात्मक चर्चा गर्नु।	४. नेपालका साथै भारतका नेपाली नाटककारहरूबारे जानकारी प्राप्त हुँदछ।
५	नाटककार गोविन्दबहादुर मल्ल गोठालेका एकाङ्कीगत प्रवृत्ति र योगदानको चर्चा गर्दै उनको **भोको घर** एकाङ्कीको चर्चा गर्नु।	५. **बालकृष्ण सम, गोविन्दबहादुर मल्ल 'गोठाले', विजय मल्ल, मनबहादुर मुखिया, नन्द हाङ्खिम र मोहन-पुकार**का नाट्य रचनाहरूमा प्रदर्शित र प्रस्तुत सामाजिक, आर्थिक, राजनैतिक, सांस्कृतिक पक्ष तथा भाषिक शिल्पबारे अवगत हुँदछ।
६	नाटककार मनबहादुर मुखियाको एकाङ्कीकार व्यक्तित्व, योगदार र प्रवृत्तिबारे चर्चा गर्दै उनको **अँध्यारोमा बाँच्नेहरू** एकाङ्कीको विवेचनात्मक अध्ययन गर्नु।	
७	नाटककार मोहन-पुकारका एकाङ्कीगत वैशिष्ट्य र योगदानबारे चर्चा गर्दै विविध पक्षबाट उनको **टीका** एकाङ्कीको विश्लेषण गर्नु।	

GENERIC ELECTIVE COURSE (GE) FOR HONS. PROGRAMME
GE-1A
नेपाली भाषाको परिचयात्मक अध्ययन

Sl. No.	Course Objective	Course Specific Outcome
१	भाषाको अर्थ र परिभाषा तथा प्रकृतिहरूको विश्लेषणात्मक अध्ययन गर्नु।	१. विद्यार्थिहरूले भाषाको अर्थ र परिभाषाबारे जानकारीका साथै भाषाको प्रकृति र विशेषता के कस्ता हुन्छन् भन्ने ज्ञान हासिल गर्दछन्।
२	लिपिका अर्थ, परिभाषा बताएर प्रकार र देवनागरी लिपिको विशेषता, गुण अनि दोषहरूको जानकारी गराउनु।	२. नेपाली भाषाको उत्पत्तिबारे विद्वान्हरूको मत अनि विकासक्रमबारे विद्यार्थिहरूले जानकारी हासिल गर्दछन्।
३	नेपाली भाषाको उत्पत्ति र विकासको ऐतिहासिक अध्ययन गर्नु।	३. लिपिको अर्थ, परिभाषा र प्रकार र विशेषता अनि गुण दोषबारे जानकारी प्राप्त गर्दछन्।
४	नेपाली भाषाका विशेषताहरूको परिचयात्मक अध्ययन प्रस्तुत गर्नु।	४. विद्यार्थिहरू तत्सम, तद्भव र आगन्तुक शब्दहरूबारे परिचित हुन्छन्।
५	विद्यार्थिहरूलाई तत्सम, तद्भव अनि आगन्तुक शब्दहरूको परिचय दिनु।	५. नेपाली वर्णमालामा रहेका वर्णहरूको प्रकार, उच्चारण स्थान आदि बारे ज्ञान हासिल गर्दछन्।
६	नेपाली वर्णमालामा रहेका वर्णहरूका प्रकार, नाउँ, उच्चारण स्थान आदिबारे विद्यार्थिहरूलाई बुझाउनु।	६. नेपाली वाक्य र यसका प्रकारहरू के कस्ता छन् भन्ने विषयमा विद्यार्थिहरूले ज्ञान हासिल गर्दछन्।
७	वाक्यका अर्थ, परिभाषा र प्रकारबारे विद्यार्थिहरूलाई जानकारी प्रदान गर्नु	७. विभिन्न आधारहरूमा शब्दका के कति प्रकारहरू छन् भन्ने विद्यार्थिहरू बुझ्दछन्।
८	शब्दका अर्थ, परिभाषा र प्रकारबारे विद्यार्थिहरूलाई जानकारी प्रदान गर्नु।	८. नेपाली शब्दवर्गका विविध विभागहरूको ज्ञान प्राप्त गर्दछन्।
९	नेपाली भाषाका शब्दवर्गबारे विश्लेषणात्मक चर्चा गर्नु।	९. नेपाली भाषामा कारक व्यवस्थाको स्थिति के कस्तो छ भन्ने ज्ञान हासिल गर्दछन्।
१०	उदाहरणसहित कारकका अर्थ, परिभाषा र प्रकारबारे सिकाउनु।	
१०	नेपाली भाषामा शब्द निर्माणका के कस्ता प्रक्रियाहरू छन् भन्ने	

| | कुराको सोदाहरण चर्चा गर्नु। | १०. नेपाली भाषामा कुन कुन पद्धतिद्वारा कस्ता कस्ता शब्दहरू बनाउन सकिन्छ भन्ने कुरो सिक्न सक्छन्। |

2nd SEMESTER
DSC – 2 : नेपाली कविता

Sl. No.	Course Objective	Course Specific Outcome
१	कविता विधाको सैद्धान्तिक व्याख्या र विश्लेषण गर्नु।	१. विद्यार्थीहरू कविता र कविता विधाको सैद्धान्तिक पक्षसित परिचित हुन्छन्।
२	नेपाली कविताको विकासक्रमको सर्वेक्षण गर्दै यसका विविध प्रवृत्तिहरूको अध्ययन प्रस्तुत गर्नु।	२. नेपाली कविताको विकासक्रम, उपलब्धि, प्रवृत्ति र प्राप्तिबारे ज्ञान हासिल गर्दछन्।
३	भानुभक्त आचार्यको साहित्यिक व्यक्तित्व र कृतित्वको अध्ययन गर्दै **बिन्ती डिट्ठा विचारीसित** कविताको विश्लेषण गर्नु।	३. लक्ष्मीप्रसाद देवकोटाका काव्य प्रतिभा, कृतित्व एवम् सन्दर्भित कविताको भाव र शैली पक्षसित परिचित हुन्छन्।
४	ज्ञानदिलदासको साहित्यिक व्यक्तित्व र कृतित्वको अध्ययन गर्दै **टुङ्ना भजन** कविताको विश्लेषण गर्नु।	४. धरणीधर काव्यकारिता र पाठ्यक्रममा आधारित उनको कविताको भाव, भाषा र शैलीबारे ज्ञान हासिल गर्दछन्।
५	मोतीराम भट्टको साहित्यिक व्यक्तित्व र कृतित्वको अध्ययन गर्दै **कविताको सरजाम** कविताको विश्लेषण गर्नु।	५. बालकृष्ण समका काव्यगुण, विशेषता र उनका कविताहरूको विषय वस्तु र शिल्प पक्षबारे ज्ञान हासिल गर्नका साथै सन्दर्भित कविताको भाव र शिल्पबारे पनि अवगत हुन्छन्।
६	लेखनाथ पौड्यालको साहित्यिक व्यक्तित्व र कृतित्वको अध्ययन गर्दै **पाटीमा ढाक्रेको पसारो** कविताको विश्लेषण गर्नु।	६. अगमसिंह गिरी, तुलसी अपतन, लक्खीदेवी सुन्दास, वीरेन्द्र प्रभृति भारतीय नेपाली कविहरूका काव्यगत सौन्दर्य र वैशिष्ट्य र पाठ्यक्रममा आधारित उनीहरूका कविताबारे सम्यक ज्ञान प्राप्त गर्दछन्।
७	लक्ष्मीप्रसाद देवकोटाको साहित्यिक व्यक्तित्व र कृतित्वको अध्ययन गर्दै **यात्री** कविताको विश्लेषण गर्नु।	
८	धरणीधर कोइरालाको साहित्यिक व्यक्तित्व र कृतित्वको अध्ययन गर्दै **साहित्य सुधा** कविताको विश्लेषण गर्नु।	
९	बालकृष्ण समको साहित्यिक व्यक्तित्व र कृतित्वको अध्ययन गर्दै **के त्यसको कविता लेखूँ** कविताको विश्लेषण गर्नु।	
१०	अगमसिंह गिरीको साहित्यिक व्यक्तित्व र कृतित्वको अध्ययन गर्दै **छोरालाई** कविताको विश्लेषणात्मक समीक्षा गर्नु।	
११	लक्खीदेवी सुन्दास साहित्यिक व्यक्तित्व र कृतित्वको अध्ययन गर्दै **उत्सर्ग** कविताको विश्लेषणात्मक समीक्षा गर्नु।	
१२	तुलसी अपतनको साहित्यिक व्यक्तित्व र कृतित्वको अध्ययन गर्दै **साहित्यिक होली** कविताको विश्लेषण गर्नु।	
१३	कवि वीरेन्द्रको साहित्यिक व्यक्तित्व र कृतित्वको अध्ययन गर्दै **बिहान** कविताको विश्लेषण गर्नु।	

3RD SEMESTER
DSC – 3: नेपाली कथा

Sl. No.	Course Objective	Course Specific Outcome
१	कथाका तत्त्वहरूको सैद्धान्तिक विवेचना गर्नु।	१. कथाका सैद्धान्तिक पक्षबारे ज्ञान हासिल गर्ने छन्।
२	नेपाली कथाको विकासको सङ्क्षिप्त अध्ययन गर्नु।	२. नेपाली कथाका विकासको गतिविधि र उनीहरूको योगदानबारे अवगत हुन्छन्।
३	नेपाली कथाका प्रमुख प्रवृत्तिहरूको चर्चा गर्नु।	३. नेपाली कथा साहित्यमा देखापरेका विविध प्रविधि र प्रवृत्तिहरूको ज्ञान हुन्छ।
४	गुरुप्रसाद मैनालीका कथागत विशेषताको चर्चा गरेर उनको परालको आगो कथाको विश्लेषण गर्नु।	४. कथामा अन्तर्निहित भाव विचार नैतिक मूल्यलाई ग्रहण गर्ने क्षमता विकसित हुन्छ।
५	रूपनारायण सिंहका कथागत विशेषताको चर्चा गरेर उनको मिस्टर एच बी ब्याङ्केट कथाको विश्लेषण गर्नु।	५. विद्यार्थीहरूमा कथा लेखनबारे सिर्जनात्मक शक्तिको विकास हुन्छ।
६	विश्वेश्वरप्रसाद कोइरालाका कथागत विशेषताको चर्चा गरेर सिपाही आगो कथाको विश्लेषण गर्नु।	६. गुरुप्रसाद मैनाली, रूपनारायण सिंह, विश्वेश्वरप्रसाद कोइराला, शिवकुमार राई, हायमनदास राई किरात, इन्द्रबहादुर राई, वीरविक्रम गुरुङ, परशुराम रोका, पूर्ण राई र त्रिलोक राईका कथा प्रवृत्ति, योगदान र उनीहरूका कथामा प्रस्तुत जीवन दर्शन एवम् समसामयिक समस्याहरूबारे परिचित हुन्छन्।
७	शिवकुमार राईका कथागत विशेषताको चर्चा गरेर उनको दिल्लीको सुर्मावाला कथाको विश्लेषण गर्नु।	
८	इन्द्रबहादुर राईका कथागत विशेषताको चर्चा गरेर उनको छुट्ट्याइयो कथाको विश्लेषण गर्नु।	
९	हाइमनदास राई किरातका कथागत विशेषताको चर्चा गरेर उनको विजय कथाको विश्लेषण गर्नु।	
१०	वीरविक्रम गुरुङका कथागत विशेषताको चर्चा गरेर उनको जोडटिङ्ग्रे कथाको विश्लेषण गर्नु।	
११	परशुराम रोकाका कथागत विशेषताको चर्चा गरेर उनको मृत्युकै मुखेन्जी कथाको विश्लेषण गर्नु।	
१२	पूर्ण राईका कथागत विशेषताको चर्चा गरेर उनको जय विजय	

	कथाको विश्लेषण गर्नु।
१३	डा त्रिलोक राईका कथागत विशेषताको चर्चा गरेर उनको अन्त म को कथाको विश्लेषण गर्नु।

NEPALI HONOURS & PROGRAMME COURSE
3RD SEMESTER
SEC – 1 A : रचना लेखन

Sl. No.	Course Objective	Course Specific Outcome
१	रचाना लेखनको अर्थ र स्वरूप स्पष्ट पार्दै यसको महत्त्वमाथि प्रकाश पार्नु।	१. रचना लेखनका सैद्धान्तिक विश्लेषणको अध्ययनबाट रचना कुन प्रकारमा कसरी लेख्ने भन्ने कुरामा ज्ञान प्राप्त हुनु।
२	विज्ञापन लेखनका अर्थ, प्रकार र लेखन विधिबारे विश्लेषण गर्नु।	२. विज्ञापन लेखनको सैद्धान्तिक र व्यावहारिक दुवै प्रकारका अध्ययनले विज्ञापन लेख्ने कौशल प्राप्त हुनु।
३	सारांश लेखनको अर्थ र लेखन विधिबारे चर्चा गर्नु।	३. विद्यार्थीहरूमा अभिव्यक्ति क्षमताको विकास हुनु।
४	पत्र लेखन विधि र पत्रका प्रकारहरूबारे सैद्धान्तिक चर्चा गर्दै व्यावहारिक लेखनको अभ्यास गराउनु।	४. विद्यार्थीहरूमा मौलिक लेखनको क्षमता वृद्धि हुनु।
५	रेडियो लेखनका विधि र विविध प्रकारहरूको चर्चा गर्नु।	५. पत्र लेखन, निबन्ध लेखन, रेडियो लेखन,संवादलेखन,साक्षात्कार लेखन,समाचार लेखनबारे ज्ञान प्राप्त हुनु।
६	निबन्ध लेखनका स्वरूप, प्रकार र प्रमुख तत्त्वहरूबारे विवेचना गर्दै यससम्बन्धी व्यावहारिक कार्यको अभ्यास गराउनु।	६. रचना लेखनको प्रयासले साहित्य लेखनको आधारशिला बन्दछ र साहित्यको विकासमा मद्दत पुग्दछ।
७	साक्षात्कारका परिचय, प्रकार, उद्देश्य, प्रविधि र महत्त्वबारे प्रकाश पारेर अभ्यासमूलक ज्ञान प्रदान गर्नु।	
८	समाचारको परिचय, तत्त्वहरू, प्रकारहरू र स्रोतहरू उल्लेख गर्दै समाचार लेख्ने विधिको विवेचना गरेर अभ्यास पनि गराउनु।	

4TH SEMESTER
DSC – 4: नेपाली उपन्यास

Sl. No.	Course Objective	Course Specific Outcome
१	उपन्यासका तत्त्वहरूका सैद्धान्तिक विवेचना गर्नु।	१. उपन्यासका सैद्धान्तिक पक्षहरूका ज्ञान र बोध हुनु।
२	नेपाली उपन्यासका उद्भव, विकास,विशेषता र प्रमुख प्रवृत्तिहरूको विश्लेषणात्मक अध्ययन गर्नु।	२. नेपाली उपन्यासको विकास र प्रमुख प्रवृत्तिहरूबारे जानकारी प्राप्त हुनु।
३	रुपनारायण सिंहका उपन्यासकारिता,प्रवृत्ति र योगदानको चर्चा गर्दै **भ्रमर** उपन्यासको विवेचना गर्नु।	३. भारतीय नेपाली उपन्यासको विकासक्रम र यसका विशेषताहरू के के हुन् ? भन्ने विषयमा रुचि बढ्नाका साथै अध्ययन-अनुशीलनतर्फ उन्मुख हुनु।
४	शिवकुमार राईका उपन्यासकारिता,प्रवृत्ति र योगदानको चर्चा गर्दै **डाक बङ्ला** उपन्यासको विवेचना गर्नु।	४. पाठ्य उपन्यासकारका औपन्यासिक कृतिमा प्रस्तुत विषयवस्तुबारे ज्ञान हुनु।
५	लीलबहादुर क्षेत्रीका उपन्यासकारिता,प्रवृत्ति र योगदानको चर्चा गर्दै **बसाइँ** उपन्यासको विवेचना गर्नु।	५. विद्यार्थीहरूमा अध्ययन,लेखन र चिन्तनका अभिक्षमताको विकास हुनु।
६	प्रकाश कोविदका उपन्यासकारिता, प्रवृत्ति र योगदानको चर्चा गर्दै **चालिस दिन** उपन्यासको विवेचना गर्नु।	

5TH SEMESTER
DSC-1 B: भारतीय नेपाली साहित्य र साहित्यकार

Sl. No.	Course Objective	Course Specific Outcome
१	भारतीय नेपाली साहित्यको सङ्क्षिप्त इतिहासको लेखाजोखा गर्नु।	१. भारतका नेपाली साहित्यको स्थिति, अवस्था, प्रवृत्ति र गतिविधिबारे विस्तृत जानकारी प्राप्त हुँदछ।
२	खण्डकाव्यकारका रूपमा अगमसिंह गिरीको चर्चा गरेर *याद* खण्डकाव्यको सारगर्भित विवेचना गर्नु।	२. अगमसिंह गिरीको साहित्यिक यात्रा, योगदान, काव्य प्रवृत्ति तथा *याद* खण्डकाव्यको केन्द्रीय मर्म र शिल्प शैलीबारे ज्ञान प्राप्त हुँदछ।
३	रूपनारायण सिंहको कथाकारिताको विवेचना गर्दै *बिग्रेको बाहुन* र *बितेका कुरा* कथाको विश्लेषण गर्नु।	३. रूपनारायण सिंहको साहित्यिक व्यक्तित्व, योगदान, कथाकारिता तथा उनका पाठ्य कथाहरूका विषयमा यथोचित ज्ञान प्राप्त हुँदछ।
४	इन्द्रबहादुर राईका कथागत प्रवृत्तिका चर्चा गर्दै उनका *रातभरि हुरी चल्यो* र *घोष बाबु* कथाको विवेचना गर्नु।	४. इन्द्रबहादुर राईका विविध पाटा, लेखनगत प्रवृत्ति, प्रविधि र उनका पाठ्य कथाहरूमा अन्तर्निहित भाव र शैली पक्षबारे अवगत हुँदछ।
५	लीलबहादुर क्षेत्रीको उपन्यासकारिताको चर्चा गर्दै *अतृप्त* उपन्यासको विवेचनात्मक अध्ययन गर्नु।	५. लीलबहादुर क्षेत्रीको साहित्यिक व्यक्तित्व, कृतित्व,
६	रामकृष्ण शर्माको समालोचकीय कार्यबारे चर्चा गर्दै *कवि र साहित्यिक रुचिको प्रौढता* समालोचनाको समीक्षात्मक	

51

	अध्ययन गर्नु।	औपन्यासिक प्रवृत्ति एवम् अतृप्त उपन्यासका विविध पक्ष तथा शिल्प कौशलबारे अवगत हुँदछ।
७	राजनारायण प्रधानको निबन्धकारिताको चर्चा गरेर उनका हास्य र भानुभक्त निबन्धको चर्चा गर्नु।	

6TH SEMESTER
DSE-2A: नेपाली निबन्ध

Sl. No.	Course Objective	Course Specific Outcome
१	निबन्ध र निबन्धका तत्त्वहरूको परिचय प्रस्तुत गर्दै नेपाली निबन्धका प्रमुख प्रवृत्तिहरूको विश्लेषणात्मक अध्ययन गर्नु।	१. विद्यार्थीहरू निबन्धका अर्थ, परिभाषा, तत्त्व अनि नेपाली निबन्धका प्रमुख प्रवृत्तिहरूबारे ज्ञान हासिल गर्दछन्।
२	लक्ष्मीप्रसाद देवकोटाको हाय हाय अङ्ग्रेजी, हृदयचन्द्रसिंह प्रधानको जुँघा, रामकृष्ण शर्माको कविको धन, शङ्कर लामिछानेको देवताको काम, तारानाथ शर्माको प्यारिसको पोक्ची, भैरव अर्यालको कवि चम्खेलजी एक शब्द चित्र, रामलालको अधिकारीको पढेको मूर्ख निबन्धहरूको विश्लेषणात्मक अध्ययन गर्नु।	२. नेपाली निबन्धको विकासमा पाठ्यक्रममा आधारित निबन्धकारहरूको योगदानबारे बुझ्ने छन्।
		३. विद्यार्थीहरूले पाठ्यक्रममा आधारित निबन्धहरूको रसास्वादन गर्ने अवसर प्राप्त गर्छन्।

Course Specific Outcomes

B.A Philosophy Honours & Program Courses under CBCS System

Sem.	Course Code & Course Name	Course Title	Course Specific Outcomes
Sem I	CC 1/DSC 1/2 - Indian Philosophy I .	UNIT I Nature of Indian Philosophy: Plurality as well as common concern (some Basic concepts of Vedic and Upanisadic world-views: Atman, Jagrata, Svapna, Susupti, Turiya, Brahman, Karma, Samsara, Mukti.) UNIT II Cārvāka: Epistemology, Metaphysics & Ethics UNIT III Jainism: Anekāntavāda ,Syādvāda and Nayavada, bondage and liberation UNIT IV Buddhism: Four Noble Truths and Doctrine of Dependent Origination, Momentariness & Non-Soul theory UNIT V Nyāya: Theory of Pramanas, Individual Self & its Liberation UNIT VI AdvaitaVedānta of Śaṃkara: Nature of Brahman and Māyā Viśiṣṭādvaita of Rāmānuja: Nature of Brahman and Refutation of Māyā	1. After completion of the study of this paper students should be able to identify the very fundamental structure of Indian schools of philosophical thoughts with a prior introduction of Upanishadic Philosophy and other philosophical undercurrents of that time. Students also be aware with Indian philosophical methodology of reasoning as well as classification of Six systems of Philosophy as orthodox and heterodox systems. Along with this, students also become aware of indian philosophical concepts of karma, causation, liberation and our ancient indian tradition of *Tarka, Vada, Nyaya* etc.
Sem I	CC 2/DSC 1/2 Logic (Western) - I	UNIT I: Basic Logical Concepts 1. Sentence and Proposition 2. Argument and Inference 3. Truth and Validity. 4. Deduction and Induction UNIT II: Aristotelian logic: 1. Definition of Term 2. Connotation and denotation of terms 3. Categorical Propositions , Distribution of Terms 4. Concept of Mediate & Immediate Inferences 5. Conversion, obversion, contraposition 6. Square of Opposition and the	After successfully Completion of this Course Students will be able to … 1. Students will be able to think critically and logically. 2. From this course students will get knowledge about traditional and Aristotelian logic. 3. Having completed the course of Western Logic, students demonstrate proficiency in critical thinking and understanding of deductive and inductive reasoning and competence in the basic analytical methods of logic.

		Existential Import 7. Mediate Inference: Categorical Syllogism: Mood, Figure, Rules of Syllogism and Formal Fallacies 8. Validating / Invalidating Categorical Syllogisms through syllogistic rules &Venn Diagrams UNIT – III: (A) LOGIC OF COMPOUND PROPOSITIONS (Sentential): 1. Logical Connectives: And (•), Or (V) and Not (~) 2. Material Conditional (ﬤ (and Biconditional (≡) 3. Truth functions: Symbols and Translation 4. Statements and statement-forms: Logical status 5. Arguments and argument-form: Validity or Invalidity (B) PROVING VALIDITY (PROOF PROCEDURE) 1. Formal Proofs & Reductio Ad Absurdum UNIT – IV: 1. Induction per Simple Enumeration 2. Argument by Analogy, Appraising Analogical Arguments	4. Identify premises and conclusions in both formal as well as informal proofs, and demonstrate an awareness of the limits of deductive forms as well as linguistic ambiguities. 5. The student not only gains knowledge of traditional Aristotelian logic but also of symbolic logic--the use of symbols, the truth-functions and using truth-tables for testing the validity of arguments and statement-forms. It helps to develop a critical and logical mental attitude. 6. This course helps the student to learn logical analysis, deduction and develop a rational bend of mind. The student not only gains knowledge of traditional Aristotelian logic but also of symbolic logic----the use of symbols, the truth-functions and using truth-tables for testing the validity of arguments and statement-forms. It helps to develop a critical and logical mental attitude.
Sem II	CC 3/DSC 1/2 Western Philosophy - I	UNIT-I 1. Socratis: Origin and method of knowledge, Virtue is Knowledge (Socrates) 2. Plato: Justice in the state and individual (Plato's Republic: An overview of the Part I), chapter: V, XI, XII, XIII, XIV. 3. Aristotle: Theory of Form and Matter, Potentiality and Actuality, Theory of Causation. UNIT- II 1. Descartes : Method of Doubt, Cogito Ergo Sum, Mind body Dualism 2. Spinoza: Intellectual love of God and Substance, Attribute 3. Leibnitz : Monadology , Truths of fact and Truths of Reason	1. Modern Western philosophy begins with the Renaissance where it left the theistic approach and become analytical with scientific approach. So, the aim of this paper is to impart the learners with basic knowledge of origin and development of Western Philosophy. 2. Studentsare also acquainted with the salient features of rationalism, empiricism, and Kantian philosophy. 3. This paper seeks to do three things: 1. it will enable students to witness how philosophers who were either predecessors or contemporaries evaluated the theories of others, thus will advise them in distinguishing good arguments from bad arguments. 4. it will enable students to have a better understanding of how a man thinks and what goes on into the making of human thought. 5. It will also make students aware that there is no place for superficial approach to the complex questions in life.
Sem II	CC 4/DSC 1/2	UNIT I	After successfully Completion of this

54

	Ethics	1. Definition, Nature and scope of Ethics. 2. Statement of fact & Statement of Value 3. Moral & Non-moral Actions 4. The nature and object of Moral Judgement 5. Postulates of Morality, Problem of Freedom of Will 6. Kant: Good Will, The Categorical Imperative 7. Utilitarianism: Bentham, J.S.Mill 8. Virtue Ethics (Aristotle) 9. Theory of Punishment UNIT II: INDIAN ETHICS 1. Four Puruṣārthas: Dharma ,Artha, Kāma, Mokṣa 2. Eight fold Path of Buddhhism 3. Jaina Ethics: Triratna, Panchamahabrata 4. Law of Karma, Concept of Rta and Rna	Course Students will be able to … 1. Students will develop critical insight on this Western Ethics. 2. Students can be familiar with ethical values such as right and wrong, virtue or vice, good or bad. 3. Western Ethics discusses about object of moral judgement and also about the Moral Theories of Plato and Aristotle. 4. Western Ethics also consists of Standards of Morality like Hedonism, Deontological Ethics and also of Theories of Punishment. 5. With completion of this paper students should be aware of logical concepts of ethics as a normative study which develops moral thinking in students. It also introduces notion of the ultimate aims of our human life in our students like concepts of *karmayoga*, purushartha in indian philosophical context. Students also be able to apply the concept of moral and non-moral actions as well as the differences between motive and intention in their everyday life. Students will also be able to relate their choices, actions and consequences to ethical decision-making. Learners will also be able to demonstrate enhancement in their understanding of the major approaches to ethics and their application to contemporary moral problems in society.
Sem III	CC 5 Indian Philosophy II	Unit-I Vaisesika :Padarthas ; Dravya , Guna , Karma , Samanya , Visesa, Samavaya, Abhava . Unit-II Samkhya : Causation ; Satkaryavada ; Prakrti , its constituents , arguments for its existence. Evolution ,Purusa , Arguments for its existence, plurality of Purusa . Unit-III Yoga : yoga, chitta ,chittyabritti , Astanga Yoga ; God. Unit-IV	After successfully Completion of this Course Students will be able to … 1. Students will gain detailed knowledge about the Outline of Indian Philosophy and the differents school of Indian thought like Cārvāka, Jainism and Budhhism as Nāstika schools on the other hand, Sāṁkhya, Yoga, Nyāya, Vaiśeṣika, Mimāṁsā and Vedānta as Āstika school. 2. The aim of this course is to improve the Upanisadic ideas among the students. 3. Students will be able to realize that there is something beyond the logical world.

		Mimamsa : Dharma, Anupalabdhi. Unit-V Advaita concept of three grades of satta; jiva, jivanmukti.	
Sem III	CC 6 Western Philosophy II	1. Locke : refutations of innate ideas, ideas and their classification, knowledge and its grades, substance, qualities; primary and secondary. 2. Berkley: rejection of abstract ideas ; rejection of the distinction between primary and secondary qualities, immaterialism ,esseest percipi, the problem of solipcism, role of God . 3. Hume: impression and ideas; causality; self and personal identity. 4. Kant : Conception of critical philosophy; classification of judgments; analytic, synthetic, apriori, aposteriori, possibility of synthetic apriori judgments; the forms of sensibility, intuition and concepts	After successfully Completion of this Course Students will be able to … 1. Students will be acquainted with the historical development of western philosophy. 2. They will become acquainted with Pre-Socratic Philosophers theories of Knowledge and that of metaphysics of Plato and Aristotle. 3. The Outline of Western Philosophy consists of the epistemological and metaphysical perspectives of the philosophers like Socrates, Plato, Descartes, Spinoza, Leibnitz, Lock, Berkeley, Hume and Kant. 4. Students will be acquainted with the concept of rationalism.
Sem III	CC 7 Logic (Western) - II		1. It enhances the logical reasoning and problem-solving skills. 2. It enhances the reasoning skills and develops ground for rejecting the wrong arguments on the basis of sound inferences. It creates ground for eliminating superstitious beliefs and creates ways for strong arguments. 3. This paper helps in good score that provides better rank in form of results. It trains the student to construct good arguments and also provides valid ground to reject the wrong ones. 4. This course helps in learning the various principles and methods of basic as well as higher logic. Through the development of its special symbols, this course (advanced logic) helps as an instrument for analysis and deduction. It helps in examining more complex arguments for deriving clear rational conclusions.This paper helps in good score that provides better rank in form of results. This is an appropriate paper for applying the

				logical/mathematical skill and to make use of artificial intelligence effectively.
Sem IV	CC Psychology	8	1. Definition and scope of psychology, nature of psychology as a science. Methods of psychology – subjective, objective and experimental. 2. Sensation : nature , classification and attribute of sensation. Weber and Fechner Law. 3. Perception : nature of perception and its relation to sensation. Gestalt theory of perception, perception of distance, solidity and motion, illusion and hallucination. 4. Percept and image : memory ,its factor and range ,marks of good memory. Law of association, forgetfulness and its causes. 5. Attention : its nature and types, conditions of attention. 6. Learning : the trial and error theory, the Gestalt theory, Pavlov's conditioned response theory. 7. Consciousness : conscious, sub – conscious, unconscious – its evidence, Freud's theory of dream. 8. Personality: Personality, Personality type. 9. Intelligence : measurement of intelligence; Binet –Simon test.	After successfully Completion of this Course Students will be able to … 1. Students will learn the basic concepts of the field of psychology with an emphasis on application of psychology in everyday life. 2. The students are introduced to the definition, nature and scope of psychology. They become acquainted with its different methods like introspection and extrospection. Sensation, perception, illusion and hallucination are the important topics in this paper. Emphasis is given on analyzing and clarifying the different theories of learning, philosophical theories of mind, consciousness, intelligence and personality. 3. Get acquainted with role, functions and qualities of effective counselor. 4. Become familiar with the various counseling problems. 5. Understand the process of counseling. 6. Provide basic counseling needs
Sem IV	CC 9 Philosophy of Religion		Unit-I : 1.The problem and scope of the philosophy of religion. 2.The origin of religion in the light of anthropology. 3.The psychological origin and development of religion. 4. Proofs for existence of God 5. Religious Consciousness 6.Summary of different Religions: Hinduism, Buddhism, Islam, Christianity, Universal Religion 7. Religion without God 8. Religious Knowledge: Reason, Revelation & Mysticism	After successfully Completion of this Course Students will be able to … 1. This course helps the students to understand the different religious traditions and their implications. 2. They are introduced to the theories of orthodox and heterodox schools of philosophy. Arguments for the existence and non-existence of God, the religious language etc. Basic tenets of Christianity and Islam and Hinduism are explained and analyzed. 3. This paper aids the students to have a proper awareness of different religious systems of the world, their key concepts, beliefs,

| | | Unit-II:
1. Concept of Bhakti and Dharma (Purva-Mimamsa), Concept of God (Samkara, Ramanuja) | communities and their historical-geographical concepts. Students also be aware of the different characteristics of Religion and Dharma and also their common internal value systems. Arguments for the existence and non-existence of God and peculiarity of religious language is the very significant aspect of this paper. This paper also discusses and criticizes the very basic but burning concepts of religion such as religious tolerance, religious conversion, unity of all religions, multiculturalism, possibility of universal religion and inter-religious understanding and communication etc... in order to establish the social harmony as well as logical consistency in ideological format of our nation and culture. For our religiously diverse society and environment, this paper will develop appropriate religious literacy in our students. |
| Sem IV | CC 10 Social and Political Philosophy | 1. Nature and scope of social philosophy.
2. Basic Concepts : Society, Social group, Community, Association and Institution.
3. Social group : its different forms .
4. Social codes : Religious and moral codes, custom and law, culture and civilization
5. Social class and caste : principles of class and class. Attitudes and class consciousness.
6. Political ideals : freedom, equality , justice ,liberty , democracy and its different forms.
7. The concepts of welfare state.
8. Individual and state.
9. Humanism : Rabindranath, Vivekananda
10. Socialism and Marxism. | After successfully Completion of this Course Students will be able to …
1. This paper aids the students to have a primary concept of social and political philosophy like society, community, family, state, Association, caste, class, Democracy, socialism.

2. The student become familiar with the theories reading relation between individual and society, social change and progress etc. and also be aware of political ideologies like Democracy, Socialism.

3. This course is designed to develop infest among the student about the Contemporary social issues and theories like Ambedkar, Gandhiji's Satyagraha, Sasobodaya.

4. This paper also develops intercultural competence, knowledge of civic responsibility in students and ability to engage them effectively in society.
5. This particular paper covers the primary concepts of social and political philosophy like nation, state, welfare state, society, community, family, caste and class. The students become familiar with the theories regarding relation between individual and society, social change and progress etc. and also be aware of political ideologies like democracy, socialism, communism etc.
6. This course is designed to develop interest |

			among the students about the contemporary social issues and concerns. This paper will also develop intercultural competence, knowledge of civic responsibility in students and ability to engage themselves effectively in society.
Sem V	CC 11 Tarkasamgraha	Indian Epistemology & logic Text - Tarkasamgraha with Dipika - Annambhatta Buddhikhanda (uptoSabdaPramana)	. After having done this course, the student is expected to have mastered the art of philosophically reading the given textual excertps and to understand the issues hermeneutically afresh, keeping in mind the dialogical and pluralistic nuances employed in the epistemic enterprise and also students will be helped to learn reasoning.
Sem V	CC 12 Analytic Philosophy I	Unit I: Chapter 1-MEANING AND DEFINITION: 1. Word-meaning & 2. Definition Unit II Chapter 1- MEANING AND DEFINITION: 3.Vagueness& 4. Sentence-meaning Unit III Chapter 2-KNOWLEDGE: 7. The sources of Knowledge & 8. What is Knowledge? Unit IV Chapter 4- EMPIRICAL KNOWLEDGE: 14. Testability and Meaning	The course in Analytic Philosophy for Hons., (C12), is designed keeping in view the following learning outcomes: 1. Introducing students to the primary thinkers of one of the most important and influential school of thought in Western Philosophy. 2. Acquainting students with the complex set of interconnected sub-traditions that Analytic Philosophy ramified into and which became equally influential in the twentieth century. 3. Inculcating young minds with the basic training associated with the tradition, such that it is prepared to engage in critical and reflective thinking. 4. Enabling students to reduce complex issues into simpler components that will facilitate clearer understanding
Sem VI	CC-13 Analytic Philosophy II	Bertrand Russell: The Problems of philosophy. (Selected Chapters) Unit I: Chapter I-2&3 Unit II Chapter 5 Unit III Chapter 15 Unit-IV A.J. Ayer- "The Elimination of Metaphysics"	After having done this course, the student is expected to have mastered the art of philosophically reading the given textual excertps and to understand the issues hermeneutically afresh, keeping in mind the dialogical and pluralistic nuances employed in the epistemic enterprise and also students will be helped to learn reasoning.
Sem VI	CC 14 Applied Ethics	UNIT I 1. Introduction to Applied Ethics 2. Environmental Ethics – Ecology, man – nature relationship, the environment and the human community, future	1. This course is designed to make students philosophically competent about their own decisions, to achieve clarity, develop comprehension skills and reach precision in arguments with reasons. A spectrum of issues ranging from morality, environment, real life situations, moral dilemmas and ongoing

		generation. UNIT II 1. Medical Ethics – Euthanasia, Suicide, Abortion, Principles of Medical Ethics, Informed Consent, Confidentiality. 2. Human Rights, Discrimination on the basis of sex, race, caste, religion. UNIT-III 1. Feminism – Introduction, historical background, nature of feminist movement. 2. Media Ethics	philosophical examination of the crisis in the field of artificial intelligence are a part of this course curriculum.
Sem IV	DSE 1 a. An Enquiry Concerning Human Understanding, David Hume Chapter II, III, IV, VII b. Gita	Arjunvishadayoga (sloka 1, sloka 29 – sloka 46) Samkhayoga (sloka 9 – Sloka 27)	1. Niskama Karma of Bhagabat Gita. 2. Karma- Yoga & Jnana Yoga. 3. Jnana &Vijnana. 4. Sattva-Raja-Tama Gunas. 5. Nature of Raja Yoga.
Sem IV	DSE 2: a. Philosophy of Mind b. Problems of Philosophy, Russell – (chapter 6-12)	1. Matter and Consciousness: The Ontological Problem: Dualism, Philosophical Behaviourism, Reductive Materialism (The Identity Theory), The Epistemological Problem: The Problem of Other Minds, The Problem of Self-consciousness., Artificial Intelligence: Computers: Some elementary concepts: The Piecemeal Approach 2. Philosophy of Mind: Interactionism, Parallelism, Person Theory	1. This course is completely based on nature and scope of philosophy of mind, mind and soul, nature or mental phenomena consciousness.After completing the course, the students will have 1. An overview of the most important directions within the philosophy of mind in the 20th century. 2. An insight into issues that connect philosophy of mind to modern cognitive science 3. An understanding to appreciate that how human thinking involves context constituted by the body. 4. An understanding that thinking extends beyond the brain and is embedded in the body's habitual encounters with the world. 5. A cognizance how concepts involve the role of sensory, motor, affective experiences and are thus embodied.
Sem VI	DSE 3 a. Feminist Philosophy b. Phenomenology and Existentialism	1. Feminism and its background 2. Feminis: Liberal and Radical view 3. Morality and Feminism 4. Ecofeminism 5. Women in workplace 6. Transgender Human Rights	1. Study of feminist philosophy arms the students with analytical skills to develop validarguments to counter gender discrimination, sexism and patriarchal dominance. The 2. Study of feminist philosophy is not only an empowering tool against gender oppressionbut also against other systems

		7. Epoche, Intentionality, Method of reduction. (Husserl) Existentialism 8. Jean-Paul-Sartre: Existence precedes essence, Being in itself and being for itself, Freedom, Bad faith. 9. Heidegger: Martin Heidegger. (1977). "The Question Concerning Technology". in Being and Nothingness, Part3, Chap.1 Sec IV. Hazel E. Barnes: New York. Pp . 340-51	of oppression such as race, class &color.
Sem VI	DSE 4 a. Contemporary Indian Philosophy b. Aesthetics	Swami Vivekananda: Universal Religion, Humanism R.N. Tagore: Religion of Man (Specific chapters: Chapter-I , Chapter-II, Chapter-X) M.K. Gandhi: Swaraj, Non-violence and Satyagraha (A) Western Aesthetics 1. Nature and Problems of Aesthetics; Definitions of Art – Plato, Croce, Collingwood, Roger Fry, Susanne K. Langer 2. Aesthetic Experience: Immanuel Kant: "Disinterested Satisfaction", Edward Bullough on "Physical distance". (B) Indian Aesthetics 1. The Theory of Rasa: Bharata's Rasa-Sutra (Natyasastra) , Historical Development (Lollat, Sankuka, Bhattanayak), kinds of Rasa. 2. The Theory of Dhvani (Dhanyloka) of Anandavardhana, Abhinavagupta–theory of Aesthetic experience as "Rasa" .	After successfully Completion of this Course Students will be able to … 1. The courses create an understanding on contemporary problems in Philosophy. 2. The courses introduce the thinkers of modern period like Vivekananda, Sri Aurabindo, Mahatma Gandhi, S. Radhakrishnan, M.N. Roy, etc. and their contributions to the philosophical richness of contemporary Indian thought. 3. This course is emphasizing on the modern Indian Philosophical concepts. 4. This fundamental of this unit is to develop the idea regarding Gandhian philosophy. 5. The Gandhian concept of truth, god, non-violence satygrah and sarvodaya. The aim of this course is to motivate them towards the non-violence action. 6. This will help learners to change their behavior towards others. 7. The advantages of this course are to provide the concept of god, man, nature of the world, religion, reality, Maya and etc.
SEM III	SEC 1- Basics of Counselling	1. Basic concept of Mental Health 2. What is Counselling? 3. Area and Scope of Counselling. 4. Qualities of counsellors? Difference between Psychiatrist and Psychotherapist/Counsellors. 5. Basic skills of Counselling: a. Listening – What is listening? Difference between hearing and listening, Why listening is important? Barrier to listening, attending and listening, what is the content of listening? (verbal	1. Students would gain knowledge about theoretical principles and practical processes in guidance and Counselling and would be able to apply these in research and professional areas. 3. Students would gain understanding of the applied and positive perspectives of Guidance and Counselling. 4. Students would gain proficiency in undertaking and reporting of psychological assessment and conducting guidance and counseling

		and non-verbal content, emotion), typrs of listening (Inactive, selective and active listening. b. Responding – Which are not counseellor's responses? (with example), which are counsellor's responses? (with example), internal and External frame of reference, what is communicaton? Types of communication, Assertive communication as a mode of counsellor's response. 6. How does counselling proceed? - Three basic attitudes/ conditions for succesful therapy/ counselling following Carl Rogers' Client-centered therapy approach – therapist/counsellor's genuineness or congruence, therapist/ counsellor's complete acceptance or unconditional positive reagrd for the cliient, empathic understanding by the therapist of the client's feelings. 7. Some major ethical issues of Counselling: a. Confidentiality: What is confidentiality? Moral dilemma centering confidentiality. b. Neutrality: What is neutrality? Moral dilemma centring neutrality.	programs/sessions. 5. Students would gain the requisite competencies and skills for providing Guidance and Counselling in varied spheres. 6. Students would understand the basics of Guidance and would be able to plan out guidance programs. 7. Students would be understand the nature and procedural aspects of Educational and Vocational guidance 8. Students would become sensitized to the nature of counseling along with the skills and responsibilities of a counselor. 9. Students would be able to plan and conduct counselling sessions.
Sem IV	SEC 2- Critical Thinking	UNIT I Rasvihary Das, Philosophical Essays, edited by Ramaprasad Das: Article: Pursuit of Truth Through Doubt and Belief, On Knnowledge, Self-Knowledge UNIT II Vada, Jalpa, Bitanda, Tarka, Samsaya, BislesakaPadhati	With diligent effort on their part, students will: 1. Recognize critical thinking as a process of identifying, analyzing, evaluating, and constructing reasoning in deciding what conclusions to draw or actions to take. And be able to do one or more of the following: 2. Identify reasoning as they apply it to general or discipline-specific questions or issues 3. .Analyze reasoning as they apply it to general or discipline-specific questions or issues. 4. Evaluate reasoning as they apply it to general or discipline-specific questions or issues. 5. Construct reasoning as they apply it to general or discipline-specific questions or issues. 6. Helps in generating productive/creative ideas for further use in difficult situation. 7. Creates enthusiasm for taking a risk of

			dealing with difficult issues and finding a way out for solution
			8. Provides valuable intellectual traits like how to critically read, listen and write and develop faith in reason and encourage a flair for fairness and justice. As a result a learner learns step by step how to arrive at an ideal solution keeping in mind all situational factors.
			9. Provides clarity in thinking as well as proper understanding of an issue to make it precise for further analysis.
			10. Helps to use the skills of observation, analysis and evaluation and also provides sound reason for doubting and questioning.
			11. Finally the learner becomes self-directed, self-monitored and self-corrective through this process of reflective thinking, and can proceed for right choice.
Sem III	GE I P1 - Fundamentals of Indian Philosophy	UNIT I: Introduction :i. Nature of Indian Philosophy ii. Division of Indian Philosophy :Astika and Nastika Systems. UNIT II: Carvaka: Epistemology, Metaphysics and Ethics. UNIT III: Bauddha Philosophy: Four Noble Truths, Theory of Dependent Origination UNIT IV: Samkhya: Causation : Prakriti : its constituents, arguments for its existence. Evolution, Purusa : arguments for its existence. UNIT V: Yoga Philosophy: Concept of Yoga, Citta and Cittabritti, Astanga Yoga. UNIT VI:Nyaya Philosophy: Pramanas: Pratyaksha and Anumana UNIT VII: Vaisesika Philosophy: Seven Padarthas	Course Learning Outcomes 1. Students of the B.A. (Honors) Indian Philosophy will understand the richness of Indian Intellectual Traditions through basic concepts such as Shruti (agama) and Smriti(Nigama), Karma, Jnana and Bhakti, Indian Idealism vs. Indian Materialism, Preyas, Shreyas and Nihsreyas etc 2. Students will appreciate the Indian Metaphysics of various ancient Indian schools such as Charvaka, Buddhism, Jainaism, Samkhya,Mimamsa and Vedanta. They will become aware of the Metaphysicsof various schools which will help them to understand the society at large. 3. In the unit III, students will gain familiarity with the epistemology of Jaina and Nyaya - Vaishesika system. Unit II and Unit III are interrelated in the sense that epistemology of a particular school can be understood through its metaphysics and vice-versa. 4. In Unit IV Students will learn to develop scientific, logical and rational inquiry for understanding the systems. Students will able to do a comparative analysis of all systems which will further enhance their debating skills. Students will develop the ability to think critically and to read and analyze scientific literature. 5. Students will develop strong oral and written communication skills through the effective presentation of Projects, Quiz as well as through Seminars.

Sem III	GE II P2 Western Logic	Unit I: Proposition, Categorical Proposition and classes: Quality, Quantity and Distribution. Unit II: Traditional Square of Oppositions. Unit III: Further immediate Inference: Conversion, Obversion and Contraposition. Unit IV: Existential Import of Propositions: Boolean Interpretation of Categorical Proposition. Translating categorical propositions into standard forms. Unit V: Categorical Syllogism: Figure, Mood, Testing syllogism for validity, Testing arguments by Venn Diagram. Unit VI: Symbolic Logic: The value of special symbols for conjunction, Negation and Disjunction, implications and material implications. Argument Forms and Argument statements. Truth-Table Method for testing arguments. Unit VII: Inductive Logic: Deduction & Induction, Analogy	1. Logic is fundamental to the way human beings communicate. Though our public debate and private reasoning are shaped by logical principles, we are not able to spell them out without a basic training in logic. 2. This Logic course helps the students to develop an understanding of the basic concepts of logic and language as well as familiarity with precise models of deductive reasoning. It includes theoretical as well as the applied aspects. Uses of language manage to differentiate the various applications of language effectively. Informal fallacies enables the students to understand the flaws in the arguments which we use in our day to day life. Identifying informal fallacies is very important nowadays to preserve one's intellectual sanctity in an increasingly media saturated world.	

Course Specific Outcomes

B.A Political Science Honours and Programme Course under CBCS System

Semester	Course Code	Course Title	Course Specific Outcome
1ST Semester Honours	DSC 101	Understanding Political Science	This course actually provides the basic foundation for understanding political phenomena. This is considered as a foundational course for those who are into the studies of political phenomena. This course helps the students to develop conceptual thinking and theorizing political phenomena. The understanding of the concept like state, sovereignty, equality, liberty, justice rights and obligations helps the students to develop critical thinking. It also provides the idea to the learner to explain and evaluate the condition of the society.
	DSC 102	Perspective on Public Administration	After completion of this course, the students will have a clear understanding of traditional and emerging theories and principles of public administration. This would also acquaint them with changing management practices in the light of expanding public works and the need for greater collaboration with non-state agencies
1st Semester Program	DSC101	Understanding Political Science	This course actually provides the basic foundation for understanding political phenomena. This is considered as a foundational course for those who are into the studies of political phenomena. This course helps the students to develop conceptual thinking and theorizing political phenomena. The understanding of the concept like state, sovereignty, equality, liberty, justice rights and obligations helps the students to develop critical thinking. It also provides the idea to the learner to explain and evaluate the condition of the society.
2nd Semester Honours	DSC 203	Indian Government and Politics	One of the most important aims of this course is to equip students of various disciplines with a basic understanding of the political system in India through the study of Constitution and government at different levels. Upon completion of this paper, students will develop an understanding of Constitution of India and the political system that exist in India. Further the student will have a general understanding about the relation of Constitution as a guiding document with the functioning of various governance institutions at central, state and local level.
	DSC 204	Western Political Thought	This paper helps the students to interpret ideas underlying traditions in Classical Political philosophy. As Western Political Thought has served as a Philosophical and Ideological foundation for government around the world which throw a light on historical, social and cultural context to relate to contemporary political society. This course will introduce the students with some of the central figures of the history of political thought: Plato, Aristotle, Machiavelli,

			Hobbes, Locke, Rousseau, Marx and others. It is taken into consideration that familiarity with the ideas or concept of some major western political thinker will help the student to understand different perspective and approaches to the state, politics, government, sovereignty, citizenship, civil society and so on. It will also help the student to understand the different ways of interpreting political text, the ability to assess the strengths and weakness of the text. This course facilitates the student to understand and evaluate the arguments of various political thinker compare and access competing interpretations of those thinkers
2nd Semester Program	DSC 203	Indian Government and Politics	One of the most important aims of this course is to equip students of various disciplines with a basic understanding of the political system in India through the study of Constitution and government at different levels. Upon completion of this paper, students will develop an understanding of Constitution of India and the political system that exist in India. Further the student will have a general understanding about the relation of Constitution as a guiding document with the functioning of various governance institutions at central, state and local level.
3rd Semester Honours	DSC 305	Comparative Politics	Tracing the evolution of Comparative Politics as a discipline and drawing a distinction between Comparative Politics and ComparativeGovernment. Investigating the nature and scope of Comparative Politics. Analyzing the different approaches and the models of comparison: systems analysis; structural functionalism; and institutional approach. Critically analyzing the features of a liberal democratic and socialist political system with focus on UK, USA and the People's Republic of China. - Discussing the features of a federal system with special reference toUSA and Russia. Conducting an intensive comparative study of the Executive (UK,USA, France and Russia); Legislature (UK, USA and the PRC); the Judiciary (UK, USA and PRC). Critically looking at the rights of the citizens of UK, USA and PRCfrom a comparative perspective. This will help the student to know how political system was studied earlier and how they do in contemporary times.
	DSC 306	Public Policy and Administration	This course helps the students to apply social science methods and policy analysis to practical problems of Government, communities, regions and global issues. Develop critical thinking about Public policy issue and the ability to conduct professional analysis of social, political, and economic structures and bureaucratic processes. Enhance the communicative skills and can interact productively with the diverse and changing workforce and citizenry. Further it will help the learner to participate in and contribute to te country's policy processes.
	DSC 307	Nationalism in	After studying this course the learner would be able to grasp the

	SEC 301	India	concept of nation, nationalism and self determination. Have better understanding of the role they play in recent political disputes. Discuss about the problem facing by the country and will be able to make democratic decision about various issues. Develop rational thinking truth and patriotism. Get acquainted with the sacrifices of our national heroes and understand the sense of collective belonging.
	SEC 301	Public Opinion and Survey Research	This paper trained the students to undertake research by familiarizing them with the basic and advance tools and techniques of field studies. It would also familiarize them with the philosophical foundation of research methods in social sciences. Upon completion of this paper, students will be able to design research projects, conduct field investigations and carry out experimental plus Qualitative research.
	GE 301	Reading Gandhi	The course examines the central tenets of Gandhi's thought. The student can draw a link between the life and work of Gandhi particularly the nature of the country between this experience and encounters in South Africa and his spearheading of India's freedom struggle. Explain the central tenet of Gandhi's thought and political practices such as Satya graham, non- violence, truth , ahimsa and swaraj and their significance against the backdrop of the political imagination of both his and present time Give an account of Gandhi's critique of modern civilization and his alternative conception of political social and economic order. Develop an appreciation of Gandhi's contribution to India's freedom struggle and the influence of his ideas and thought around the globe particularly relating to peace and non- violence movement for justice and equality
3rd Semester Program	DSC 305	Comparative Politics	Tracing the evolution of Comparative Politics as a discipline and drawing a distinction between Comparative Politics and Comparative Government. Investigating the nature and scope of Comparative Politics. Analyzing the approaches the approaches and models of comparison: systems analysis; structural functionalism; and institutional approach. Critically analyzing the features of a liberal democratic and socialist political system with focus on UK, USA and the People's Republic of China. Discussing the features of a federal system with special reference to USA and Russia. Conducting an intensive comparative study of the Executive (UK, USA, France and Russia); Legislature (UK, USA and the PRC); the Judiciary (UK, USA and PRC). Critically looking at the rights of the citizens of UK, USA and PRC from a comparative perspective. This will help the student to know how political system was studied earlier and how they do in contemporary times.
	SEC 301	Public Opinion and Survey Research	This paper trained the students to undertake research by familiarizing them with the basic and advance tools and techniques of field studies. It would also familiarize them

			with the philosophical foundation of research methods in social sciences. Upon completion of this paper, students will be able to design research projects, conduct field investigations and carry out experimental plus Qualitative research.
4th Semester Honours	DSC 408	Introduction to International Relations	After completion of this paper, the students will understand key concepts and concern in International relations including notably the way power is acquired and used globally and how states and non- states actors interact Become familiar with contemporary theories of International Relations. Develop the ability to evaluate and synthesize information from diverse and reliable sources.
	DSC 409	Political Sociology	Studying the concepts of Power, Authority and Legitimacy in thecontext o society. Examining social stratification through the index of class, caste and elite. Evaluating the impact of Religion on society. Relating Gender and Politics Classifying the different types of Political systems. Discussing the approaches to the study of Political Culture. Evaluating the different agents of Political Socialization. Evaluating the concept and types of Political Participation. Evaluating the concept of Political Development and Social Change-
	DSC 410	Political Theory: Concepts and Debates	Develop the basic understanding of the concepts like freedom, equality, Justice, rights and obligations. Learner will be able to understand the dimensions of shared living through these political values. Appreciate how these values and concepts enrich the discourse of political life sharpening their analytical skills in the process.
	SEC 402	Democratic and Legal Awareness	This paper tries to sensitize students in many legal aspects. After completion of this course the students and learner will gain awareness in many legal aspects. This course enlightened the students about various laws that are essential for protection of oneself from various problems, issues and criminal acts. this course promote consciousness of legal culture. It is a kind of civic education that comprises a range of activities intend to build public awareness and have an understanding about legal system. This will also prepare the students to serve the community .
	GE 402	Feminism: Theory and Practice	This course equips the student about various factors that led the discrimination of women in Patriarchal society. This course highlights the issue like women suffrage, gender equality, women's education and also position of women in public sphere. After completion of the course the student can analyze key issues affecting women through a transnational feminist perspective, including education, maternal health, productive and un productive work. The students will also be able to analyze the diversity of gendered experience to understand social structure and cultural pressure related to gender inequality. This course can equip learners and help to examine how gender , sex, race ,class , sexuality, age , ethnicity and other complex aspects identity

			affects on e status and self concept and use this knowledge to question events and situations occurring in everyday life.
4th Semester Program	DSC 404	Introduction to International Relations	After completion of this paper, the students will understand key concepts and concern in International relations including notably the way power is acquired and used globally and how states and non- states actors interact Become familiar with contemporary theories of International Relations. Develop the ability to evaluate and synthesize information from diverse and reliable sources.S
	SEC 402	Democratic and Legal Awareness	This paper tries to sensitize students in many legal aspects. After completion of this course the students and learner will gain awareness in many legal aspects. This course enlightened the students about various laws that are essential for protection of oneself from various problems, issues and criminal acts. this course promote consciousness of legal culture. It is a kind of civic education that comprises a range of activities intend to build public awareness and have an understanding about legal system. This will also prepare the students to serve the community.
5th Semester Honours	DSC 511	Understanding Global Politics	After successfully completing the course the students will be able to identify key issues, events, developments and trends that characterize the contemporary global phenomena. The paper also tries to explain key historical processes that informed and shaped key issues, events, developments and trends in contemporary international politics. The students will also be able to examine and evaluate different interpretations of political issues and can identify solutions of the problems.
	DSC 512	Indian Political Thought	This course is one of the core course of BA Political Science Honours which impart the full knowledge about different ideologies of the leaders of the country. This course also gives the detailed idea about how our freedom fighters liberate the people from the cocoons of traditional practices. After the successfully completion of the course the student will be able to critically analyze the different conceptual thinking of our leaders and theorist. The course also highlighted different movements that take places in different part of the country. it reflects the actual condition of country during colonial period and compels the students to think about different transitional phase that country experienced.
	DSE 501A	Party System in India	This course intends to explain the nature of the party system of India. It basically aims at providing the information to the students of political science and the learner alike, about the fundamental feature underlying the formation of the party system in the post-independence era. After completion of this course the students will be able to understand the nature of the party system . they can also identify the socio-economic and political factor that is responsible for changing nature of Party politics
	DSE 501B	Human Rights	This course enables students to develop a theoretical understanding of the concept of Human Rights. It gives a historical and global perspective on human rights. The course outline also contains a detailed institutional framework set up to deal with human rights violations. The inclusion of an understanding of rights of various vulnerable sections of

			society gives within the human rights perspective provides a global testimony to importance of rights to al
Choose any A or B	DSE 502A	Electoral Process in India and Working of Parliamentary Democracy	The Electoral process is one of the most fundamental elements of representative democracy. Going through this course the students will be able to enlighten themselves about crucial moment in parliamentary democracy and how our representatives are elected. They will come to know how important is the electoral system in the political process and citizens commitment to the political process is an important factor that is needed to be taken into consideration. The students can also figure out that the electoral system can also have an effect on the way ethnic, linguistic and religious minorities are elected.
5th Semester Program Choose any A or B	DSE 501A	Human Rights	This course enables students to develop a theoretical understanding of the concept of Human Rights. It gives a historical and global perspective on human rights. The course outline also contains a detailed institutional framework set up to deal with human rights violations. The inclusion of an understanding of rights of various vulnerable sections of society gives within the human rights perspective provides a global testimony to importance of rights to al
	DSE 502B	International Organization	Upon successful completion of the course, the students will have the knowledge and ability to demonstrate knowledge and critical understanding of the major traditional and critical idea about International relations on International organizations. The students will also understand the historical development of international organization and how they tackle different issues that need deem considerations..
	SEC 501	Public Opinion and Survey Research	This paper trains the students to undertake research by familiarizing them with the basic and advance tools and techniques of field studies. It would also familiarize them with the philosophical foundation of research methods in social sciences. Upon completion of this paper, students will be able to design research projects, conduct field investigations and carry out experimental plus qualitative research.
	GE 501	Reading Gandhi	This paper trained the students to undertake research by familiarizing them with the basic and advance tools and techniques of field studies. It would also familiarize them with the philosophical foundation of research methods in social sciences. Upon completion of this paper, students will be able to design research projects, conduct field investigations and carry out experimental plus Qualitative research.
6th Semester Honours Choose any A or B	DSC 613	India's Foreign Policy in a Globalised World	The course examines the central tenets of Gandhi's thought. The student can draw a link between the life and work of Gandhi particularly the nature of the country between this experience and encounters in South Africa and his spearheading of India's freedom struggle. Explain the central tenet of Gandhi's thought and political practices such as Satya graham, non- violence, truth , ahimsa and swaraj and their significance against the backdrop of the political

			imagination of both his and present time Give an account of Gandhi's critique of modern civilization and his alternative conception of political social and economic order. Develop an appreciation of Gandhi's contribution to India's freedom struggle and the influence of his ideas and thought around the globe particularly relating to peace and non- violence movement for justice and equality
	DSC 614	Political Ideology	After completion the students can able to learn the ideas of great Political Thinkers of ancient as well as modern period. To understand the concept of communitarians, Multiculturalism, Liberalism etc. Multiculturalism is a situation in which all the different cultural or racial groups in a society have equal rights and opportunities. It helps the students to understand the importance of equality of different cultures.
	DSE 603A	India and Her Neighbours	The course intends to make the students familiarize with the process how India develops their relationship with her neighbors. This also led the learner to develop the critical thinking about India's foreign policy. it is important for the country like India to understand the development strategies being pursued by the neighbors as they share the relatively economic space in world market. This will compel the students to think about the India's developmental experiences with its neighboring countries especially with Pakistan and China
	DSE 603B	Development Process and Social Movement in Contemporary India	Student can learn how to stands for the rejection of the old tradition Hindu social order based on untouchability, socioeconomic inequality casteism, unscientific and irrational religious beliefs and customary servitude. They can speak for the acceptance of a new social order based on equality, liberty and social justice, scientific and rational religious or moral principles, and social, economic, cultural and political development of the Dalit
	DSE 604A	Grass Root Democracy in India	This course intends to equip the students with the ideas of democratic decentralization and people's Participation. By understanding rural local self government, one can develop the basic idea about the functioning of the government and how it facilitates the people's participation through this institution. The Panchayat system is adopted to cater local needs of the people so getting information about the idea on working of Panchayat may favor the student in obtaining their basic requirement.
	DSE 604B	Emerging Trends in Indian Politics	This course reflects the essential theme in Indian Politics. This course often intends to make students aware about the newly emerging trends in Indian Politics and how it influence the Country's politics , its leaders, parties and institutions and would be integrated in political policy in the foreseeable future. The students will also get acquainted with the changing rules and regulations of the state. The student can also realize the significance of understanding the factor guiding the day to day life>
6th Semester Program Choose any	DSE 603A	India and Her Neighbours	The course intends to make the students familiarize with the process how India develops their relationship with her neighbors. This also led the learner to develop the critical thinking about

A or B			India's foreign policy. it is important for the country like India to understand the development strategies being pursued by the neighbors as they share the relatively economic space in world market. This will compel the students to think about the India's developmental experiences with its neighboring countries especially with Pakistan and China
	DSE 604B	Grass Root Democracy in India	This course intends to equip the students with the ideas of democratic decentralization and people's Participation. By understanding rural local self government, one can develop the basic idea about the functioning of the government and how it facilitates the people's participation through this institution. The Panchayat system is adopted to cater local needs of the people so getting information about the idea on working of Panchayat may favors the student in obtaining their basic requirement.
	SEC 602	Democratic and Legal Awareness	This paper tries to sensitize students in many legal aspects. After completion of this course the students and learner will gain awareness in many legal aspects. This course enlightened the students about various laws that are essential for protection of oneself from various problems, issues and criminal acts. this course promote consciousness of legal culture. It is a kind of civic education that comprises a range of activities intend to build public awareness and have an understanding about legal system. This will also prepare the students to serve the community.
	GE 602	Feminism: Theory and Practice	This course equips the student about various factors that led the discrimination of women in Patriarchal society. This course highlights the issue like women suffrage, gender equality, women's education and also position of women in public sphere. After completion of the course the student can analyze key issues affecting women through a transnational feminist perspective, including education, maternal health, productive and un productive work. The students will also be able to analyze the diversity of gendered experience to understand social structure and cultural pressure related to gender inequality. This course can equip learners and help to examine how gender , sex, race ,class , sexuality, age , ethnicity and other complex aspects identity affects on e status and self concept and use this knowledge to question events and situations occurring in everyday life

<p style="text-align:center">**Course Specific outcomes**
B.A Sociology Programme Course under CBCS System</p>

B.A SOCIOLOGY PROGRAMME

1ST SEMESTER: DSC1 (INTRODUCTION TO SOCIOLOGY) (CREDITS: 6)

Course Specific outcome:

- The students will be familiar with nature, scope and history of discipline.
- It will help them to understand the growing importance of studying sociology.
- They learn some basic concepts and can differentiate the sociological meaning of such concepts from ordinary usages.

2nd SEMESTER: DSC2 (SOCIOLOGY OF INDIA)

Course Specific outcome:

- The student will understand the India's Cultural history and the history of caste system.
- It will help them to understand the concept of Unity in Diversity in Indian context.
- The importance of social movements for identities and change will be highlighted.
- The relationship between State and Society will be discussed.
- They become familiar with some burning issues of Indian Society.
- Deep understanding of problems of marginal section of Indian population.

3rd SEMESTER: DSC3 (SOCIOLOGICAL THEORIES)

Course Specific outcome:

- They will know the plurality of various sociological perspectives.
- The importance of theory will become familiar with the basic theoretical orientation in sociology.
- They understand the distinctiveness of each theoretical orientation in society.
- The understanding of evolution of society through theory will be relatable.

4th SEMESTER: DSC 4 (TECHNIQUES OF SOCIAL RESEARCH)

Course Specific outcome:

- The student will understand the importance of social research in the society.
- They will have the idea of how to conduct research through various exercises.
- The different method of data collection and their applicability while conducting social research will be known.
- The knowledge of basic research design will be known.

- The students will be familiar with all the basic concepts related to social research while studying this paper.

5ᵗʰ SEMESTER: DSE-01a (RELIGION AND SOCIETY)

Course Specific outcome:

- The students will have a knowledge about religion and its relationship with the state and society.
- The nature of religion in India and its pluralistic scope will be discussed.
- They will be familiarized with the concept of secularism.
- The impact of negative impact of communalism in society will be discussed and try to find the solution to it.
- Students will have knowledge about how religion have shaped the evolution of the society.
- The importance of religion in individual life through sociological perspective is viewed.

6ᵗʰ SEMESTER: DSE-02a (SOCIAL STRATIFICATION)

Course Specific outcome:

- The students will know about the different form of social stratification related to race, ethnicity, and caste in the society.
- They understand the different approaches of social stratification.
- Social and cultural construction of gender and how this causes stratification between the two sexes will be highlighted.
- They will know both the negative and positive side of existence of social stratification within the society.
- The students understands the concept of social mobility.

5ᵗʰ SEMESTER PROGRAM: GE-01a (GENDER AND VIOLENCE)

Course Specific outcome:

- The students will understand the social construction of gender in the society.
- They will be familiar with the origin of violence in relation to inequality of gender.
- Different form of violence like sexual, domestic, workplace harassment will be discussed.
- They will know the Politics and public policy regarding gender violence.

6ᵀᴴ SEMESTER: GE-02a (POPULATION AND SOCIETY)

Course Specific outcome:

- The student will have knowledge about demography its nature and scope.

- They will have the knowledge about how population studies is important for society to function smoothly.
- They will learn the outcome of overpopulation and under population and its impact in society.
- The concept of fertility, mortality and migration is discussed and their impact in population is closely looked upon.
- The student will understand population studies through different theories given by renowned theorist.
- They will be enlighten will population dynamics and development through this paper.
- The causes of poverty in state and its relationship with increasing population will be explained.

SKILL ENHANCEMENT COURSE

SEC-01 (SOCIOLOGY OF MEDIA) (CREDITS-2)

Course Specific outcome:

- They realize the growing significance of media in the context of framing the day to day world in individual life.
- The importance of media in rapidly evolving society will be discussed.
- The influence of social media and it's inter connectedness in daily work will come into highlight.
- The students will understand how fast the society is growing toward electronic forms of communication and the medium is through internet.
- The important question of how media and individual life is getting tangled up will be discussed.

SEC-02(VISUAL SOCIOLOGY)

Course Specific outcome:

- The students will understand the importance of visual reality to understand the social world.
- The learning process is not only through writing but also through seeing is realized through this paper.
- The construction of social reality through seeing comes before talking and the image set up in our mind creates the environment which we live in, this is what they learn through this paper.
- Documentary photography, photo journalism, poster design, film review etc. is discussed in this paper.

Course Specific Outcomes
B.A Tibetan Programme under CBCS System

Semester	Course Code and Name	Course Title	Course Specific Outcome
1st sem	DSC-1-P1/ GE-01 Introduction to Tibetan Grammar & History of Tibetan Script.	1. Colloquial Tibetan (A Textbook of the Lhasa Dialect) Tsetan Chonjore & Andrea Abinanti Sarat Chandra Das: Introduction to the Grammar of the Tibetan Language. Delhi, 1996.	1. All kind of Indian Buddhist literatures were preserved in Tibetan language since 8th century A.D. 2. This is the official Buddhist language in Tibet, Bhutan, Mongolia, Himalayan region and china. 3. Tibetan language is one of the important faculties in many Universities and Colleges in India and U.S.A and Europe.
2nd sem	DSC1 –P2/ GE-02 Poetry	1. Buddhadever Prati & Buddhajanmotsava from the text sNyan ngag bsdus pa (collection of poem) by Rabindranath Tagore.	1. Concept of Interdependence: Buddha thought that all things are interconnected on each other for their existence. This teaching is relevant today because it high lights the interconnected nature of our world and the importance of considering the impact of our actions on other and the environment.
3rd sem	DSC1-P3 Hagiography (Indian Buddhist Masters)	1. Indian Pandits in the Land of Snow, Sarat Chandra Das 2. Thu'u Kan Chökyi Nyima: *grub mtha' shel gyi me long.* 3. Bu-ston Rinchen Drub: *bu ston chos 'byung* 4. Atisa and Tibet: Life & Works of Dipankara Srijnana in Relation to the History and Religion of Tibet with Tibetan Sources, Alaka Chattopadhyaya, trans. Lama Chimpa, MBD	1. Indian Buddhist Masters teach the human society to enrich their religious and spiritual knowledge and harmony. 2. By the help of Gurus, an individual can know the supreme reality of the universe. 3. Main goal or objective of Buddhism is to become enlightened and reach nirvana. These goals are being materialized by Indian Masters. Also, These Masters teach us to eliminate of all greed, hatred, and ignorance within a person.
4th sem	DSC1-P4 Prose Text in Tibetan.	1. mDo rgya cher rol pa (Lalitavistara Sutra), 7th Parivarta (The portion edited by Vidhushekhar Shastri in Bhota Prakash) 2. mDo rgya cher rol pa (Lalitavistara Sutra), 15th Parivarta (The portion edited by	1. Lalitvistara (Sanskrit) is a Sanskrit Buddhist text of great importance. Apart from being a biography of Buddha, originally of the Sarvastivada School of the Hinayana sect, it throws a considerable light also on the social and cultural history of India during the early centuries of the Christian era. 2. The *Lalitavistara,* apart from its importance for the religious history of Buddhism, throws some welcome light on the social conditions of India during the

		Vidhushekhar.Shastri in Bhota Prakash)	early centuries of the Christian era. It has already been stated that it contains the names of various alphabets.
5ᵀᴴ sem.	DSE-1 Tagore's Poem in Tibetan.	1. God ma chung chung (Samanya Kshati) by Rabindranath Tagore. 2. mChod pa byed pa mo (Pujarani) by Rabindranath Tagore. 3. Katha O Kahini (Bengali) by Rabindranath Tagore. the poem Pujarani 6. Meaning of the word Pujarani.	1. The Poem SAMANYA KSHATI describes the story of the opposition of the strong on the weak. The Maharshi did not hesitate to set fire to the poor people's houses, fueled by his ego for the happiness of the moment. Even after the poor subjects came in droves and complained to the king, the queen did not feel any remorse. 2. By this poem, people can know cruelty of the strong class of the society to weaker section. 3. By the poem Pujarini of Rabindra Nath Tagore, students can know the message that poetry first gives pleasure, than truth, hidden in complex imagery and philosophy. Its language is charged intense and sophisticated. Imagery in poetic works is that every poet should strive to achieve in his literary craft. Imagery is not the only sensory object the poem will convey to the readers. 4. By The poetry Katha oKahini of Rabindra Nath Tagore, students can know that how the poetry can be helped the student that poetry can be powerful teaching tool, helping student improve literacy. It can allow writers to express their emotions and allow readers to connect with those emotions. Associated with poetry and aesthetics, or the pursuit of what is beautiful in the world.
	SEC-1 Introduction to Tibetan Buddhist Culture.	1. Lectures on Tibetan Religious Culture by Geshe Lhundup Sopa (Lesson one) Dharamsala: LTWA.	1. The Tibetan cultural identity express itself in a variety of ways, including music, dance, philosophy, medicine, astrology and spiritual practice. All are characterized by the development of basic human values, such as love, compassion and non-violence.
6ᵀᴴ sem.	DSE-2 Tibetan Lhamo Opera.	1. gZugs kyi nyima'i rnam thar (Rupadityaya) (a portion edited by Vidhushekhar Shastri in Bhota Prakash).	1. Rooted in Buddhist teachings, the stories told in Tibetan opera recount the triumph of good and the punishment of evil and therefore serve a social teaching function for the community. This multifaceted representative of Tibetan art and cultural heritage also acts as a bridge among Tibetans in different parts of the country,

			promoting ethnic unity and pride.
	SEC-2 Introduction to Tibetan Buddhist Culture.	1. Lectures on Tibetan Religious Culture by Geshe Lhundup Sopa (Lesson one) Dharamsala: LTWA.	1. The Tibetan cultural identity express itself in a variety of ways, including music, dance, philosophy, medicine, astrology and spiritual practice. All are characterized by the development of basic human values, such as love, compassion and non-violence.

B. Sc. Botany Honours and Programme under CBCS System

Phycology and Microbiology (CC-1)

Course Learning Outcomes

Theory: Life as we know it would not exist without microorganisms. Microorganism play role in conservation and restoration biology of higher organisms. The microbial conservation is excellent model for understanding biological interactions and evolutionary history. Students would become familiar with the microbes and their impacts on society and environment. They would also know about the diverse forms of Algae, their thallus structure, classification, economic importance and their life cycles.

Practical: Students will be able to handle the compound microscope. They will also be able to focus the specimen properly under microscope. They will be able to identify, characterize and describe the given specimen with proper drawing and labeling. They will be able to differentiate the gram positive and gram negative bacteria after performing the gram reaction. They will be able to describe the ultra-structural features of bacteria and viruses.

Biomolecules and Cell Biology (CC-2)

Course Learning Outcomes

Theory: Students will be well equipped with knowledge of biomolecules of the cellular system namely, carbohydrates, lipids, proteins and nucleic acid, their function and role in wide spectrum of life processes in biological organisms. Understand the cell as structural and functional unit of life. Acquire detailed idea about cell components like cell wall and plasma membrane. Understand the structural organization and functional aspects of various cell organelles. Get the glimpses of cell division and the regulation of cell cycle.

Practical: Students will learn about the qualitative tests for carbohydrates, reducing sugars, non-reducing sugars, lipids and proteins. Observe plant cell structure and protoplasmic streaming under microscope. Apply the techniques like micrometry to measure the cell size. Study the phenomena of plasmolysis and de-plasmolysis and also the effect on membrane permeability. Prepare the slides of onion root tips and observe the cell division.

Mycology and Phytopathology (CC -3)

Course Learning Outcomes

Theory: Understand the world of fungi, lichens and pathogens of plants. Appreciate the characteristics of the fungi and lichens. Understand the ecological and economic significance of lichen. Understand the application of mycology in various fields of economic and ecological significance. Understand the economic and pathological importance of fungi, bacteria and viruses. Identify common plant diseases and their control measures

Practical: Hands on Training will help students learn use of microscope, mounting, section-cutting and staining techniques for the study of Fungi specimen. Making Drawings in Practical Records will enhance understanding morphological and structural details and related functional aspects in diverse fungi groups. Use of Illustrations, Photographs, Charts, Permanent Slides, Museum and Herbarium

Specimens.

Archegoniate (CC-4)

Course Learning Outcomes
Theory: The students will be made aware of the group of plants that have given rise to land habit and the flowering plants. Through field study they will be able to see these plants grow in nature and become familiar with the biodiversity. to my knowledge students should create their small digital reports where they can capture the zoomed in and zoomed out pictures as well as videos in case they are able to find some rare structure or phenomenon related to these plants.

Practical: To stain the specimen using double staining technique (Safranin and light green). Proper focusing the specimen under microscope. To draw diagrams (free hand drawing) of the specimen seen under microscope and they will learn to label the diagram properly.

Morphology and Anatomy of Angiosperms (CC-5)

Course Learning Outcomes
Theory: The students will be able to understand about the morphological features, both vegetative and reproductive, that will help in identification and differentiation between different taxa easy. They will also elaborately understand their differences in internal organizations and

the role of various tissues. Anatomical features are one of the major criteria in the field of plant taxonomy; therefore, learning these features will help students to correlate different parameters in terms of constructing phylogeny and to establish relationship between different related taxa.

Practical: The students will learn the technique as how to take the transverse and longitudinal sections of stem, root and leaf. Further, they will learn the differences of anatomical features between stem, root and leaf. On the basis of these details they will also be able to differentiate between monocot and dicot stem. They will learn every possible detail of tissue systems, both by live hand cutting sections and through photograph/permanent slides.

Economic Botany (CC-6)

Course Learning Outcomes
Theory: Students will be aware about the various economically important plants around us and their role in supplying all the prerequisite ingredients required for the wellbeing of mankind. The plants parts are used for the welfare of human. For greater importance utilizing of plants and plant products are considerable important due to ever increasing demand for food and clothing.
Practical: The plans of economic importance are kept in the laboratory as specimen, a student is expected to study their characters, identify the plant and the useful plant parts. The students should also be informed about different uses of the plant, cultivation, production and marketing statistics, etc.

Genetics (CC-7)

Course Learning Outcomes

Theory: Upon the completion of this course, students should be able to: Gather the knowledge about the process of heredity. Get the ideas about some common genetic disorders and their causes. Understand the phenomena such as extra-chromosomal inheritance, linkage and numerical & structural chromosomal aberration. Understand the role of genetic mechanisms in evolution.

Practical: Upon the completion of this practical course, students should be able to: Prepare temporary squash to study meiosis. Apply the probability and chi-square test to analyse Mendel's law and gene interactions through seed ratios. Understand various genetic traits studying the pedigree chart. Aware of human genetic traits and the diseases due to aneuploidy.

Molecular Biology (CC-8)

Course Learning Outcomes

Theory: The curriculum of this paper will provide a broad vision to the students about the molecular basis of living organisms. Students will have knowledge about the entire process of Central dogma of the cell, inclusive of their regulation and functioning in both eukaryotic and prokaryotic cell system.

Practical: Students will learn the process of medium preparation and culturing of E. coli. They will come to know how the genomic DNA is isolated from living cell and can be quantified spectrophotometrically. Students will be able to identify various modes of replications, experiments associated with establishment of nucleic acid as genetic material and types of splicing mechanisms.

Plant Ecology and Phytogeography (CC9)

Course Learning Outcomes

Theory: The course introduces the concepts and principles of ecology, the role of different ecological factors (viz. soil, water, temp. etc.) in sustaining life and the biotic interactions existing in various ecosystems. It also provides detail information about ecosystem, functional aspects of ecosystem which includes the concepts like principles and models of energy flow, biogeochemical cycles, and the ecological speciation. It helps to understand the ecological context in which the species may have evolved and the process involved like the ecological succession. The course wraps up with a brief highlights on the unit –Phytogeography which is a branch of botany that deals with all aspects of geographical distribution of plants, from the controls on distribution of species to the factors that govern the composition of entire communities and flora.

Practical: On completion of a course, students will be able to: Understand the working principles of instruments that measure microclimatic variables. Analyse the various aspects of soil viz. determination of pH, analysis for carbonates, chlorides, nitrate and sulphate content. Make a comparative study on bulk density, porosity and rate of infiltration of water in soil of three habitats and also to determine dissolved oxygen of water samples from polluted and unpolluted sources. Study morphological adaptation of hydrophytes and xerophytes and the biotic interaction of some specimens. Study the herbaceous vegetation in college campus by species area curve method.

Plant Systematics (CC-10)

Course Learning Outcomes

Theory: Students will be able to identify the locally available plant specimen and they will also be able to understand the Classical as well as the Modern Phyllogenetic Systems of Classifications. Stress has been given to make aware about the ICN, type concepts, valid publication, principles of priority and its limitations, the roles of various features like palynology, cytology, molecular data, morphology etc., in relation to taxonomy. Brief explanations about the herbariums, botanical gardens, flora, e-flora, monographs etc., are taught.

Practical: Specimens from locally available plants are taken into consideration with utmost care and precise techniques which will be fruitful for practical learning and identifying the different families. Students are also taught to use the taxonomic keys for the identifying the given genus and species from Bengal Plants written by David Prains. Besides, they are also taught about the specimen collection, processing and preparation of herbarium sheets.

Reproductive Biology of Angiosperms (CC-11)

Course Learning Outcomes

Theory: Student would have an understanding of : Induction of flowering and molecular and genetic aspects of flower development. Pollen development, dispersal and pollination. Ovule development and fertilization, Endosperm development and its importance alternation pathways of reproduction. Student would be able to apply this knowledge for conservation of pollinators and fruit development Knowledge about self incompatibility & how to overcome it in horticulture. Concept about polyembryony & apomyxis and its types.

Practical: On completion of this course, the students will be able to: Discuss the structural elements of plants floral parts and reproduction. Discuss the Pollination, embroyology and apomixis

Plant Physiology (CC12)

Course Learning Outcomes
Theory: Students will be aware of the relation of plant and water, various mode of transport of nutrients and water throughout the plant body. Students will gain knowledge on the various

hormones and their role in growth and development of plants, scientific aspects regarding the flowering, photomorphological mechanism and the various physiological responses of plants towards environmental factors.

Practical: Students will be able to perform experiments regarding various physiological processes like determination of osmotic potential and water potential, effect of two environmental factors on transpiration, photosynthesis and respiraton, Separation of amino acids, calculation of stomatal index and stomatal frequency of a mesophyte and a xerophyte. Moreover they will be able to demonstrate effect of auxins on rooting, suction due to transpiration, rooting from cuttings and respiration in roots.

Plant Metabolism (CC-13)

Course Learning Outcomes

Theory: This unit deals with the metabolic processes involved in assimilation of metabolites in plants. Students will be able to understand the concept of metabolism and the mode of synthesis and assimilation of different metabolites through specific pathways and mechanistic machineries along with their regulatory aspects.

Practical: Students will be able to perform experiments regarding various physiological and metabolic processes. They will learn chemical separation of photosynthetic pigments, effect of light of environmental factors on photosynthesis and respiration. Further they will be able to demonstrate Hill's reaction, activity of nitrate reductase in germinating leaves, mobilization of lipids during germination, fluorescence by isolated chlorophyll pigments and absorption spectrum of photosynthetic pigments.

Plant Biotechnology (CC-14)

Theory: The students will learn various techniques of Plant Tissue Culture, Recombination technology, DNA finger printing methods etc. They will also learn about c-DNA and genomic DNA libraries, their utilities in modern scientific world. Interesting features of Bt cotton, golden rice etc., are taught in brief. Direct and indirect methods of gene transfer utilizing gene-gun and *Agrobacterium* are also taught in details including their mechanisms.

Practical: Students will learn to prepare stock solution as well as basal MS medium for plant tissue culture. Different techniques like the explant selection, sterilization techniques of explant as well as medium, inoculation, incubation etc., will be taught precisely. Moreover, PCR and

other DNA fingerprinting techniques will be taught using photographs. Production of Bt cotton, golden rice and gene transfer technique (procedure only) will be taught through flow chart and photographs.

DSE: Plant Breeding

Course Learning Outcomes

Theory: Student would be able to understand the experimental steps and methods involved in generating new varieties using classical and contemporary breeding practices. Provides knowledge about the different crop plants. Know about the different breeding equipment. Understand the relation between crops and human beings and how much plant breeding is necessary for our growing population. By acquiring knowledge on plant breeding, they could be able to apply their knowledge in crop development.

Practical: Learn about basic and advanced concepts in cytogenetics. Understand Mendelian genetics through problem solving exercises. Apply the knowledge of cytogenetics in plant breeding. Understand the molecular basis of mutation and its phenotypic effect on the organism. Learn about the various methods of crop improvement. Develop skills in plant breeding such as emasculation, artificial pollination and induction of polyploidy.

DSE: Biostatistics.
Course Learning Outcomes
Theory: Understanding of interpreting the scientific data that is generated during scientific experiments. It is the responsibility of biostatisticians and other experts to consider the variables in subjects to understand them, and to make sense of different sources of variation. In essence, the goal of biostatistics is to disentangle the data received and make valid inferences that can be used to solve problems in public health. Biostatistics uses the application of statistical methods to conduct research in the areas of biology, public health, and medicine. Many times, experts in biostatistics collaborate with other scientists and researchers.

Practical: On completion of this course, the students will be able to: To use genetic engineering tools in crop improvement. Use the Bioinformatics tools in biological data analysis. Able to explain the methods used for characterizing and managing biological data. Classify different types of Biological Databases.

DSE: Industrial and Environmental Microbiology

Course Learning Outcomes
Theory: Upon successful completion of the course, students are expected to be able to:
Understand how microbiology is applied in manufacturing of industrial products. Know about design of bioreactors, factors affecting growth and production. Understand the rationale in medium formulation & design for microbial fermentation, sterilization of medium and air. Comprehend the different types of fermentation processes. Comprehend the techniques and the underlying principles in upstream and down- stream processing. Learn the occurrence, abundance and distribution of microorganism in the environment and their role in the environment and also learn different methods for their detection. Understand various biogeochemical cycles – Carbon and Nitrogen, and microbes involved. Understand the basic principles of environment microbiology and application of the same in solving environmental problems – waste water treatment and bioremediation. Comprehend the various methods to determine the quality of water
Practical: Students learn to integrate science with society for overall development and they will be able to apply the knowledge for start ups in the field of microbiology. Not only that they will gain knowledge of isolation, maintenance and handling of industrial important microbial important microbial cultures /instruments in laboratory instruments.

DSE: Bioinformatics

Course Learning Outcomes
Theory: With a working knowledge of the practical and theoretical concepts of bioinformatics, you will be well qualified to progress onto advanced graduate study. The portfolio of skills developed on the programme is also suited to academic research or work within the bioinformatics industry as well as range of commercial settings.

Practical: On completion of this course, the students will be able to: To use genetic engineering tools in crop improvement. Use the Bioinformatics tools in biological data analysis. Student will be able to explain the methods used for characterizing and managing biological data. Classify different types of Biological Databases.

Discipline specific core course (DSC) Paper 1: Biodiversity (Microbes, Algae, Fungi and Archegoniate)

Course Learning Outcomes

Combination of Theoretical and Practical components will provide comprehensive information and insight into the fascinating world of Microbes and Plants. Hands on Training will help students learn use of microscope, mounting, section-cutting and staining techniques for the study of plant materials. Making Drawings in Practical Records will enhance understanding morphological and structural details and related functional aspects in diverse plant groups.

Use of Illustrations, Photographs, Charts, Permanent Slides, Museum and Herbarium Specimens along with ICT Methods will provide an interesting insight into the beautiful world of microbes and plants. Scope of Biodiversity includes Medicinal field, Industry, Agriculture, Research and Study, Job Opportunities and Environmental Conservation. This paper is both informative and interesting and will enable students to learn about Biodiversity not only as a plant or nature lover, but also for higher academic pursuits, particularly in the field of Biological Sciences, Environment and Biodiversity Conservation.

Practical: Combination of Theoretical and Practical components will provide comprehensive information and insight into the fascinating world of Microbes and Plants. Hands on Training will help students learn use of microscope, mounting, section-cutting and staining techniques for the study of plant materials. Making Drawings in Practical Records will enhance understanding morphological and structural details and related functional aspects in diverse plant groups. Use of Illustrations, Photographs, Charts, Permanent Slides, Museum and Herbarium Specimens. Scope of Biodiversity includes Medicinal field, Industry, Agriculture, Research and Study, Job Opportunities and Environmental Conservation. This paper is both informative and interesting and will enable students to learn about Biodiversity not only as a plant or nature lover, but also for higher academic pursuits, particularly in the field of Biological Sciences, Environment and Biodiversity Conservation.

Plant Ecology and Taxonomy (DSC-2)

Course Learning Outcome

Theory: The paper consists of two different branch of botany. 'Plant Ecology'deals with concepts of ecology and different ecological factors that affect the sustainence of life. Various aspects related to ecosystem, plant communities, important events like succession and phytogeography are discussed in detail. 'Taxonomy'deals with introduction to plant taxonomy that includes identification, classification and nomenclature which is also discussed in detail. Taxonomic hierarchy and evidences from other related branch of science viz. palynology, cytology, phytochemistry and molecular data are also discussed briefly.

Practical: On completions of a course, students will be able to: Understand the working principle of instruments that measure microclimatic variables. Study the biotic interactions of some plant species and the morphological adaptations of hydrophytes and xerophytes. Identify, study and analyse the vegetative and floral characters of some families. Make a herbarium sheets of different families.

Plant Anatomy and Embryology (DSC-3)

Course Learning Outcomes
Theory: Students will be having insightful information on the growth and development of plants, different modes of fertilization and pollination in various plant members and their role in development of plant species.

Practical: Students will have knowledge of details structure of reproductive organs of plants and will be able to calculate percentage of germinated pollen in a given medium.

Plant Physiology and Metabolism (DSC-4)

Course Learning Outcomes
Theory: This unit deals with the physiological and metabolic processes in plant cell. Students will be able to know the various physiological responses of plants towards environmental factors like water, light, soil, temperature and atmosphere. Furthermore, they will understand how the metabolites are synthesized as well as metabolised through specific pathways and mechanism by the plants.

Practical: Students will be able to perform experiments regarding various physiological processes like determination of osmotic potential, effect of two environmental factors on transpiration, photosynthesis and respiration, Separation of amino acids, calculation of stomatal index and stomatal frequency of a mesophyte and a xerophyte. Moreover they will be able to demonstrate effect of auxins on rooting, suction due to transpiration and Respiration in roots.

Economic Botany and Biotechnology (DSEP-1)

Course Learning Outcomes
Theory: Students will be aware about the various economically important plants around us and their role in supplying all the prerequisite ingredients required for the wellbeing of mankind. The plants parts are used for the welfare of human. For greater importance utilizing of plants and plant products are considerable important due to ever increasing demand for food and clothing. They will be well equipped with knowledge of working principle and application of various tools and techniques implemented in plant tissue culture and recombinant DNA technology.

Practical: The plans of economic importance are kept in the laboratory as specimen, a student is expected to study their characters, identify the plant and the useful plant parts. The students should also be informed about different uses of the plant, cultivation, production and marketing statistics, etc. Students will be familiar with basic equipments in tissue culture, another culture, somatic embryogenesis, endosperm and embryo culture; micropropagation and molecular techniques such PCR, Blotting techniques, AGE and PAGE.

Skill Enhancement Course (SEC)-1: Biofertilizers
Theory: Various types of biofertilizers are explained in details including their beneficial aspects over chemical fertilizers. The importance of organic farming shall be taught vividly. The students shall be able to prepare biocompost and vermin-compost using industrial and agricultural wastes. They will be ware about the Nitrogen fixing bacteria like *Rhizobium, Bradyrhizobium, Senorhyzobium* etc., Phosphate Solubilizing Microorganisms (PSM) like *Pseudomonas, Bacillus, Penicillium, Aspergillus*

etc. The role of Blue-green algae, *Azotobacter, Actinorhizal* symbiosis in the field of biofertilizers shall be explained in detail.
Practical: Not applicable.

Skill Enhancement Course (SEC)-2: Mushroom Culture Technology
Mushroom being one of the most potent alternative source of protein for vegetarian population, its importance and the cultivation techniques are been taught in much detail. Students will be able to differentiate various types of mushrooms like, edible mushroom, poisonous mushroom
(toad stool) and mushroom having medicinal properties. Cultivation techniques of *Agaricus bisporus, Volvorilla volvaci* and *Plurotus sajor-caju* will be taught mainly; together with spawn preparation, compost preparation and production methods. Pests and disease management are of special mention as they are taught in very precise manner. Last but not the least the various food items preparation from these mushrooms species are taught and their recipes are provided.

Course Specific Outcomes

B.Sc Chemistry Programme under CBCS System

Sl. No.	Courses Offered	Semester	Paper	Objectives	Course Specific Outcome
1	Programme	Ist	CHEMDSC01 (Theory-4 Credits + Practical – 2 Credits) **(i) Inorganic Chemistry:**	To provide an idea about atomic structure, basic of quantum mechanics and study of chemical bonding and molecular structure	Students can understand the different theories behind the atomic structures and got an insightful knowledge about the chemical bonding along with the molecular structure.
			(ii) Organic Chemistry:	To give an idea (i) Fundamental studies of organic chemistry. (ii) To inculcate an idea about stereochemistry. (iii) To give an idea about aliphatic hydrocarbon.	Student got an idea about the various factors involving during chemical reaction. Also got an idea about the different conformation of molecules to understand the stability of molecules. Additionally, students got a knowledge about different configuration and nomenclature of molecules.
2		IInd	CHEMDSC02 (Theory-4 Credits + Practical – 2 Credits) **(i) Physical Chemistry**	To provide a detailed idea about the thermodynamics, chemical equilibrium and ionic equilibrium.	Students got an idea about the basic principle of Thermochemistry and came across to know the different thermodynamic parameters. Understanding the inter relationship between the free energy change. Also have an idea about the hydrolysis of different salt solution and Determination of pH.
			(ii) Organic Chemistry	To give an idea about aromatic hydrocarbon (preparation and reaction), alcohol, phenol, ethers (preparation and name reaction).	Students came to know about the characteristic feature of aromatic hydrocarbon along with alcohol, phenol and ethers. Understanding the various name reaction involved in the formation of aromatic hydrocarbon and mechanism involved. Learn how to carry out reaction mechanism.

3		IIIrd	CHEMDSC03 (Theory-4 Credits + Practical – 2 Credits) **(i) Physical Chemistry**	To provide a detailed idea about solution, phase equilibria, conductance, and electrochemistry.	Students are able to understand the different laws governing the solutions which helps them to understand the different factors affecting the ideal and non-ideal solutions. Got an insightful knowledge about the conductance and electrochemistry. Design of different cells and calculating the important parameters involved in conductance and electrochemistry.
			(ii) Organic Chemistry	To give an information about the preparation and importance about carboxylic acid and their derivatives. Provide an idea about amine and its diazonium salt, amino acid, peptide, proteins, and carbohydrates	Students are able to understand about different preparation method and reactions of carboxylic acid and their derivatives. Got an idea about the preparation of amine and its diazonium salts which much more important for the synthesis of different class of hydrocarbons. Also got an idea about amino acid, peptide, proteins, and carbohydrates which has a tremendous important role in the living organism.
4		IVth	CHEMDSC04 (Theory-4 Credits + Practical – 2 Credits) **(i) Inorganic Chemistry**	To provide an idea about the transition metal and coordination chemistry.	Students are able to have a proper idea about characteristic feature of transition metal such as, Colour, variable valency, magnetic properties and lanthanide contraction. Also have an idea about the crystal field theory: crystal field stabilization energy, Jahn Teller Distortion. Thus, having an idea about the stability of various complexes viz. tetrahedral, octahedral, and square planar complexes.
			(ii) Physical Chemistry	To impart a knowledge about the gaseous theory, liquid, solid and chemical kinetics.	Students get an idea about the kinetic theory of gases and characteristic feature of different gases such as deviation of real gas from ideal behaviors. Also came to know about the different rate of chemical reaction and its determination such as order of reaction and calculation.
5		Vth	**Inorganic Materials of**	To inculcate an importance of	Students are able to have a general idea about the

			Industrial Importance CHEMDSC02 (Theory-4 Credits + Practical – 2 Credits)	inorganic materials in the field of Industry.	importance of different inorganic materials such as glass, ceramics, cements, surface coating, batteries, alloys, chemical explosive, catalysis and fertilizers. Equally came to know about the impact of different chemicals directly or indirectly associated with the environment.
6		VIth	CHEMDSC02 (Theory-4 Credits + Practical – 2 Credits) **Industrial Chemicals and Environment** CHEMDSC02 (Theory-4 Credits + Practical – 2 Credits)	To install an idea about the Industrial chemical and understanding their impact on environment.	Students are able to understand the different methods involved in the large-scale production of chemical in the industry. Also came to know about the handling and storage of different hazardous chemical and gaseous.

Course Specific Outcomes
B.Sc Mathematics Honours and Programme under CBCS System

Semester-I
Course code: MATH11 HCC-1
Course Title: Calculus and Geometry

On completion of this area of the course, the student will be able to

- understand the nature of Hyperbolic functions,

- find higher order derivatives and apply the Leibnitz rule to solve problemsrelated to such derivatives

- solve various limit problems using L' Hospital's rule·

- understand the concept of plane, simple and closed curves ,

- learn to convert the Cartesian equation of curve into parametric equation & pedal equation.

- Understand the concept of envelopes, evolute, asymptotes, radius of curvature, curve tracing in Cartesian and polar coordinates of standard curves, Concavity, convexity, cusps and inflection points and solve these related problems.

- derivation of induction formulae and apply the integral calculus to find arc length of a curve, arc length of parametric curves,area enclosed by a curve, area between two curves, area and volume of revolutions.

- understand the reflection properties of conics, rotation of axes and second degree equations, classification of conics using the discriminant, tangent and normal polar equations of conics and solve these related problems.

- know about the properties of spheres, cylindrical surfaces, central conicoids, paraboloids, hyperboloids, plane sections of conicoids, generating lines, classification of quadrics,illustrations of graphing standard quadric surfaces like cone, ellipsoid and solve these related problems.

Course Code: MATH11 HCC-II
Course Title: Algebra
Course Specific Outcomes

On completion of this course, the student will have a clear-cut understanding of some important concepts of Classical Algebra, Abstract Algebra & Linear Algebra as follows:

- understand the basics of Complex number, proof of DeMoiver's theorem and its applications.

- know about Theory of Equations, Fundamental theorem of Classical Algebra with its appliction, relationship between roots and coefficients, Descartes rule of signs, Sturms' theorem, to solve the

cubic & bi-quadratic equations, graphical representation of a polynomial and related problems on these.

- have the knowledge of the inequality A.M ≥ G.M ≥ H.M., concept of weighted means, weighted means and m-th power theorems, Cauchy-Schwartz inequality and its application.
- know about Equivalence relations partition, partially ordered relation, functions, composition of functions, permutations, even and odd permutations, invertible functions.
- understand the basic concept of Integers, Well-ordering property of positive integers, principles of mathematical induction, division algorithm, divisibility and Euclidean algorithm, concept of congruence relation between integers, know about Fundamental Theorem ofArithmetic and its application, solution of linear congruence equations and solving problems using these results.
- gain knowledge about Matrices, Inverse of a matrix, characterizations of invertible matrices, elementary operations of matrices, echelon matrix, row/column reduced echelon matrix, rank of matrix, normal forms,equivalency and congruency of matrices.
- Concepts of Eigen values and eigen vectors of a square matrix,characteristic equation of a matrix, Cayley-Hamilton theorem and its use in finding the inverse of a matrix and related problems on these.
- solve the linear system problems using matrix representation, applications of linear systems.

Semester-II
Course Code: MATH21 HCC-III
Course Title: Real Analysis.
Course Specific Outcomes

This course offers the students to:

- understand the algebraic and order properties of $\mathbb{R}$, ε-neighborhood of a point in $\mathbb{R}$, brief idea about countable and uncountable sets, know Bounded and Unbounded sets , upper and lower bound, L.U.B(Supremam)& G.L.B(infimim) of a set, gain a clear idea of Archimedean property.

- gain knowledge about Completeness property of $\mathbb{R}$ and its equivalent properties.Archimedean property, density of rational (and irrational) numbers in $\mathbb{R}$. Also, fundamental concepts point set theory in $\mathbb{R}$: limit points, isolated points, open set, closed set, derived set, Bolzano-Weierstrass theorem for sets and its importance, compactness in $\mathbb{R}$, Heine-Boreal Theorem and its applications.

- understand about the concept of Sequence and check its convergence, non -convergence, Cauchy sequence, to understand some basic theorems on Subsequences, know about limsup. liminf of a sequence, subsequential limits.

- know about series its definition, convergence and divergence, different types of test such as Comparison test, limit test, Cauchy's nth root test, integral test to check the convergence of infinite series of positive real numbers and also have an idea about alternating series, Leibniz test, Absolute and conditional convergence and related problem.

Course Code: MATH21 HCC-IV
Course Title: Differential Equations and Vector Calculus.
Course Specific Outcomes

On completion of this course the students can construct mathematical models of real life , physical, chemical, biological and economic sciences problems by using differential equations and solve them easily. They can

- understand the basic concept of Differential equations and mathematical models. Classification ofsolutions: General, particular, explicit, implicit and singularsolutions of a differential equation.
- learExact differential equations and integrating factors, separableequations and equations reducible to this form, linear equation and Bernoulli equations, specialintegrating factors and transformations with related problems.
- have idea to solve homogeneous equation of second order, and also principle of super position forhomogeneous equation, Wronskian: its properties and applications, Linear homogeneous and non-homogeneousequations of higher order with constant coefficients, Euler's equation, method of undetermined coefficients, method of variation of parameters.

- understand the systems of linear differential equations with their types, differential operator method to solve the linear systems with constant coefficients, Basic theory of linear systems in normal form,homogeneous linear systems with constant coefficientstwo Equations in two unknown functions: and solve related problems on these.
- knowLipschitz condition and Picard's Theorem (Statement only). Autonomous system, Equilibrium points,Interpretation of the phase plane.
- gain idea of vector triple product and its application, understand vector functions, limit and continuity,differentiation and integration of vector functions.and solve relate problems on these.

Semester-III
Course code: MATH 31 HCC-V
Course Title: Theory of real functions and introduction to metric space
Course Specific Outcomes

This course offers the students to:

- understand Limit of functions, sequential criterion for limits, Sandwitchtheorem,Cauchy criterion for the existence of finite limit.

- be able to understand Continuity of functions, Bolzano's theorem, Intermediate value theorem, Uniform continuity and their properties.

- make a clear concept of Derivative of functions,Caratheodory's theorem and Darboux's theorem with applications,

- gain a clear concept of maxima and minima of functions, sufficient condition for the existence and their applications.

- understandRolle's theorem, Mean value Theorems, Cauchy's mean value theorem. Taylor's theorem with Lagrange's form of remainder, Taylor's theoremwith Cauchy's form of reminder, application of Taylor's theorem to convex functions. Taylor's seriesand Maclaurin's series expansions of functions and their applications toinequalities and approximation of polynomials.

- gain knowledge about metric spaces, Open and closed balls, neighbourhood, open set, interior of a set, Limit point of a set, closed set, diameter of a set, subspaces, dense sets, separable spaces.

- concept of Sequencesin metric spaces, Cauchy sequences, knowledge of Complete metric spaces, Cantor's theorem and its applications.

Course code: MATH 31 HCC-VI

Course Title: Group theory-I
Course Specific Outcomes

On the completion of this course, the students will understand the basic concepts of Group Theory in Abstract/Modern Algebra covered by the following:

- gain idea of the algebraic structre: groupoid, semigroup, monoid, groups, and commutative groups,
- know aboutelementary properties of groups, finitesemigroup with cancellation properties is a group, semigroup containing unique solution of $ax = b$and $xa = b$is a group.
- know about some important groups $\mathbb{Z}n$group, Ungroup, Klein's 4 group, symmetric group Sn,alternating group An, matrix group $Mn(R)$, multiplicative group of n-th roots of unity, Dihedral group,quaternion group (through matrices) etc.
- concepts ofSubgroups and examples of subgroups, necessary and sufficient conditions for a subset of a group tobe a subgroup, union and intersection of subgroups, centralizer, normalizer, center of a group, productof two subgroups.
- idea of order of an element and a group. Generators, cyclic group and its properties, necessary and sufficientcondition for a group to be a cyclic group ad some related problems.
- know the meaning of Cosets, properties of Cosets, Lagrange's theorem and consequences including Fermat'sLittle theorem and applications.
- knowledge of normal subgroups, factor/quotient groups, Cauchy's theorem for finite abelian groups,necessary and sufficient conditions for a subgroup of a group to be a normal subgroup and problems on these.
- gain knowledge about Group homomorphisms, properties of homomorphisms, Cayley's theorem, properties of isomorphisms. First, Second and Third isomorphism theoremswith applications.

Course Title: Riemann Integration and Series of Functions
Course code: MATH 31 HCC-VII
Course Specific Outcomes

This course offers the students to:

- Gain clear concept of Riemann integration: inequalities of upper and lower sums, Darbaux integration, Darbaux theorem, Riemann conditions of integrability, Riemann sum and definition of Riemann integral through Riemann sums, equivalence of two definitions. Riemann integrability of monotone and continuous functions, properties of the Riemann integral; definition and integrability of piecewise continuous and monotone functions. Intermediate Value theorem for Integrals; Fundamental theorem of Integral Calculus and related problems on these.

- able to understand the concept of Improper integrals. Convergence of Beta and Gamma functions , can solve related problems on these.

- understandthe concept of pointwise and uniform convergence of sequence of functions. Theorems on continuity, derivability and integrability of the limit function of a sequence of functions.

- learnpointwise and uniform convergence of series of functions. Theorems on the continuity and derivability of the sum function of a series of functions; Cauchy criterion for uniform convergence and Weierstrass M-Testwiith applications.

- Know about Fourier series: Definitions of Fourier coefficients and series, Riemann Lebesgue lemma, Bessel'sinequality, Parseval's identity, Dirichlet's condition. Examples of Fourier expansions and summationresults for series , related problems.

- gain idea of Power series and itsradius of convergence, application of Cauchy Hadamard theorem. Differentiation and integration of power series, Abel's theorem, Weierstrass approximation theorem and related problems on these.

Course code: MATH 34 SEC-I
Course title: Logic and sets
Course Specific Outcomes

The students who complete this course successfully are expected to:

- Gain clear concept of logic, propositions, truth table, logical connectives: Negation, conjunction, disjunction, implications,

- know about biconditional propositions, converse, contra positive and inverse propositions andprecedence of logical operators.

- Able to understand Propositional equivalence: Logical equivalences. predicates andquantifiers: Introduction, quantifiers, binding variables and negations and examples

- gain concepts of the natural number sequence, Proof and definition by induction, cardinal numbers, countable sets,cardinal arithmetic, order types, well-ordered sets and ordinal numbers, the axiom of choice, the wellorderingtheorem, and Zorn's lemma, further properties of cardinal numbers, Some theorems equivalentto the axiom of choice.

Course code: MATH 34 SEC-I
Course Title: Graph theory
Course Specific Outcomes

On completion of this course students will be able to

- understand the concepts of graphs, pseudo graphs, complete graphs, bipartite graphs, isomorphism of graphs and applications
- know about Trees and forests, paths and cycles.
- Gain knowledge about circuits, Eulerian circuits, Eulerian graph, semi-Eulerian graph, theorems, Hamiltonian cycles,theorems

- Can Represents a graph by matrix, the adjacency matrix, incidence matrix, weighted graph.

- Apply graph theory in sovingTravelling salesman's problem, shortest path, Tree and their properties, spanning tree, Dijkstra'salgorithm, Warshall algorithm. Connectivity, matching in bipartite graphs, matching in general graphs

Semester IV
Course code: MATH 41 HCC-VIII
Course Title:Multivariate calculus
Course Specific Outcomes

This course offers the students to:
- gain clear concept limit and continuity of functions of two or more variables,
- know about Partial differentiation, total differentiability and differentiability, sufficient condition fordifferentiability, able to apply Chain rule for one and two independent parameters
- be able to understand directional derivatives, thegradient, maximal and normal property of the gradient, tangent planes and related prolems.
- ableto findextreme values of functions of twovariables and also by using the methods Lagrange multipliers and constrained optimization problems.
- Knowledge about Double integration over rectangular regionand over non-rectangular region, doubleintegrals in polar co-ordinates, triple integrals, triple integral over a parallelepiped and solid regions.
- Able to find Volume by triple integrals using cylindrical and spherical co-ordinates.
- Change of variables in doubleintegrals and triple integrals, solve reated problems on these.
- Gain idea of vector field, divergence and curl, concept about Line integrals and applications of line integrals to find work done. Fundamental theorem for line integrals, concept of conservative vector fields, independence of path.
- know about volume integrals, surface integrals, integrals over parametrically defined surfaces. Gauss's Divergence theorem and its applications. Stoke'stheorem and its applications, Green's theorem and its applications.

Course code: MATH 41 HCC-IX
Course Title: Ring theory and linear algebra-I
Course Specific Outcomes

This course offers the students to:

- Gain knowledge of rings, properties of rings, subrings, integral domains and fields. Necessary and sufficient conditions for subrings and subfields. Characteristics of a ring. Ideal, ideal generated bya subset of a ring, operations on ideals, prime and maximal ideals, factor/ quotient rings and related problems.
- gain idea of Ring homomorphisms, properties of ring homomorphisms. Isomorphism theorems I, II and III and applications, also related problems
- know about Vector spaces, subspaces, algebra of subspaces, quotient spaces,
- gain idea of linear combination of vectors, linearspan, linear independence, basis and dimension and able to solve related problems.
- learnexistence; extension and replacement theorems for basisof a finite dimensional vector space and applications..
- make a clear idea of Linear transformations, null space, range space, rank and nullity of a linear transformation,
- able to find matrixrepresentation of a linear transformation relative to ordered bases,
- know about algebra of linear transformations,correspondence between LTs and matrices. Linear transformation is non-singular if its representationmatrix is non-singular.
- understandInvertibility and isomorphisms, isomorphism theoremsand its application, change of coordinatematrix and related problems.
-

Course code: MATH 41 HCC-X
Course Title: Metric Spaces and Complex Analysis
Course Specific Outcomes

On completion of this course students will be able to:

- know the basic concept ofContinuous mapping, sequential criterion and other characterizations of continuity. Uniform continuity on metric spaces.
- gain knowledge about Connectedness, examples of connected subsets of $\mathbb{R}$.

- learn Compactness, sequential compactness and relations between them, Heine-Borel property and its applications.
- understandtotally bounded spaces, finite intersection property on compact sets, continuous functions on compact sets.
- gain concept of Homeomorphism, Contraction mappings. Banach fixed point theorem and its application to ordinarydifferential equation.
- know the idea of Limits, continuity & differentiation of functions of complex variable Cauchy-Riemann equations(necessary conditions for differentiability), sufficient conditions for differentiability.
- get idea of analytic functions, examples of analytic functions, derivatives of functions, and definite integrals offunctions.Contours & Contour integrals, able to solve some simple problems on contour integraton, can find upper bounds for moduli of contour integrals.
- know about Cauchy-Goursat theorem, Cauchy integral formula and able to do related problems.
- understandLiouville's theorem and the fundamental theorem of algebra and their applications.
- gain Concept of Laurent series of a complex valued functions and able find the same for a given complex valued functions
- get knowledge of absolute and uniform convergence of power series of a complex valued

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Course code: MATH 44 SEC-II
Course Title: C programming language
Course Specific Outcomes

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This course offers the students to:

- Know about the computer fundamentals: an overview of history of computers and architecture of computer, Concept of compiler, assembler.
- gain basic idea about machine language, high level language, object-oriented language and their differences with examples.
- understand concept of programming language, an overview of C programming language and its importance.
- learn details on different components of C- programming code and their uses in writing a C-program: Characters, Constants and variables data types. Expression, statements, declaration., different kinds of Operators:Arithmetic operators, increment and decrement operators, relational operators, logical operators,assignment operators, conditional operators.
- understand program control statements that is
conditional: If, if-else, nested if-else statements. Switch, break and continue statements;
Loop control statements: For, while and do-while statements and examples on these .
- Know about Arrays, One-dimension, two-dimension and multidimensional arrays, declaration and type of arrays, Reading and displaying elements of arrays and examples that shows the uses of these in writing C programming.
- Understand the concepts of User-defined Functions: Function Prototype, Definition of functions and types.
- Know about local andglobal variables in a function, type of return values, function declaration, nesting of functions, main ( )function, recurrence of function.
- gainKnowledge of Library functions, e.g. stdio.h, math.h, string.h, stdlib.h, etc. No arguments and no return values, arguments but no return values, arguments with return values, no arguments but returns a value and related programs.

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OR

Course code: MATH 44 SEC-II
Course Title: Operating system-Linux
Course Specific Outcomes

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On completion of this course students will be able to:

- know about Linux –The operating system: Linux history, Linux features, Linux distributions, Linux's relationshipto Unix, overview of Linux architecture, installation, start up scripts, system processes (an overview),Linux security.

- gain an idea about The Ext2 and Ext3 file systems: General characteristics of the Ext3 file system, file permissions. Usermanagement: types of users, the powers of root, managing users (adding and deleting): using the command line and GUI tools.

- Know about Resource management in Linux: file and directory management, system calls for files processManagement, signals, IPC: Pipes, FIFOs, System V IPC, message queues, system calls for processes, memory management.

Course code: MATH 51 HCC-XI
Course Title: Group theory-II
Course Specific Outcomes

On completion of this course students will be able to:

- gain basic idea about Automorphism, inner automorphism, automorphism groups, automorphism groups of finite and infinitecyclic groups, applications of factor groups to automorphism groups, Characteristic subgroups,Commutator subgroup and its properties, relate problems

- learn about theExternal and internal direct product of groups and its properties. The group of units modulo $n$as an external direct product, converse of Lagrange's theorem for finite Abelian group,Fundamental theorem of finite abelian groups and applications in solving problems

- gain concepts of Group actions, stabilizers and kernels, permutation representation associated with a given group action. Applications of group actions. Generalized Cayley's theorem. Index theorem **and related problems.**

- know about Groups acting on themselves by conjugation, class equation and consequences, conjugacyin Sn, p-groups, Sylow's theorems and consequences, Cauchy's theorem, Simplicity of $An$for $n \geq 5$,non-simplicity tests.

Course code: MATH 51 HCC-XII

Course Title: Numerical methods.
Course Specific Outcomes

After finishing this course the students **will be able to**:

- to understand basics of numerical analysis: Algorithms, Convergence, Errors: Absolute, relative, percentage, inherent, round off, truncation errors.

- applyBisection method, secant method, Regula-falsi method, fixed point iteration, Newton-Raphson method for simple and multiple roots for solving Transcendental and polynomial equations. Also, know about rate of convergence conditions of convergence of these methods

- learn Gaussian elimination and Gauss Jordan methods. Gauss Jacobi method, Gauss Seidel method and their convergence analysis, LU decomposition methodand apply this method to solve System of linear algebraic equations .

- knowbasic concepts of Interpolation, learn Lagrange and Newton's methods for interpolation and apply these methods, can calculate the Error bounds.

- know about finite difference operators and their uses in Gregoryforward and backward difference interpolation techniques.

- gain idea about Numerical differentiation, learn Methods based oninterpolations, methods based on finite differences to calculate approximate numerical value of the derivative of a function at a particular point. Also, students can solve related problems.
- learn the concepts of Numerical Integration and some numerical integration techniques: Newton Cotes formula, Trapezoidal rule, Simpson's 1/3rd rule, Simpsons 3/8[th]rule, Weddle's rule, Composite trapezoidal rule, composite Simpson's 1/3rd rule, Gauss quadraturformula, Romberg integration .
- understandThe algebraic eigen value problem, Power method and solve related problems.
- Know about The method of successive approximations, Euler's method, themodified Euler method, Runge-Kutta methods of orders 2 for soving 1st order, 1st degree ODE with initial conditions and apply each of these methods

Course code: MATH 51 HCC-XII
Course Title: Numerical Methods LAB: Practical (using C programming).
Course Specific Outcomes

This paper offers the students toapply the knowledge of C programming in solving the numerical methods:

- Solution of transcendental and algebraic equations by Bisection method, Fixed-point iteration, Scant method, Newton-Raphson method, Regula –Falsi method,
- Solution of system of linear equations, Gaussian elimination method , Gauss-Jacobi method andGauss-Seidel method
- Interpolation :Lagrange Interpolation, Newton Forword and Backward Interpolation .
- Numerical Integration: Trapezoidal Rule, Simpson's one third rule,Weddle's Rule, Gauss Quadrature
- Solution of ordinary differential equations: Euler method, Modified Euler method, Runge-Kutta method (4th order only).

Course code: MATH 52 DSE-I
Course Title: Probability and Statistics
Course Specific Outcomes

This course offers the students to:

- know the basic concept of random experiments, simple and compound events, event space, classical and frequency definitions of probability, axioms of probability, Bayes' theorem.

- understand about independent events, Bernoulli trials and binomial law. Poisson trials, probability distribution function, continuous and discrete distribution: Binomial, Poisson, Gamma, Uniform and Normal distributions.

- know about transformation of random variable, Two dimensional probability distributions, Discrete and continuous distributions, conditional distributions.

- understand the concepts of mathematical expectation, mean, variance, moments and central moments, dispersion, skewness and kurtosis, median, mode quartiles, moment generating function, characteristic equation, correlation co-efficient, Regression curves, least square regression lines and parabolas.

- know the idea of Chi-square and t-distributions and their properties, Tchebychef's inequality, statement of Bernoulli's limit theorem, law of large numbers, Poisson's approximation to binomial distribution and normal approximation to binomial distribution, statement of central limit theorem in the case of equal components and of limit theorem for characteristic functions.

- know about the basic concept of Random sample, Sampling and its various types, tabulation and graphical representation of data.

- understand about Sampling distribution, estimates of a parameter, unbiased and consistent estimates, sampling distribution of the sample mean and variance.

- have an idea about Bivariate samples, sample correlation coefficient, and solve the problems related least square regression lines and parabolas.

- understand and solve the estimation of parameters, method of maximum likelihood function and its application in binomial , poisson and normal populations.

- have a clear idea about statistical hypothesis.

- know the theory of Neyman-Pearson and its application to normal population and also some application of hypothesis testing.

OR

Course code: MATH 52 DSE-I
Course Title: Differential Geometry
Course Specific Outcomes

This course offers the students to:

- understand the basics of Theory of curves: Parametrization and reparametrization of curves, plane curves, space curves, regular curves.

- know about the curvature, torsion and relation between curvature and torsion of a curve, related problems

- understand the Serret-Frenet formula and its applications,

- gain idea of Osculating plane, osculating circles and osculating spheres,Evolutes and involutes of curves, and related problems.

- know about the Regular surfaces, tangent plane, First and second Fundamental forms. Principal andGaussian curvatures. Rodrigue's formula. Conjugate and asymptotic lines, and related problems.

- Gain concepts of Developable associated with space curves and curves on surfaces. Minimal surfaces.

- Learn about Geodesics, Canonical geodesic equations. Nature of geodesics on a surface of revolution. Clairaut'stheorem. Normal property of geodesics. Geodesic curvature. Gauss-Bonnet theorem.

Course code: MATH 52 DSE-II
Course Title: Mechanics
Course Specific Outcomes

After finishing this course the students will be able to:

- Gain knowledge about Co-planar forces. Astatic equilibrium of system of particles or rigid bodyunder system of co-planar forces and applications to solve physical problems.

- Know about Friction, Equilibrium of a particle on a rough curve and related problems.

- Understand the concept of Virtual work and uses of virtual work to write down the equation of motion of a particle or system of particles or a rigid body acted upon by a system of forces.

- Know about the general conditions of equilibrium of a rigid body under system of forces. Centre of gravity for different bodies.

- Gain concepts of Stableand unstable equilibrium of a rigid body.

- Know about Equations of motion referred to a set of rotating axes , motion of a projectile in a resisting medium and motion under the inverse square law

- get idea about Stability of nearly circular orbits, Slightly disturbed orbits, Motion of artificial satellites.

- learn the motion of a particle in three dimensions, motion on a smooth sphere, cone and on any surface ofrevolution.

- Gain concepts of Degrees of freedom. Moments and products of inertia. Momental Ellipsoid. Principal axes., D'Alembert's principle, Motion about a fixed axis and Compound pendulum, and can solve problems on thses,

- Knowledge of Motion of a rigid body in two dimensions underfinite and impulsive forces, and can solve related problems.

- Learn the principal of Conservation of momentum and energy , and apply these to solve related problems.

OR

Course code: MATH 52 DSE-II
Course Title: Number Theory
Course Specific Outcomes

This course offers the students to:

- know about Euclidean Algorithm for GCD, linear representation of GCD.

- Learn the concept of Prime numbers, Fundamental Theorem ofArithmetic and its consequences.

- Gain a clear idea of Linear Diophantine Equation and its solutions,

- understand the Gaussian integers, divisibility andprimes in $\mathbb{Z}$and $\mathbb{Z}$ [i].

- Know about the Linearcongruences and their properties,Chinese Remainder Theorem and its application to sove a system simultaneous linear congruence's.

- Learn to find Inverse modulo a prime by using property of congrunces.

- know some important theorems of number theory: Fermats' LittleTheorem,congruence theorem of Wilson and Lagrange, and their applications in soving problems

- learnPrimitive roots, Quadratic residues, Legendre symbol, Quadratic reciprocity law, Pythagorean triples,Fermat's Two Square Theorem and applications in solving related problems.

Course code: MATH 61 HCC-XIII
Course Title: Ring Theory and Linear Algebra-II
Course Specific Outcomes

After finishing the course students are expected to

- know about Irreducible and prime elements, divisibility in integral domains,

- gain idea of Euclidean domains, principal idealdomains, unique factorization domains and their relations. Greatest common divisor and least commonmultiple.

- Learn about Polynomial rings over commutative rings, division algorithm and consequences, factorization ofpolynomials, irreducibility tests, Eisenstein criterion and unique factorization in $\mathbb{Z}[x]$.

- get knowledge about Dual spaces, dual basis, double dual, transpose of a linear transformation and its matrix in the dual basis, related problems on these.

- learn concepts of annihilators, Eigen spaces of a linear operator, diagonalizability, invariant subspaces and Cayley-Hamilton theorem, the minimal polynomial for a linear operator, canonical forms.

- gain idea of Inner product spaces and norms, Gram-Schmidt orthogonalisation process, orthogonal complements,Bessel's inequality, theadjoint of a linear operator. Least squares approximation, minimal solutions tosystems of linear equations. Normal and self-adjoint operators. Orthogonal projections and Spectraltheorem.

Course code: MATH 61 HCC-XIV
Course Title: Partial Differential Equations and Applications
Course Specific Outcomes

On completion of this course students will be able to
- gain basic concepts of Partial differential equations, classification of solutions and formulation of PDE from a give Mathematical problems.

- classify first order PDE, its construction from a physical, mathematical and real life problems, know about geometrical interpretation of solutions of PDE.

- know about different methods to solve 1st Order PDE: Method of characteristics for obtaining general solution of quasi linear equations. Method of separation of variables for solving first order partial differential equations.

- reduce first order PDE into its canonical forms.

- derive of heat equation, wave equation and Laplace equation.

- Classify second order linear equations as hyperbolic, parabolic or elliptic and reduced them to canonical forms.

- know about the Cauchy problem, Cauchy-Kowalewskaya theorem.

- solveCauchy problem of an infinite string and Initial boundary value problems. Semi-infinite string with a fixed end, semi-infinite string with a free end.

- knowabout Equations with non-homogeneous boundary conditions and Non-homogeneous wave equation and solve them.

- applyMethod of separation of variable for solving the vibrating string problem and the heat conduction problem.

- gain concepts of equation of motion of a particle moving under Central forces, knowledge of Constrained motion.

- learn about motion under varying mass, get knowledge of tangent and normal components of acceleration.

- know about Kepler's second and modelling ballistics and planetary motion.

Course code: MATH 62 DSE-III
Course Title: Linear Programming
Course Specific Outcomes

On completion of this course students will be able to

- learn basic concept of linear programming problem (LPP), its formation and classify type of solutions of it: Basic solution(BS), feasible solution (FS), basic feasible solution (BFS), degenerate and non-degenerate BFS.

- write LPP in Matrixnotation,

- know about graphical method to solve LPP.

- learn some well-known method to solve LPP: simplex method, convex sets, optimality and unboundedness, the simplex algorithm, simplexmethod in tableau format, introduction to artificial variables. Two-phase method, Big-M method and theircomparison.

- gain idea of Duality, formulation of the dual problem, primal-dual relationships, economic interpretation of the dual.

- learnMathematical formulation of Transportation problem, can apply North-west corner method, Leastcost method and Vogel approximation method for determination of solutionof transportation problem, know algorithm for solvingtransportation problem.

- learn Mathematical formulation assignment problems and their Hungarian method for solving assignment problem.

- gain idea of Game theory and its application, can Formulate and solve two-person zero sum games, games with mixed strategies,
- know about graphical solution procedure and linear programming solution of games.

OR

Course code: MATH 62 DSE-III
Course Title: Point Set Topology
Course Specific Outcomes

Course Specific Outcomes
On completion of these course the students will be able to

- learn about countable and uncountable Sets, Schroeder-Bernstein theorem, Cantor's Theorem.
- know about Cardinal numbers and cardinal arithmetic, Continuum Hypothesis, Zorns Lemma, Axiom of Choice. Well-ordered sets, Hausdorff's maximal principle.
- understand basic concepts of Topological spaces, basis and Sub basis for a topology, subspace topology, interior points, limit points, derived set, boundary of a set, closed sets, closure and interior of a set.
- gain idea of Continuous functions, open maps, closed maps and homeomorphisms. Product topology, metric topology, Baire category theorem.
- learn connectedness, distinguishing topological spaces via connectedness, intermediate value theorem, path connectedness, compact spaces, compact subspaces of the real line, limit point compactness.

Course code: MATH 62 DSE-IV
Course Title: Mathematical Modelling
Course Specific Outcomes

After finishing this course students will be able to

- know basis concepts of functions, modelling with linear and exponential functions.
- gain idea of average rate of change, linear functions withapplications, Piecewise-linear functions with applications and fit linear models to data.
- learn about Exponential growth functions with applications, Growth factors and rates, doubling time, compound interest as an exponential growth.
- understand the concepts of exponentialdecay functions, Decay factors and rates, Half-life with applications and fitting of exponential models to data

- know concepts of modeling with logarithmic and polynomial functions with applications, fitting of logarithmic models to data, Maxima and minima with applications.

- gain knowledge of continuous time models, limitations & advantages of the discrete-time model, the need forcontinuous time models,

- learnContinuous time models: the model for the growth of microorganisms, chemostat in details.

- understand the stability and linearization methods for system of ODE's.

- findPower series solution of Bessel's equation and Legendre's equation, gain knowledge of Laplace transform and inversetransform, its application to initial value problem up to second order.

- know about Monte Carlo simulation modelling: simulating deterministic behavior (area under a curve, volume under asurface), generating random numbers: middle square method, queuing models, get an overview of optimizationmodelling.

OR

Course code: MATH 62 DSE-IV
Course Title: Boolean algebra and automata Theory
Course Specific Outcomes

This course offers the students to

- know about basic properties of ordered sets, maps between ordered sets, duality principle,
- learn about lattices as ordered sets, lattices as algebraic structures, sublattices, products and homomorphisms, properties of modular and distributive lattices.
-
- understand the concepts of Boolean algebra, Boolean polynomials, minimal and maximal forms of Boolean polynomials, simplification of Boolean functions

- gain idea of Quinn-McCluskey method and Karnaugh diagrams methods to simplify a a Boolean expressions.

- knowLogic gates, switching circuits and applications in designing electronic circuits.

- learngrammar and language formation with their classification: Context free, Context sensitive and regular grammars and languages parse trees, ambiguities in grammars and languages.

- know properties of context free languages, normal forms, closure properties, decision properties context free languages

- gain idea of finite automata: deterministic andnon-deterministic finite automata,know about construction of regular languages accepted by finite automata and vice-versa

- understand regular expressions, regular languages and their relationship with finite automata

- learnpumping lemma and apply it to examine a language to be regular language,context free languages or not, know about closure properties of regular languages.

- know pushdown automaton (PDA) and the language accepted by PDA, deterministicPDA, Non deterministic PDA.
- Understand the Turing machine as a model of computation, programming with a Turing machine,variants of Turing machine and their equivalence

B.Sc. Honours Generic Elective-GE Course (except Mathematics Honours)

Program specific outcomes:

- Students will get a strong and valuable knowledge of mathematics which will help them to think logically and apply them in both their personal & professional life throughout.
- Students will have the ability to formulate and then solve the critical and complex type problems.
- Students will create an interdisciplinary relation between the other streams.
- Students will have a creative and logical mind by which they can analyze& solve practical problems in their life.
- The knowledge of Mathematics will make the students ethical and responsible citizen of nation.
- Students will be able to do work as a whole or team or individually and communicate effectively with others.
- Students will recognize the need of self learning and life-long learning to demonstrate the knowledge in the development of society and him.

Course code: GE-1

Course Title: Calculus, Geometry and Differential Equation
Course Specific Outcomes

On completion of this area of the course, the student will be able to

- understand the nature of Hyperbolic functions,
- find higher order derivatives and apply the Leibnitz rule to solve problems related to such derivatives.
- solve various limit problems using L' Hospital's rule.
- understand the concept of plane, simple and closed curves ,
- learn to convert the Cartesian equation of curve into parametric equation & pedal equation.
- Understand the concept of envelopes, evolute, asymptotes, radius of curvature, curve tracing in Cartesian and polar coordinates of standard curves, Concavity, convexity, cusps and inflection points and solve these related problems.

- derivation of induction formulae and apply the integral calculus to find arc length of a curve, arc length of parametric curves,area enclosed by a curve, area between two curves, area and volume of revolutions.

- understand the reflection properties of conics, rotation of axes and second degree equations, classification of conics using the discriminant, polar equations of conics and solve these related problems.

- know about the properties of spheres, cylindrical surfaces, central conicoids, paraboloids, hyperboloids, plane sections of conicoids, generating lines, classification of quadricsand solve these related problems.

- know basics concepts on Differential equations and mathematical models. General, particular, explicit, implicit and singularsolutions of a differential equation.

- understandExact differential equations and integrating factors, separableequations and equations reducible to this form, linear equation and Bernoulli equations, specialintegrating factors and transformations.and related problems.

Course code: GE-2
Course Title: Algebra
Course Specific Outcomes

On completion of this course, the student will have a clear-cut understanding of some important concepts of Classical Algebra, Abstract Algebra & Linear Algebra as follows:

- understand the basics of Complex number, proof of DeMoiver's theorem and its applications.

- know about Theory of Equations, Fundamental theorem of Classical Algebra with its appliction, relationship between roots and coefficients, Descartes rule of signs, Sturms' theorem, to solve the cubic & bi-quadratic equations, graphical representation of a polynomial and related problems on these.

- have the knowledge of the inequality A.M $\geq$ G.M $\geq$ H.M., concept of weighted means, weighted means and m-th power theorems, Cauchy-Schwartz inequality and its application.

- know about Equivalence relations partition, partially ordered relation, functions, composition of functions, permutations, even and odd permutations, invertible functions.

- understand the basic concept of Integers, Well-ordering property of positive integers, principles of mathematical induction, division algorithm, divisibility and Euclidean algorithm, concept of congruence relation between integers, know about Fundamental Theorem of Arithmetic and its application, solution of linear congruence equations and solving problems using these results.

- gain knowledge about Matrices, Inverse of a matrix, characterizations of invertible matrices, elementary operations of matrices, echelon matrix, row/column reduced echelon matrix, rank of matrix, normal forms, equivalency and congruency of matrices.
- Concepts of Eigen values and eigen vectors of a square matrix, characteristic equation of a matrix, Cayley-Hamilton theorem and its use in finding the inverse of a matrix and related problems on these.
- solve the linear system problems using matrix representation, applications of linear systems.

Course code: GE-3
Course Title: Differential Equations and Vector Calculus.
Course Specific Outcomes

On completion of this course the students can construct mathematical models of real life , physical, chemical, biological and economic sciences problems by using differential equations and solve them easily. They can

- have idea to solve homogeneous equation of second order, and also principle of super position for homogeneous equation, Wronskian: its properties and applications, Linear homogeneous and non-homogeneous equations of higher order with constant coefficients, Euler's equation, method of undetermined coefficients, method of variation of parameters.
- understand the systems of linear differential equations with their types, differential operator method to solve the linear systems with constant coefficients, Basic theory of linear systems in normal form, homogeneous linear systems with constant coefficients two Equations in two unknown functions: and solve related problems on these.
- know Power series solution of a differential equation about an ordinary point, solution about a regular singular point.
- gain idea of vector triple product and its application, understand vector functions, limit and continuity, differentiation and integration of vector functions.and solve relate problems on these.

Course code: GE-4
Course title: group theory-I
Course Specific Outcomes

On the completion of this course, the students will understand the basic concepts of Group Theory in Abstract/Modern Algebra covered by the following:

- gain idea of the algebraic structre: groupoid, semigroup, monoid, groups, and commutative groups.
- know about elementary properties of groups, finite semigroup with cancellation properties is a group, semigroup containing unique solution of $ax = b$ and $xa = b$ is a group.
- know about some important groups $\mathbb{Z}n$ group, Un group, Klein's 4 group, symmetric group Sn , alternating group An, matrix group $Mn(R)$, multiplicative group of n-th roots of unity, Dihedral group, quaternion group (through matrices) etc.
- concepts ofSubgroups and examples of subgroups, necessary and sufficient conditions for a subset of a group to be a subgroup, union and intersection of subgroups, centralizer, normalizer, center of a group, product of two subgroups.
- idea of order of an element and a group. Generators, cyclic group and its properties, necessary and sufficient condition for a group to be a cyclic group ad some related problems.

- know the meaning of Cosets, properties of Cosets, Lagrange's theorem and consequences including Fermat's Little theorem and applications.
- knowledge of normal subgroups, factor/quotient groups, Cauchy's theorem for finite abelian groups, necessary and sufficient conditions for a subgroup of a group to be a normal subgroup and problems on these.
- gain knowledge about Group homomorphisms, properties of homomorphisms, Cayley's theorem, properties of isomorphisms. First, Second and Third isomorphism theorems with applications.

Course code: GE-5

Course Title: Numerical methods
Course Specific Outcomes

After finishing this course the students will be able to:

- to understand basics of numerical analysis: Algorithms, Convergence, Errors: Absolute, relative, percentage, inherent, round off, truncation errors.
- learn about the uses of the operators: Δ, ∇, μ, E, δ;
- apply Bisection method, secant method, Regula-falsi method, fixed point iteration, Newton-Raphson method for simple and multiple roots for solving Transcendental and polynomial equations. Also, know about rate of convergence conditions of convergence of these methods
- learn Gaussian elimination and Gauss Jordan methods. Gauss Jacobi method, Gauss Seidel method and their convergence analysis, and apply these method to solve system of linear algebraic equations .
- know basic concepts of Interpolation, learn Lagrange and Newton's methods for interpolation and apply these methods, can calculate the error bounds occurs in iterpolaton.
- know about finite difference operators and their uses in Gregory forward and backward difference interpolation techniques.
- gain idea about Numerical differentiation, learn Methods based on interpolations, methods based on finite differences to calculate approximate numerical value of the derivative of a function at a particular point. Also, students can solve related problems.
- learn the concepts of Numerical Integration and some numerical integration techniques: Newton Cotes formula, Trapezoidal rule, Simpson's 1/3rd rule, Simpsons 3/8th rule, Weddle's rule, Composite trapezoidal rule, composite Simpson's 1/3rd and solve related problems.
- know and apply the method of successive approximations, Euler's method, the modified Euler method, Runge-Kutta methods of orders 2 for soving 1st order, 1st degree ODE with initial conditions.

B.SC. MATHEMATICS PROGRAM UNDER CBCS

Program specific outcomes:

- Students will get a strong and valuable knowledge of mathematics which will help them to think logically and they can apply them in both their personal & professional life throughout.
- Students will have the ability to formulate and then solve the critical and complex type problems.
- Students will create an interdisciplinary relation between the other streams.
- Students will have a creative and logical mind by which they can analyze& solve practical problems in their life.
- Students will apply appropriate techniques and also have the ability of modeling complex and challenging problems.

- The knowledge of Mathematics will make the students ethical and responsible citizen of nation.
- Students will be able to do work as a whole or team or individually and communicate effectively with others.
- Students will recognize the need of self learning and life-long learning to demonstrate the knowledge in the development of society and himself.

Semester-I

Course code: MATP 11 DSC 1
Course Title: Calculus and Geometry .
Course Specific Outcomes

On completion of this area of the course, the student will be able to

- understand the nature of Hyperbolic functions,
- find higher order derivatives and apply the Leibnitz rule to solve problemsrelated to such derivatives
- solve various limit problems using L' Hospital's rule·
- understand the concept of plane, simple and closed curves ,
- learn to convert the Cartesian equation of curve into parametric equation & pedal equation.
- Understand the concept of envelopes, evolute, asymptotes, radius of curvature, curve tracing in Cartesian and polar coordinates of standard curves, Concavity, convexity, cusps and inflection points and solve these related problems.
- derivation of induction formulae and apply the integral calculus to find arc length of a curve, arc length of parametric curves,area enclosed by a curve, area between two curves, area and volume of revolutions.
- understand the reflection properties of conics, rotation of axes and second degree equations, classification of conics using the discriminant, polar equations of conics and solve these related problems.
- know about the properties of spheres, cylindrical surfaces, central conicoids, paraboloids, hyperboloids, plane sections of conicoids, generating lines, classification of quadrics,solve these related problems.

Semester-II

Course code: MATP 21 DSC 2
Course Title: Real Analysis
Course Specific Outcomes

This course offers the students to:

- understand the algebraic and order properties of $\mathbb{R}$, ε-neighborhood of a point in $\mathbb{R}$, brief idea

  about countable and uncountable sets, know Bounded and Unbounded sets , upper and lower bound, L.U.B (Supremam) & G.L.B(infimim) of a set, gain a clear idea of Archimedean property.
- gain knowledge about Completeness property of $\mathbb{R}$ and its equivalent properties. Archimedean property, density of rational (and irrational) numbers in $\mathbb{R}$. Also, fundamental concepts point set

  theory in $\mathbb{R}$: limit points, isolated points, open set, closed set, derived set, Bolzano-Weierstrass

theorem for sets and its importance, compactness in $\mathbb{R}$, Heine-Boreal Theorem and its applications.

- understand about the concept of Sequence and check its convergence, non -convergence, Cauchy sequence, to understand some basic theorems on Subsequences, know about limsup. liminf of a sequence, subsequential limits.
- know about series its definition, convergence and divergence, different types of test such as Comparison test, limit test, Cauchy's nth root test, integral test to check the convergence of infinite series of positive real numbers and also have an idea about alternating series, Leibniz test, Absolute and conditional convergence and related problem.

Semester-III
Course code: MATP 31 DSC 3
Course Title: Algebra
Course Specific Outcomes

On completion of this course, the student will have a clear-cut understanding of some important concepts of Classical Algebra, Abstract Algebra & Linear Algebra as follows:

- understand the basics of Complex number, proof of DeMoiver's theorem and its applications.
- know about Theory of Equations, Fundamental theorem of Classical Algebra with its appliction, relationship between roots and coefficients, Descartes rule of signs, Sturms' theorem, to solve the cubic & bi-quadratic equations, graphical representation of a polynomial and related problems on these.
- have the knowledge of the inequality A.M $\geq$ G.M $\geq$ H.M., concept of weighted means, weighted means and m-th power theorems, Cauchy-Schwartz inequality and its application.
- know about Equivalence relations partition, partially ordered relation, functions, composition of functions, permutations, even and odd permutations, invertible functions.
- understand the basic concept of Integers, Well-ordering property of positive integers, principles of mathematical induction, division algorithm, divisibility and Euclidean algorithm, concept of congruence relation between integers, know about Fundamental Theorem of Arithmetic and its application, solution of linear congruence equations and solving problems using these results.
- gain knowledge about Matrices, Inverse of a matrix, characterizations of invertible matrices, elementary operations of matrices, echelon matrix, row/column reduced echelon matrix, rank of matrix, normal forms, equivalency and congruency of matrices.
- Concepts of Eigen values and eigen vectors of a square matrix, characteristic equation of a matrix, Cayley-Hamilton theorem and its use in finding the inverse of a matrix and related problems on these.
- solve the linear system problems using matrix representation, applications of linear systems.
-

Course code: MATP 33 SEC 1

Course title: Logic and sets
Course Specific Outcomes

The students who complete this course successfully are expected to:

- Gain clear concept of logic, propositions, truth table, logical connectives: Negation, conjunction, disjunction, implications,
- know about biconditional propositions, converse, contra positive and inverse propositions and precedence of logical operators.

- Able to understand Propositional equivalence: Logical equivalences. predicates and quantifiers: Introduction, quantifiers, binding variables and negations and examples
- gain concepts of the natural number sequence, Proof and definition by induction, cardinal numbers, countable sets, cardinal arithmetic, order types, well-ordered sets and ordinal numbers, the axiom of choice, the wellordering theorem, and Zorn's lemma, further properties of cardinal numbers, Some theorems equivalent to the axiom of choice.

OR

Course code: MATP 33 SEC 1
Course Title: Graph theory
Course Specific Outcomes

On completion of this course students will be able to

- understand the concepts of graphs, pseudo graphs, complete graphs, bipartite graphs, isomorphism of graphs and applications
- know about Trees and forests, paths and cycles.
- Gain knowledge about circuits, Eulerian circuits, Eulerian graph, semi-Eulerian graph, theorems, Hamiltonian cycles,theorems
- Can Represents a graph by matrix, the adjacency matrix, incidence matrix, weighted graph.
- Apply graph theory in soving Travelling salesman's problem, shortest path, Tree and their properties, spanning tree, Dijkstra's algorithm, Warshall algorithm. Connectivity, matching in bipartite graphs, matching in general graphs

Semester 4
Course Code: MATP41 DSC 4
Course Title: Differential Equations and Vector Calculus.
Course Specific Outcomes

On completion of this course the students can construct mathematical models of real life , physical, chemical, biological and economic sciences problems by using differential equations and solve them easily. This course offers the students to

- know basic concepts of Differential equations and mathematical models, classification of solutions of a differential equation General, particular, explicit, implicit and singular solutions.
- Gain idea of Exact differential equations and integrating factors, separable equations and equations reducible to this form, linear equation and Bernoulli equations, special integrating factors and transformations.
- learn homogeneous equation of second order with applications and also principle of super position for homogeneous equation, Wronskian: its properties and applications, Linear homogeneous and non-homogeneous equations of higher order with constant coefficients, Euler's equation, method of undetermined coefficients, method of variation of parameters.
- understand the systems of linear differential equations with their types, differential operator method to solve the linear systems with constant coefficients, Basic theory of linear systems in normal form, homogeneous linear systems with constant coefficients two Equations in two unknown functions: and solve related problems on these.
- understandLipschitz condition and Picard's Theorem (Statement only). Equilibrium points, Interpretation of the phaseplane.
- gain idea of vector triple product and its application, understand vector functions, limit and continuity, differentiation and integration of vector functions.and solve relate problems on these.

<p style="text-align:center">Semester-IV
Course code: MATP 43 SEC 2
Course Title: Theory of equations
Course Specific Outcomes</p>

After finishing this course the students will be able to

- learn general properties of polynomials, graphical representation of a polynomial, maximum and minimum values of a polynomials, general properties of equations, Descarte's rule of signs positive and negative rule, Relation between the roots and the coefficients of equations.
- understand symmetric functions and applications of symmetric function of the roots.
- knowabout transformation of equations, method to solve reciprocal and binomial equations. Cardan's method to solve the cubic and Ferrari's method to solve biquadratic equations
- gain idea of properties of the derived functions, Newton's theorem on the sums of powers of roots, homogeneousproducts, limits of the roots of equations.
- Understand separation of the roots of equations, Strums theorem. Applications of Strum's theorem, conditions forreality of the roots of an equation, Solution of numerical equations.

<p style="text-align:center">Course code: MATP 43 SEC 2
Course Title: C programming language
Course Specific Outcomes</p>

This course offers the students to:

- Know about the computer fundamentals: an overview of history of computers and architecture of computer, Concept of compiler, assembler.
- gain basic idea about machine language, high level language, object-oriented language and their differences with examples.
- understand concept of programming language, an overview of C programming language and its importance.
- learn details on different components of C- programming code and their uses in writing a C-program: Characters, Constants and variables data types. Expression, statements, declaration., different kinds of Operators :Arithmetic operators, increment and decrement operators, relational operators, logical operators, assignment operators, conditional operators.
- understand program control statements that is
- conditional: If, if-else, nested if-else statements. Switch, break and continue statements;
- Loop control statements: For, while and do-while statements and examples on these .
- Know about Arrays, One-dimension, two-dimension and multidimensional arrays, declaration and type of arrays, Reading and displaying elements of arrays and examples that shows the uses of these in writing C programming.
- Understand the concepts of User-defined Functions: Function Prototype, Definition of functions and types.
- Know about local and global variables in a function, type of return values, function declaration, nesting of functions, main ( ) function, recurrence of function.
- gain Knowledge of Library functions, e.g. stdio.h, math.h, string.h, stdlib.h, etc. No arguments and no return values, arguments but no return values, arguments with return values, no arguments but returns a value and related programs.

Course code: MATP 52 DSE 1
Course Title: Numerical methods.
Course Specific Outcomes

After finishing this course the students will be able to:

- to understand basics of numerical analysis: Algorithms, Convergence, Errors: Absolute, relative, percentage, inherent, round off, truncation errors.
- apply Bisection method, secant method, Regula-falsi method, fixed point iteration, Newton-Raphson method for simple and multiple roots for solving Transcendental and polynomial equations. Also, know about rate of convergence conditions of convergence of these methods
- learn Gaussian elimination and Gauss Jordan methods. Gauss Jacobi method, Gauss Seidel method and their convergence analysis, LU decomposition method and apply this method to solve System of linear algebraic equations .
- know basic concepts of Interpolation, learn Lagrange and Newton's methods for interpolation and apply these methods, can calculate the Error bounds.
- know about finite difference operators and their uses in Gregory forward and backward difference interpolation techniques.
- gain idea about Numerical differentiation, learn Methods based on interpolations, methods based on finite differences to calculate approximate numerical value of the derivative of a function at a particular point. Also, students can solve related problems.
- learn the concepts of Numerical Integration and some numerical integration techniques: Newton Cotes formula, Trapezoidal rule, Simpson's 1/3rd rule, Simpsons 3/8th rule, Weddle's rule, Composite trapezoidal rule, composite Simpson's 1/3rd rule, Gauss quadratur formula, Romberg integration .
- understand The algebraic eigen value problem, Power method and solve related problems.
- Know about The method of successive approximations, Euler's method, the modified Euler method, Runge-Kutta methods of orders 2 for soving 1st order, 1st degree ODE with initial conditions and apply each of these methods

Course code: MATP 52 DSE 1
Course Title: Numerical Methods LAB(PRACTICAL)
Course Specific Outcomes

This paper offers the students to apply the knowledge of C programming in solving the numerical methods:

- Solution of transcendental and algebraic equations by Bisection method, Newton-Raphson method(for simple root), Regular –Falsi method.
- Interpolation : Lagrange Interpolation, Newton Forward and Backward Interpolation.
- Numerical Integration: Trapezoidal Rule, Simpson's one third rule
- Solution of ordinary differential equations by : Euler method, Runge-Kutta method (4th order only)   **OR**

Course code: MATP 52 DSE 1
Course Title: Group theory and linear algebra
Course Specific Outcomes

On the completion of this course, the students will understand the basic concepts of Group Theory in Abstract/Modern Algebra covered by the following:

- gain idea of the algebraic structre: groupoid, semigroup, monoid, groups, and commutative groups,
- know about elementary properties of groups, finite semigroup with cancellation properties is a group, semigroup containing unique solution of $ax = b$ and $xa = b$ is a group.
- know about some important groups $\mathbb{Z}n$ group, Un group, Klein's 4 group, symmetric group Sn, alternating group An, matrix group $Mn(R)$, multiplicative group of n-th roots of unity, Dihedral group, quaternion group (through matrices) etc.
- concepts of Subgroups and examples of subgroups, necessary and sufficient conditions for a subset of a group to be a subgroup, union and intersection of subgroups, centralizer, normalizer, center of a group, product of two subgroups.
- idea of order of an element and a group. Generators, cyclic group and its properties, necessary and sufficient condition for a group to be a cyclic group ad some related problems.
- know the meaning of Cosets, properties of Cosets, Lagrange's theorem and consequences including Fermat's Little theorem and applications.
- knowledge of normal subgroups, factor/quotient groups, Cauchy's theorem for finite abelian groups, necessary and sufficient conditions for a subgroup of a group to be a normal subgroup and problems on these.
- gain idea of Vector spaces, subspaces, algebra of subspaces, quotient spaces, linear combination of vectors, linear span,linear independence, basis and dimension of a vector space, dimension of subspaces.
- understand Linear transformations, null space, range space, rank and nullity of a linear transformation, matrixrepresentation of a linear transformation relative to ordered bases, algebra of linear transformations, correspondence between LTs and matrices. Isomorphisms.

Course code: MATH 53 SEC-I
Course Title: Theory of Probability
Course Specific Outcomes

This course offers the students to:

- know the basic concept of random experiments, simple and compound events, event space, classical and frequency definitions of probability, axioms of probability, Bayes' theorem.
- understand about independent events, Bernoulli trials and binomial law. Poisson trials, probability distribution function, continuous and discrete distribution: Binomial, Poisson, Gamma, Uniform and Normal distributions.
- know about transformation of random variable, Two dimensional probability distributions, Discrete and continuous distributions, conditional distributions.
- understand the concepts of mathematical expectation, mean, variance, moments and central moments, dispersion, skewness and kurtosis, median, mode quartiles, moment generating function, characteristic equation, correlation co-efficient, Regression curves, least square regression lines and parabolas.
- know the idea of Chi-square and t-distributions and their properties, Tchebychef's inequality, statement of Bernoulli's limit theorem, law of large numbers, Poisson's approximation to

binomial distribution and normal approximation to binomial distribution, statement of central limit theorem in the case of equal components and of limit theorem for characteristic functions.

OR

Course code: MATP 53 SEC 1
Course Title: Differential Geometry
Course Specific Outcomes

This course offers the students to:

- understand the basics of Theory of curves: Parametrization and reparametrization of curves, plane curves, space curves, regular curves.
- know about the curvature, torsion and relation between curvature and torsion of a curve, related problems
- understand the Serret-Frenet formula and its applications,
- gain idea of Osculating plane, osculating circles and osculating spheres,Evolutes and involutes of curves, and related problems.
- know about the Regular surfaces, tangent plane, First and second Fundamental forms. Principal and Gaussian curvatures. Rodrigue's formula. Conjugate and asymptotic lines, and related problems.
- Gain concepts of Developable associated with space curves and curves on surfaces. Minimal surfaces.
- Learn about Geodesics, Canonical geodesic equations.

Course code: MATP 62 DSE 2
Course Title: Metric Spaces and Complex Analysis
Course Specific Outcomes

On completion of this course students will be able to:

- gain idea of Metric spaces, Open and closed balls, neighbourhood, open set, interior of a set in a metric space and related properties
- learn Limit point of a set, closed set, diameter of a set, subspaces, dense sets, separable spaces and related properties
- understand sequences in metricspaces, Cauchy sequences. Complete metric spaces, Cantor's theorem with applications
- know the idea of Limits, continuity & differentiation of functions of complex variable Cauchy-Riemann equations(necessary conditions for differentiability), sufficient conditions for differentiability.
- learn the concepts of Analytic functions with examples, definite integrals of functions, Contours & Contour integrals, able to solve some simple problems on contour integraton, can find upper bounds for moduli of contour integrals.
- know about Cauchy-Goursat theorem, Cauchy integral formula and able to do related problems.
- understandLiouville's theorem and the fundamental theorem of algebra and their applications.
- Learn the concepts of convergence of sequences and series, Taylor series and its examples.

OR

Course code: MATP 62 DSE
Course Title: Linear Programming
Course Specific Outcomes

On completion of this course students will be able to

- learn basic concept of linear programming problem (LPP), its formation and classify type of solutions of it: Basic solution (BS), feasible solution (FS), basic feasible solution (BFS), degenerate and non-degenerate BFS.
- write LPP in Matrix notation,
- know about graphical method to solve LPP.
- learn some well-known method to solve LPP: simplex method, convex sets, optimality and unboundedness, the simplex algorithm, simplex method in tableau format, introduction to artificial variables. Two-phase method, Big-M method and their comparison.
- gain idea of Duality, formulation of the dual problem, primal-dual relationships, economic interpretation of the dual.
- learn Mathematical formulation of Transportation problem, can apply North-west corner method, Least cost method and Vogel approximation method for determination of solution of transportation problem, know algorithm for solving transportation problem.
- learn Mathematical formulation assignment problems and their Hungarian method for solving assignment problem.
- gain idea of Game theory and its application, can Formulate and solve two-person zero sum games, games with mixed strategies,
- know about graphical solution procedure and linear programming solution of games.

Course code: MATP 63 SEC 2
Course Title: Mechanics
Course Specific Outcomes

After finishing this course the students will be able to:

- Gain knowledge about Co-planar forces. Astatic equilibrium of system of particles or rigid body under system of co-planar forces and applications to solve physical problems.
- Know about Friction, Equilibrium of a particle on a rough curve and related problems.
- Understand the concept of Virtual work and uses of virtual work to write down the equation of motion of a particle or system of particles or a rigid body acted upon by a system of forces.
- Know about the general conditions of equilibrium of a rigid body under system of forces, Centre of gravity for different bodies.

- Gain concepts of Stable and unstable equilibrium of a rigid body.
- Know about Equations of motion referred to a set of rotating axes , motion of a projectile in a resisting medium and motion under the inverse square law
- get idea about Stability of nearly circular orbits, Slightly disturbed orbits, Motion of artificial satellites.
- learn the motion of a particle in three dimensions, motion on a smooth sphere, cone and on any surface of revolution.
- Gain concepts of Degrees of freedom. Moments and products of inertia. Momental Ellipsoid. Principal axes., D'Alembert's principle, Motion about a fixed axis and Compound pendulum, and can solve problems on thses,

- Knowledge of Motion of a rigid body in two dimensions under finite and impulsive forces, and can solve related problems.
- Learn the principal of Conservation of momentum and energy , and apply these to solve related problems.

Course code: MATP 62 DSE-IV
Course Title: Boolean Algebra and Automata Theory
Course Specific Outcomes

This course offers the students to

- know about basic properties of ordered sets, maps between ordered sets, duality principle,
- learn about lattices as ordered sets, lattices as algebraic structures, sublattices, products and homomorphisms, properties of modular and distributive lattices.
- understand the concepts of Boolean algebra, Boolean polynomials, minimal and maximal forms of Boolean polynomials, simplification of Boolean functions
- gain idea of Quinn-McCluskey method and Karnaugh diagrams methods to simplify a a Boolean expressions.
- know Logic gates, switching circuits and applications in designing electronic circuits.
- learn grammar and language formation with their classification: Context free, Context sensitive and regular grammars and languages.
- gain idea of finite automata: deterministic and non-deterministic finite automata, know about construction of regular languages accepted by finite automata and vice-versa
- understand regular expressions, regular languages and their relationship with finite automata

Course	Course Objective	Course Specific Outcome
Mechanics (DSC-1+GE)	Mechanics is a fundamental branch of physics that helps in understanding the dynamics of macroscopic object. The course offers a thorough knowledge about the frames of reference, Newtons laws of motion. The course also aims to lay a foundation to understand the dynamics for the system of particles, rotational motions and motion of particle under central force. Understanding the laws of gravitation, laws that guides the motion of celestial objects, application of Newtonian mechanics in satellite launching. Application of mechanics to study the Equation of motion for SHM and energy associated with the system Understand the elastic properties and Einstein's concept of relative frame of reference and postulates of STR.	Students become familiar with the application of mathematical physics in mechanics. Concept of frame of reference and Newton's laws to solve the equation of motion for system of particles, SHM and rotational motions. They acquire the knowledge of gravitation and planetary motion and satellite launching and their location in space and about geostationary satellites. Elastic properties of matter become familiar and one understand how different materials are used to construct various things taking their elastic properties into account. With STR student can now understand how measurement of length, time, events, velocity vary in different frame of references.
Electricity and Magnetism (DSC-2+GE)	Introduction to the concept of electrostatics, electric field, electric flux, potential and electric dipole. Introduction to Gauss theorem and its application in finding the electric field for simple geometric objects. Introduction to the concept of magnetostatics, Biot-Savart's law and Ampere's circuital law and its application to calculated magnetic field density for simple geometric objects. Knowledge of dia-, para-and ferro-magnetic materials. Introduction to electromagnetic induction, Faraday's laws, Lenz's law, self and mutual inductance. Introduction to the theory of electromagnetic waves, establish the Maxwell's equations	Students gets a hand in the application of vector calculus in developing the theory of electrostatic and magnetostatics. Becomes familiar with the application of Gauss theorem, Biot-Savart's law and Ampere's circuital law. They get the idea of different magnetic materials, its properties and hysteresis loop of ferromagnetic material. Electromagnetic nature of light and how the waves travel through vacuum and its propagation in various media.
Thermal Physics and Statistical Mechanics (DSC-3+GE)	Introduction to the concept of laws of thermodynamics, entropy, specific heat capacities and their relations, isothermal and adiabatic processes, Carnot's cycle & theorem and thermodynamic potentials and Maxwells equations. Concept of Kinetic theory of gas, Maxwell's velocity distribution and laws of equipartition of	With the completion of course students gather the concept of thermodynamic systems, quantities related to it and to evaluate a thermodynamic system using thermodynamic potential and Maxwell's equations. They become familiar with the mechanism of black body system and basis of quantum

	energy. Theory of black body radiation and energy distribution of the system. Introduction to Statistical mechanics.	statistics are now known to them. They learn the application of statistical mechanics
Waves and Optics (DSC-4+GE)	Objective here is to establish the concept of superposition principal. Formation of beats, Lissajous figures, standing waves, transverse and longitudinal waves, group and phase velocity. Concept of surface tension, viscosity, and physics of low pressure. The effect of forced vibration and damping on oscillating waves. Introduction to Fourier analysis, measurement of sound intensity, acoustics of buildings. Introduction to electromagnetic property nature of light, wavefront, interference phenomena, diffraction, polarisation.	Develops the ability to perform Fourier analysis of different waveforms and to find the Lissajous figure for different superimposing waves. Formation of beats and harmonics, energy carried by waves and resonance conditions. Skills to estimate the intensity of sound, reverberation time and acoustic aspects of halls and auditoria. Propagation of light waves and how the particle nature can give rise to the phenomenon of interference and diffraction. They learn the production of circularly and elliptically polarised light methods to examine them.
Nuclear and Particle Physics (DSE-1)	Study of different nuclei models that determines the charge, mass and testifies the nuclear structure and energy associates with it. To impart the knowledge of radioactive decay with the emission of alpha, beta and gamma rays, nuclear reactions associated with it, its kinematics and conservation laws. The concept of Rutherford scattering, photoelectric effect, Compton scattering, pair production, neutron interaction with matter is imparted. Introduction of nuclear detectors and particle accelerators. Establish preliminary knowledge of particle physics, their families, conservation of various parameters associated with it.	They gather knowledge about the mechanism of radioactivity, important factors such as binding energy, nuclear magic number, parity, angular momentum, magnetic momentum etc. They now understand the alpha, beta and gamma decay process and formation of elements based on these decay process. They understand the principle of nuclear detectors and particle accelerators and their applications. The concept of particle physics which includes symmetries and conservation laws are now clear to them.
Solid state Physics (DSE-2)	To introduce the concept of crystal lattice structure, unit cell, miller indices, Brillouin Zones, X-rays diffraction, Bragg's Law. Impart the concept of phonons which are unit of vibrations. Detail study about different magnetic materials their cause and properties. Ferromagnetic domains, hysteresis loop and energy loss. Polarisation and its effect, its relation with dielectric constant, dispersion is introduced to the students. The concept of band gap and its variation for conductors, semiconductors and insulators, semiconductor devices and hall effect, hall coefficient are imparted. Introduction to the theory of superconductivity is the important aspect	Students develop the skill to calculate the lattice distance and miller indices of the crystal, problem solving skill for X ray diffraction and application of Bragg's law in solving problems. They understand the origin of different magnetic material and calculate the energy loss with hysteresis loop. The concept of polarization, dielectric material, hall effect, superconductivity.

	of this course.	
Electrical Circuits and Network Skills (SEC-1)	Introduction to basic components of electricity, circuit connection, AC DC currents and devices used to measure them. To teach the symbolic representation, circuit diagrams reading of circuit schematics. Working principle of generators and transformers. Introduction to AC and DC motors, solid state devices and series and shunt connections. Uses of relays, fuse etc for protection of household appliances. Impart a basic knowledge about the components used in electrical wiring, instruments used to detect current, voltage, power etc.	Electricity plays a major role in our lives, with the completion of course the students can understand the basic principles and parameters that governs the flow of electricity. They get hand with the instruments used to measure current, voltage, power etc. Develop the skill to understand the symbolic representations and read the circuit diagrams. Understand the concept of single and three phase ac sources, the application of generators, transforms and motors which are applicable in our everyday life. The principle of fuse, relays, circuit breaker used to protect our household and basic concept of electrical wiring.
Renewable Energy and Energy Harvesting (SEC-2)	Impart the idea of renewable and non-renewable energy, fossil fuel and non-conventional energy such as: Wind Energy, Tidal Energy, Wave energy systems, Ocean Thermal Energy Conversion, solar energy, biomass, biochemical conversion, biogas generation, geothermal energy tidal energy, Hydroelectricity. The importance of solar energy, wind energy, ocean, hydro, geothermal energy. Techniques to harvest them and their applications. Brief theory of piezoelectric effect and material and harvesting energy form it and applications. Introduction to carbon captured technologies.	They are acquainted with the concept of renewable and non-renewable energy, application of non-conventional energy as the alternative source of energy as the fossil fuels are depleting. Piezoelectric material converts the mechanical energy into electrical energy and have a great efficiency and is renewable source of energy. Therefore, students are now aware of this alternate energy source and its importance in the present circumstances. They understand the need of energy conservation, environmental impacts and use of renewable source of energy in order to decrease the environmental degradation.

Course Specific outcomes
B.Sc Zoology Honours and Programme

Semester I	
Curse Name	**Course Specific outcomes**
Core course: 1. **Non-Chordates I**	**After completion of this course students will able to learn-** • About the importance of systematic, taxonomy, structural organization of the animals and will appreciate diversity of non-Chordates. • They will understand evolutionary history and relationships of different Non-Chordates through functional and structural affinities. • They will be able to critically analyse organization, complexity and characteristic features of non-Chordates along with their significance and interactions with the environment. • The paper of Non-chordates will help them to enhance their collaborative learning and communication skills through discussions in the class group.
Core course:2. **Ecology**	**After completion of this course students will able to learn-** • about the paramount role and importance of Nature and Environment. • Understand the population and community characteristics, ecosystem development and climax theories. • Gain knowledge about the types of ecosystems, food chains, food webs, energy models, and ecological efficiencies. • Capable to apply the basic principles of ecology in wildlife conservation and management. • They will understand about the paramount role and importance of Nature. • the knowledge about the judicious use of existing ecological resources for sustainable development.

GE-1 Course-1: Animal Diversity	- The course teaches the students about the diversity of both the vertebrate and the invertebrate members of the animal kingdom. - This course brings into perspective the regular yet largely ignored observances about the members of the animal kingdom and help students to identify and group various animals. - The course leads the students to understand evolutionary relations between different groups in the animal kingdom, their global distribution as well as their conservation status.

Semester II	
Curse Name	**Course Specific outcomes**
Core course 3.Non-Chordates II :	**After completion of this course students will able to learn-** - the origin of multicellular organisms from unicellular eukaryotes - about the concept and diversity of Non-Chordata with an amphasis and distinction in reference to coelom (e.g. in first semester, protista to pseudocoelomates) - about how organisms are classified based in Non-Chordata on their complexity, organization and characters - about Specific features for any group of organisms in non-chordates and their identification
Core course 4. **Cell Biology**	**After completion of this course students will able to learn-** - that cell being the fundamental structural unit defines the function of all living things. - Obtain knowledge of the structures and functions of basic components of prokaryotic and eukaryotic cells, especially macromolecules, membranes, and organelles. - Understand the cellular components underlying cell division. - Compare and contrast the events of cell cycle and its regulation. - Explain the communications of cells with other cells and to the environment.

GE-2 **Human Physiology**	• This course helps the students to know about the basic histology and physiology of human body. Students know how their body functions, what are the chemical changes taking place in their body during any action they do like how their brain and hand coordinate during writing. • They know what the hormones are and how their concentration changes with puberty or some other conditions like menstruation, pregnancy, stress or happy moments. • They also know how their heart, lungs, kidney and other glands work. • They also become aware about various types of diseases of human body. • Thus this course helps the students to keep their body fit by knowing about it.

Semester III	
Curse Name	**Course Specific outcomes**
Core course:5- Chordates	After completion of this course students will understand- • the evolutionary history and relationship between the different classes of chordates. • the different characteristics along with their habits, habitats and distribution of the chordates. • the significance of the differences in physiological systems between the vertebrates. • Distinguish the significance of the chordates from other lower organisms and comprehend their advantages.
Core course 6.Animal Physiology: Controlling and Coordinating systems	After completion of this course students will able to learn- • the structure, location and function of four different tissue and tissue systems of animals. • the structure, function and regulation, of endocrine systems would • The knowledge of the processes underlying male and female reproduction and fertility would be broadened. • Students' interest and passion for biomedical sciences would be invoked.

	After completion of this course students will able to learn-
Core course 7. **Genetics**	• A thorough and in-depth understanding of the chemical basis of heredity • The skills required to plan, carry out, and evaluate the outcomes of genetic experiments in animal model systems.
Skill Enhancement Course-1. Apiculture	After completion of this course students will able to- • Learn about the various species of honey bees in India, their social organization and its importance. • Appreciate the opportunities and employment in apiculture – in public, private andgovernment sector. • Gain thorough knowledge about the techniques involved in bee keeping and honeyproduction. • Make various products and by-products obtained from beekeeping sectorandtheirimportance. • Develop entrepreneurial skills necessary for self-employment in beekeeping sector. • Enhance collaborative learning and communication skills through practical sessions, teamwork, group discussions, assignments and projects.

Semester IV	
Curse Name	**Course Specific outcomes**
Core course: 8. Comparative Anatomy of vertebrates	After completion of this course students will understand- • the comparative account of the different vertebrate systems • Understand the pattern of vertebrate evolution, organisation and functions of various systems. • Learn the comparative account of integument, skeletal components, their functions and modifications in different vertebrates. • Understand the evolution of heart, modification in aortic arches, structure of respiratory organs used in aquatic, terrestrial and aerial vertebrates; and digestive system and its anatomical specializations with respect to different diets and feeding habits. • Learn the evolution of brain, sense organs and excretory organs to a complex, highly evolved form in mammals;

	• Understand the importance of comparative vertebrate anatomy to discriminate human biology.
Core course: 9. Animal Physiology: Life Sustaining systems	**After completion of this course students will be able** • to know basic fundamentals and understand advanced concepts related to systems in the body, their feedback loop controls. • to understand the connections between knowledge of Physiology in relation to real world situations, including healthy lifestyle decisions, diseases and disorders and homeostatic imbalances. • to know the role of self-sustaining systems like circulatory, digestive, respiratory and excretory systems and how all of these work in unison to maintain a balance in the body.
Core course: 10. Fundamentals of Biochemistry	**After completion of this course students will able to learn** • the structural and functional relationships of carbohydrates, proteins and lipids . • the processes in metabolism and regulation of metabolic pathways of carbohydrates and lipids. • the structure and role of purines and pyrimidines in nucleic acids and their types, cot curves, Hypo-hyperchromicity of DNA. • About the enzymes, mechanism of action of enzymes; coenzymes, co-factors, Isozymes; kinetics of enzyme catalysed reactions and enzyme inhibitions and regulatory process. • About basic laboratory techniques and equipments used in biochemistry. • To perform qualitative analysis to characterize properties of various biomolecules and determine the effect of pH and temperature on salivary enzyme.

Skill Enhancement Course-2. Sericulture	**Skill Enhancement Course-2. Sericulture** **After completion of this course students will able to learn** • Overall aspects of Sericulture, namely, Mulberry and non-mulberry silkworms and their food plants, Rearing of the silkworm, Silkworm pathology, Process of silkworm seed production and silk technology. • This course creates awareness among students about the economic importance and suitability of Sericulture in Indian conditions. • various technologies involved in Sericulture.

Semester V	
Curse Name	**Course Specific outcomes**
Core course: 11. **Molecular Biology**	**After completion of this course students will-** • Be able to describe the basic structure of nucleic acids at the molecular level and with a deeper understanding of the structure of DNA students will be able to explain how RNA differs from DNA. • Learn how the DNA is packaged inside the nucleus in association with the histone proteins and organized in a genome. • Explain the underpinnings of the mechanism of DNA replication and repair and will be able to compare and contrast eukaryotic and prokaryotic enzymes involved in DNA replication and repair. • Have a deeper understanding of DNA repair mechanisms, including mismatch repair, base excision, and nucleotide excision repair mechanisms and the repair of double stranded DNA. • Explain the interrelationship of DNA, RNA and protein synthesis and how these interactions are regulated. • Demonstrate the profound understanding of the process of transcription, including the three major steps of initiation, elongation, and termination and how this process is both similar and different in prokaryotic and eukaryotic organisms. • Understand the characteristics of genetic code, how to interpret the codon table and explain the relationship between codons on mRNA and the amino acids in a polypeptide. • Demonstrate the deeper understanding of the mechanisms of post-transcriptional processing and the role of this process in control of gene expression.

	• Understand the general mechanism of RNA splicing, and be familiar with structure and function of spliceosomes.

Core course: 12. **Immunology**	**After completion of this course students will-**
	
	• learn about the history and development of Immunology
	• Learn the features and mechanisms of innate and adaptive immune response;
	   able to describes the mechanisms involved in acute and chronic inflammation
	• learn the acquired knowledge on the immune response to explain defense mechanisms against infectious agents and tumors
	• to apply the acquired knowledge on the immune response to explain the mechanisms involved in immune system alterations and to comprehend the function of vaccines and immunotherapy;
	  - to acquire a correct terminology for the proper presentation of the processes examined.

Discipline Specific Elective -1. Endocrinology	**After completion of this course students will-** • Understand about the different class of hormones, their charecteristics and transport mechanism. • Understand the basics of hormone synthesis and regulation of hormone action. • Understand of basics of regulation of various endocrine hormone axis.
Discipline Specific Elective -2. Animal behaviour and Chronobiology	**After completion of this course students will-** • Understand types of animal behaviour and their importance to the organisms. • Enhance their observation, analysis, interpretation and documentation skills by taking short projects pertaining to Animal behaviour and chronobiology. • Relate animal behaviour with other subjects such as Animal biodiversity, Evolutionary biology, Ecology, Conservation biology and Genetic basis of the behaviour. • Understand various process of chronobiology in their daily life such as jet lag. • Learn about the biological rhythm and their application in pharmacology and modern medicine. • Realize, appreciate and develop passion to biodiversity; andy will respect the nature and environment

	Semester VI
Curse Name	**Course Specific outcomes**
Core course: 13. **Developmental Biology**	**After completion of this course students will-** • Understand the development of multicellular organisms from a single cell zygote. • able to appreciate the mechanisms that support growth and development. • They will able to learn interesting and unique post embryonic development that happens in other animals • It will help them to understand the concept of aging and the relevance of this knowledge in several medical applications. • Learn about different implications of developmental biology.
Core course: 14. **Evolutionary Biology and Biostatistics-**	**After completion of this course students will able to learn-** • About the comprehensive overview of origin of life on earth. • About the salient features of various theories of evolution comprising of Lamarckism, Darwinism and Neo-Darwinism. • About Geological Time Scale, evolution of horse, phylogenetic trees and their interpretations and Neutral Theory of Molecular Evolution. • Population Genetics in terms of Hardy-Weinberg Law, Genetic Drift and Types of Natural Selection. • about Micro-evolutionary changes, Speciation and Adaptive Radiation, detailed outline of Extinctions and its types. • the measurement of central tendency and dispersion; Concept of Correlation and Regression.
Discipline Specific Elective-3. Parasitology	**After completion of this course students will able to learn-** • Define the basic terms in parasitology, List common ectoparasites and endoparasites. • Explain animal associations and their types. • Discuss the life cycle and importance of major parasitic Protists, Platyhelminthes, Nematodes, Arthropods and vertebrates.

Discipline Specific Elective -4. Fish and Fisheries	**After completion of this course students will able to learn-** • General description of fish, classification and feeding habitat of fish. • Morphology and physiology of fishes. • Inland fisheries, in-depth knowledge of different sophisticated cutting edge techniques such as craft, gears, different fish detection methods used in aquaculture and fisheries. • About different fishes used in research and transgenic fishes.

Course Specific Outcomes
M.A Political Sciene two years course
Under CBCS System

SEMESTER -I		
Course Code	**Course Name**	**Course Specific Outcome**
101 Core	Western Political Thought	-Providing an insight into the dominant features of Ancient Western Political Thought: Ancient Greek political thought with focus on Aristotle and Plato; Roman Political Thought: its contributions with special emphasis on the emergence of Roman law. - Examining the features of Medieval Political Thought. - Evaluating the Renaissance; political thought of Reformation; and Machiavelli. - Critically examining Bodin's contributions to the theory of Sovereignty; Hobbes as the founder of the science of materialist politics; Locke as the founder of Liberalism with focus on his views on natural rights, property and consent; and Rousseau's views on Freedom and Democracy; Bentham's Utilitarianism; and John Stuart Mill's views on liberty and representative government. Taking an insight into the following: Hegel's views on Civil Society and State; Utopian and Scientific socialism: basic characteristics. Examining the varieties of non-Marxist socialism: Fabianism, Syndicalism, Guild Socialism, and German Revisionism
102 core	Constitutional Process in India	One of the important aims of this course is to equip students of various disciplines with a basic understanding of the political system in India through the study of Constitution and government at different levels. Upon completion of this paper, students will develop an understanding of Constitution of India and the political system that exists in India. Further the student will have a general understanding about the relation of Constitution as a guiding document with the functioning of various governance institutions at central, state and local level.

103 core	Major Issues in Indian Politics	This Course enables students to develop an understanding of the basic concepts in political theory and engage in critical analysis of the subject. It also gives an opportunity to the students to dwell upon contemporary theories and views of scholars creating a deeper understanding and gain knowledge.
104 core	Indian Administration	• Development Administration as part of development strategy deals with meaning of development administration and to distinguish between traditional and development administration • Students can able to acquire knowledge about the Bureaucracy and its development , role of NGO, Civil Service Structure, Local Self Governments etc.
105 core	Electoral Politics	• Students can able to understand about the representation of the law-making body, • It focuses on the party system, • Deals with Regional and state parties, • Deals with Coalition politics, • Deals with Federalism • Different phases of Electoral Politics.

SEMESTER -II		
Course Code	**Course Name**	**Course Specific Outcome**
201 Core	Public Administration	After completing this course, the students will have a clear understanding of traditional and emerging theories and principles of public administration. This would also acquaint them with changing management practices in the light of expanding public works and the need for greater collaboration with non-state agencies
202 Core	Approaches to the study of International	By doing this course, students will have develop theoretical insights on international relations and global politics. This will help them undertaking academic assignments and research projects related with

	Relations	international issues which are becoming very salient in today's globalized world
203 Soft Core	Indian Political Thought	-Tracing the evolution of Indian political thought from ancient India to modern India. - Analysing the nationalist thought of Raja Rammohun Roy. - Assessing the nationalist thought of Bankim, Vivekananda and Tagore. - Discussing the nationalism of Gandhi, M. N. Roy, Narendra Deva and Syed Ahmed Khan. - Explaining the formation of the Congress in 1885. - Tracing the Bengal Partition and the Swadeshi movement. - Analysing the Gandhian Movements such as the Khilafat, Non Cooperation, Civil Disobedience movements. - Assessing the alternatives to the Indian National Congress- the Forward Bloc, Congress Socialist Party, Communist Party of India. - Describing the movements against caste and untouchability, Ambedkar's views on Social Justice and the depressed classes. - Analyzing the Working Class and Peasant movements under colonial rule - Discussing the roots of communalism- Savarkar and Hindu Nationalism and Jinnah and the two nation theory - Estimating the contribution of the August 1942 movement, the INA and the naval uprising.
204 OR	Indian Foreign Policy	Upon successful completion, students will have the knowledge and skills to: A sound grasp of the key elements of Indian traditions of thought about international relations and foreign policy; An understanding of the fundamentals of foreign policy-making in India; An understanding of the foreign policy challenges facing India; A developed capacity to present strong arguments in their written and oral work and to deploy relevant key facts, concepts and theories (as developed through written assessments, in-class discussions and tutorial-based activities).

205 (Elective)	Social Movement in India (with special reference to Dalit Movement)	Student can learn how to stands for the rejection of the old tradition Hindu social order based on untouchability, socioeconomic inequality casteism, unscientific and irrational religious beliefs and customary servitude. They can speak for the acceptance of a new social order based on equality, liberty and social justice, scientific and rational religious or moral principles, and social, economic, cultural and political development of the Dalit.

SEMESTER -III

Course Code	Course Name	Course Specific Outcome
301 Core	Advanced Political Theory	Explaining nature and scope of Political Science. Discussing different Approaches: (a) Normative approach (b) Behavioural Approach (c) Marxist Approach. - Analyzing the concept of Sovereignty of the State. Discussing Monistic Theory, Pluralistic Theory, Doctrine of Popular Sovereignty. - Evaluating the theories of the State: Contract theory, Idealist theory, Liberal and Neo-liberal theory, Marxist theory and Gandhian theory. - Discussing the nature of International Relations. Analyzing the Liberal Approach and Realist Approach of International Relations. - Accessing the different theories and concepts of Marxism, like Dialectical Materialism and Historical Materialism, concept of Class and Class Struggle, Revolution and Lenin's theory of Imperialism - Explaining Schools of Jurisprudence, Theories of Law and sources of Law - Methods of Representation, Political Parties and Pressure Group. - Accessing the concepts of Rights, liberties and their relationship. - Explaining the theories of Nationalism, Internationalism and fascism.
302 Core	Comparative Politics	-Tracing the evolution of Comparative Politics as a discipline and drawing a distinction between Comparative Politics and Comparative Government. - Investigating the nature and scope of Comparative Politics. - Analyzing the approaches the approaches and models of comparison: systems analysis; structural functionalism; and institutional approach. - Critically analyzing the features of a liberal democratic and socialist political system with focus on UK, USA and the People's Republic of China. - Discussing the features of a federal system with special reference to USA and Russia. - Conducting an intensive comparative study of the Executive (UK, USA, France and Russia); Legislature (UK, USA and the PRC); the Judiciary (UK, USA and PRC). - Critically looking at the rights of the citizens of UK, USA and PRC from a comparative perspective.

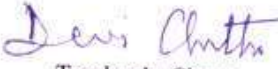|		
303 Soft Core	Research Methodology	This paper trains the students to undertake research by familiarizing them with the basic and advance tools and techniques of field studies. It would also familiarize them with the philosophical foundation of research methods in social sciences. Upon completion of this paper, students will be able to design research projects, conduct field investigations and carry out experimental plus qualitative research.
304	Women and Politics	Upon successful completion, students will have the knowledge and skills to: A developed capacity to present strong theoretical arguments in their written work and to deploy relevant key facts, concepts and Role of Tradition and Modernity.

OR 305 (Open Elective		theories (as developed through written assessments, in-class discussions and tutorial-based activities). Reflect on the importance of gender and feminist perspectives to understand political phenomenon. Explain the key concepts and themes in the study of women and politics. Apply these concepts and themes to current cases and/or countries. Research and argue about a specific topic concerning gender issues.
	Human Rights	This course enables students to develop a theoretical understanding of the concept of Human Rights. It gives a historical and global perspective on human rights. The course outline also contains a detailed institutional framework set up to deal with human rights violations. The inclusion of an understanding of rights of various vulnerable sections of society gives within the human rights perspective provides a global testimony to importance of rights to all.

IV Semester		
401 Core	Political Economy of Development	After completing this course students will develop a clear and comprehensive understanding of fundamental theories and dynamics of political economy in India. The paper serves to familiarize students with the contemporary issues and trends of political economy that could be further researched within an interdisciplinary conceptual framework
402 Soft Core	Political Sociology	Studying the concepts of Power, Authority and Legitimacy in the context o society. Examining social stratification through the index of class, caste and elite.

		Evaluating the impact of Religion on society. Relating Gender and Politics Creating awareness among students about Nationalism and State building processes in Western Europe and third world Establishing State –society interrelationship. Classifying the different types of Political systems. Discussing the approaches to the study of Political Culture. Evaluating the different agents of Political Socialization and their interrelationships. Evaluating the concept and types of Political Participation. Discussing the relation between Military and Politics with reference to conditions and types of intervention Studying groups in politics: political parties and pressure groups. Assessing the approaches to Political Communication; Electoral Behaviour Evaluating the concept of Political Development and Social Change-
403 Elective	Political Ideologies	After completion the students can able to learn the ideas of great Political Thinkers of ancient as well as modern period. To understand the concept of Communitarianism, Multiculturalism, Liberalism etc. Multiculturalism is a situation in which all the different cultural or racial groups in a society have equal rights and opportunities . It helps the students to understand the importance of equality of different cultures.
404 Elective	Administrative Theory	After completing this course, the students will have a clear understanding of traditional and emerging theories and principles of public administration. This would also acquaint them with changing management practices in the light of expanding public works and the need for greater collaboration with non-state agencies.
405 OR 406 (Elective)	Aspects of Politics in West Bengal	This course on the state politics in India will develop an understanding in the students about the historical and emerging trends in political process in the India states. The students will understand the federal process in India, the issues underlying political dynamics of regions, the changing power relations between centre and states over a period of time and the nature of party system and electoral politics at the state level
	Peace and Conflict Resolution	Upon successful completion, students will have the knowledge and skills to: • A developed capacity to understand how difficult and fragile the negotiation process is and how conflict can form. • An understanding of the design and management

| | | methods of negotiation, mediation practice and students will be able to bring their improved negotiation skills to bear and support others in negotiation and resolving conflicts peacefully.

• The course defines and explains the role of mediators who are involved as a third party to assist the parties when they have failed to reach an agreement. After doing this simulation, students will be able to apply their negotiation skills to assist others in the mediation process and resolve conflicts peacefully and students will be able to compare the local approaches with the modern conflict resolution. |

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