

COURSE OUTCOMES IN DETAIL – DEPARTMENT WISE

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1. **B.Com. (Honours)**

Paper No – BCH 1.2: Semester - I FINANCIAL ACCOUNTING

Objective: To acquire conceptual knowledge of the financial accounting and to provide knowledge about the techniques for preparing accounts in different business organizations.

Paper No – BCH 1.3: Semester - I BUSINESS LAWS

Objective: To impart basic knowledge of the important business laws along with relevant case laws.

Paper No – BCH 1.4 (a): Semester - I MICRO ECONOMICS (GE)

Objective: To acquaint the students with the concepts of micro economics dealing with consumer behaviour and also understand the behaviour of firms under different market structures.

Paper No – BCH 1.4 (b): Semester - I INSURANCE AND RISK MANAGEMENT (GE)

Objective: To develop an understanding among students about identifying analysing and managing various types of risk. Besides the students will be in a position to understand principles of insurance and its usefulness in business, along with its regulatory framework.

Paper No – BCH 2.2: Semester - II CORPORATE ACCOUNTING

Objective: To acquire the conceptual knowledge of the corporate accounting and to understand the various techniques of preparing the accounting and financial statements.

Paper No – BCH 2.3: Semester - II CORPORATE LAWS

Objective: To impart basic knowledge of the provisions of the Companies Act, 2013 and the Depositories Act, 1996. Case studies involving issues in corporate laws are required to be discussed.

Paper No – BCH 2.4 (a): Semester - II MACRO ECONOMICS (GE)

Objective: To provide the students with knowledge of basic concepts of the macro economics and modern tools of macro economics analysis.

Paper No – BCH 2.4 (b): Semester – II INVESTING IN STOCK MARKETS (GE)

Objective: To provide basic skills to operate in stock market and the ways of investing in it. It will enable the student to take up investment in stock market independently.

Paper No – BCH 3.1: Semester – III HUMAN RESOURCE MANAGEMENT

Objective: To acquaint students with the techniques and principles to manage human resource of an organisation.

Paper No – BCH 3.2: Semester – III INCOME TAX LAW AND PRACTICE

Objective: To provide basic knowledge and equip students with application of principles and provisions of Income-Tax Act, 1961.

Paper No – BCH 3.3: Semester – III MANAGEMENT PRINCIPLES AND APPLICATIONS

Objective: To provide the student with an understanding of basic management concepts, principles and practices.

Paper No – BCH 3.4 (a): Semester – III BUSINESS STATISTICS (GE)

Objective: To familiarize students with the basic statistical tools used to summarize and analyze quantitative information for decision making.

Paper No – BCH 3.4 (b): Semester – III PROJECT MANAGEMENT (GE)

Objective: To enable the student to evolve a suitable framework for the preparation, appraisal, monitoring and control and hedge risk of industrial project.

Paper No – BCH 3.5 (a): Semester – III E-COMMERCE (SEC)

Objective: To enable the student to become familiar with the mechanism for conducting business transactions through electronic means.

Paper No – BCH 3.5 (c): Semester – III E-MARKETING (SEC)

Objective: This course aims at providing the knowledge of concept, tools and techniques of E-marketing.

Paper No – BCH 4.1: Semester - IV COST ACCOUNTING

Objective: To acquaint the students with basic concepts used in cost accounting and various methods involved in cost ascertainment systems and use of costing data for planning, control and decision making.

Paper No – BCH 4.2: Semester - IV BUSINESS MATHEMATICS

Objective: To familiarize the students with the basic mathematical tools with emphasis on applications to business and economic situations.

Paper No – BCH 4.3: Semester - IV COMPUTER APPLICATIONS IN BUSINESS

Objective: To provide computer skills and knowledge for commerce students and to enhance the student understands of usefulness of information technology tools for business operations.

Paper No – BCH 4.4 (a): Semester - IV INDIAN ECONOMY (GE)

Objective: To acquaint the students with the policy regimes, structure and sectoral trends of Indian economy.

Paper No – BCH 4.4 (b): Semester - IV ECONOMICS OF REGULATION OF DOMESTIC AND FOREIGN EXCHANGE MARKETS (GE)

Objective: To acquaint the students with the economics of regulation of domestic and foreign exchange markets.

Paper No – BCH 4.5 (a): Semester - IV ENTREPRENEURSHIP (SEC)

Objective: To understanding about entrepreneurship and creative thinking and behaviour for effectiveness at work and in life.

Paper No – BCH 4.5 (b): Semester - IV COLLECTIVE BARGAINING AND NEGOTIATION SKILLS (SEC)

Objective: To promote understanding of the concept and theories of collective bargaining and also to provide exposure to the required skills in negotiating a contract.

Paper No – BCH 4.5 (c): Semester - IV E-FILING OF RETURNS (SEC)

Objective: To provide the students the conceptual and practical knowledge about electronic filing of returns.

Paper No – BCH 4.5 (c): Semester - IV CYBER CRIMES AND LAWS (SEC)

Objective: This paper intends to create an understanding towards the cybercrimes and to familiarize the students with the application of cyber laws in general.

Paper No – BCH 5.1: Semester - V PRINCIPLES OF MARKETING

Objective: The objective of this course is to provide basic knowledge of concepts, principles, tools and techniques of marketing.

Paper No – BCH 5.2: Semester - V FUNDAMENTALS OF FINANCIAL MANAGEMENT

Objective: To familiarize the students with the principles and practices of financial management.

Paper No – BCH 5.3(a): Semester - V MANGEMENT ACCOUNTING

Objective: To impart the students, knowledge about the use of financial, cost and other data for the purpose of managerial planning, control and decision making.

Paper No – BCH 5.3(b): Semester - V ORGANISATIONAL BEHAVIOUR

Objective: To develop a theoretical understanding among students about the structure and behaviour of organization as it develops overtime. The course will also make them capable of realizing the competitiveness for firms.

Paper No – BCH 5.4(d): Semester - V ADVERTISING

Objective: The objective of this course is to familiarize the students with the basic concepts, tools and techniques of advertising used in marketing.

Paper BCH 5.4(e): Semester - V BUSINESS STATISTICS

Objective: To familiarize students with the basic statistical tools used to summarize and analyze quantitative information for decision making.

Paper No – BCH 6.1: Semester - VI AUDITING AND CORPORATE GOVERNANCE

Objective: To provide knowledge of auditing principles, procedures and techniques in accordance with current legal requirements and professional standards.

Paper No – BCH 6.2: Semester - VI GOODS & SERVICE TAX (GST) & CUSTOMS LAW

Objective: To provide students with a working knowledge of principles and provisions of GST and Customs Law.

Paper No – BCH 6.3 (a): Semester – VI FUNDAMENTALS OF INVESTMENT

Objective: To familiarize the students with different investment alternatives, introduce them to the framework of their analysis and valuation and highlight the role of investor protection.

Paper No – BCH 6.3 (d): Semester – VI NEW VENTURE PLANNING

Objective: The curriculum aims at giving exposure to students regarding different aspects of setting up a new business. After completing the course student should be able to develop an understanding of the process of identifying various sources of new business ideas of products and services. The understanding of this paper will help them to examine, evaluate and approach different sources of finance, the nature of marketing effort required and to develop a comprehensive business plan.

Paper No – BCH 6.4 (a): Semester – VI FINANCIAL REPORTING AND ANALYSIS

Objective: To gain ability to understand, analyse and interpret the basic framework of financial reporting.

Paper No – BCH 6.4 (c): Semester – VI INTERNATIONAL BUSINESS

Objective: The objective of the course is to expose students to the concept, importance and dynamics of international business and India's involvement with global business operations.

2. B.Com.

Paper No – BC 1.2: Semester –I FINANCIAL ACCOUNTING

Objective: The objective of this paper is to help students to acquire conceptual knowledge of the financial accounting and to impart skills for recording various kinds of business transactions.

Paper No – BC 1.2: Semester –I BUSINESS ORGANISATION AND MANAGEMENT

Objective: The course aims to provide basic knowledge to the students about the organisation and management of a business enterprise.

Paper No – BC 2.2: Semester - II BUSINESS LAWS

Objective: To objective of the course is to impart basic knowledge of the important business laws along with relevant case laws.

Paper No – BC 2.3: Semester - II BUSINESS MATHEMATICS AND STATISTICS

Objective: The objective of this course is to familiarize students with the applications of Mathematics and statistical techniques in business decisions.

Paper No – BC 3.1: Semester - III COMPANY LAW

Objective: The objective of the course is to impart basic knowledge of the provisions of the Companies Act, 2013. Case studies involving issues in company laws are required to be discussed.

Paper No – BC 3.2: Semester – III INCOME TAX LAW AND PRACTICE

Objective: To provide basic knowledge and equip students with application of principles and provisions of Income-Tax Act, 1961.

Paper No – BC 3.4 (a): Semester – III COMPUTER APPLICATIONS IN BUSINESS (SEC)

Objective: To provide computer skills and knowledge for commerce students and to enhance the student understanding of usefulness of information technology tools for business operations.

Paper No – BC 3.4 (b): Semester - IV CYBER CRIMES AND LAWS (SEC)

Objective: This paper intends to create an understanding towards the cyber crimes and to familiarize the students with the application of cyber laws in general.

Paper No – BC 4.2: Semester - IV CORPORATE ACCOUNTING

Objective: To help the students to acquire the conceptual knowledge of the corporate accounting and to understand the various techniques of preparing the accounting and financial statements.

Paper No – BC 4.3: Semester - IV COST ACCOUNTING

Objective: To acquaint the students with basic concepts used in cost accounting and various methods involved in cost ascertainment systems and use of costing data for planning, control and decision making.

Paper No – BC 4.4 (a): Semester – IV E-COMMERCE (SEC)

Objective: To enable the student to become competent to understand the mechanism for excelling in e-commerce based employments and self-employment opportunities.

Paper No – BC 4.4 (b): Semester – IV INVESTING IN STOCK MARKETS (SEC)

Objective: This paper intends to provide basic skills to operate in stock market and the ways of investing in it. It will enable the student to take up investment in stock market independently.

Paper No – BC 5.1 (a): Semester – III HUMAN RESOURCE MANAGEMENT

Objective: The objective of the course is to acquaint students with the techniques and principles to manage human resource of an organisation.

Paper No – BC 5.1 (b): Semester - V PRINCIPLES OF MARKETING

Objective: The objective of this course is to provide basic knowledge of concepts, principles, tools and techniques of marketing.

Paper No – BC 5.2 (a): Semester - V FUNDAMENTALS OF FINANCIAL MANAGEMENT

Objective: To familiarize the students with the principles and practices of financial management.

Paper No – BC 5.2 (b): Semester - V GOODS & SERVICE TAX (GST) & CUSTOMS LAW

Objective: To provide students with a working knowledge of principles and provisions of GST and Customs Law.

Paper No – BC 5.3 (a): Semester - IV ENTREPRENEURSHIP (SEC)

Objective: The purpose of the paper is to provide orientation towards entrepreneurship as a career option and encourage creative thinking for effectiveness at work and in life.

Paper No – BC 5.3 (b): Semester - V ADVERTISING (SEC)

Objective: The objective of this course is to familiarize the students with the basic concepts, tools and techniques of advertising used in marketing.

Paper No – BC 5.4 (a): Semester - V PRINCIPLES OF MICRO ECONOMICS (GE)

Objective: objectives of the course to acquaint the students with the concepts of micro economics dealing with consumer behaviour and make them understand the supply side of the market through the production and cost behaviour of firms.

Paper No – BC 5.4 (b): Semester - V ECONOMICS OF REGULATION OF DOMESTIC AND FOREIGN EXCHANGE MARKETS (GE)

Objective: To acquaint the students with the economics of regulation of domestic and foreign exchange markets.

Paper No – BC 6.1(c): Semester - VI MANGEMENT ACCOUNTING

Objective: To provide the students knowledge about use of cost data for planning, control and decision making.

Paper No – BC 6.2 (a): Semester – VI INTERNATIONAL BUSINESS

Objective: The objective of the course is to expose students to the concept, importance and dynamics of international business and India's involvement with global business operations. The course also discusses theoretical foundations of international business to the extent these are relevant to understand the mechanics of global business operations and development.

Paper No – BC 6.2 (c): Semester – VI FUNDAMENTALS OF INVESTMENT

Objective: To familiarize the students with different investment alternatives, introduce them to the framework of their analysis and valuation and highlight the role of investor protection.

Paper No – BC 6.2(e): Semester - VI ORGANISATIONAL BEHAVIOUR

Objective: The objective of the course is to develop a theoretical understanding among students about the structure and behaviour of organization as it develops overtime. The course will also make them capable of realizing the competitiveness for firms.

Paper No – BC 6.3(a): Semester - VI PERSONAL SELLING AND SALESMANSHIP

Objective: The purpose of this course is to familiarize the students with the fundamentals of personal selling and the selling process.

Paper No – BC 6.3 (b): Semester - VI COLLECTIVE BARGAINING AND NEGOTIATION SKILLS

Objective: To promote understanding of the concept and theories of collective bargaining and also to provide exposure to the required skills in negotiating a contract.

3. B.A. (Honours) in Business Economics

CORE DISCIPLINE COURSES

Semester-I (C-1) : PAPER NAME - MICROECONOMICS AND APPLICATIONS- I

This course includes the basics of Microeconomics such as demand and supply analysis, consumer theory, production theory, cost theory and market structure. The understanding of these basics is required for higher education in management/economics and also for cost and benefit analysis in corporate organizations. Thus, the scope of this course includes teaching, research in management/economics and business analysis.

Semester-I (C-2) : PAPER NAME - ACCOUNTING FOR MANAGERS

To help the student to acquire conceptual knowledge of the fundamental of financial accounting and to learn the technique of recording business transaction. It also imparts student to understand basic concept and methods used in ascertaining cost. Also paper helps them to get knowledge about use of costing data for planning and decision making.

Semester-II (C-3) : PAPER NAME - MICROECONOMICS AND APPLICATIONS – II

This course includes the basics of Microeconomics such as demand and supply analysis, consumer theory, production theory, cost theory and market structure. The understanding of these basics is required for higher education in management/economics and also for cost and benefit analysis in corporate organizations. Thus, the scope of this course includes teaching, research in management/economics and business analysis.

Semester-II (C-4) : PAPER NAME - MATHEMATICS FOR BUSINESS ECONOMICS

This course is core paper for the students studying undergraduate course in business economics. It explains how economic theories can be used or tested practically. Using mathematical approach, economic theories can be proved by using realistic data available on various variables. When economic theories are mathematically represented, it becomes easier to understand them as well as relationship between different variables can be easily seen. Introduction of calculus into economics will teach students to how to analyze economy around them and emerge as a future economist. This paper allows student to understand how they can use mathematical economics model to predict future.

Semester-III (C-5) : PAPER NAME - MACROECONOMICS AND APPLICATIONS – I

Macroeconomics & Applications is designed to create a strong orientation towards application of economics and related tools at various functions of an enterprise The course is an in-depth study of macroeconomics. This course helps students apply the fundamentals and concepts of economics to the day-to- day business problems The course not only talks about the theories of consumption and investment but also about the contemporary financial situation of the country and its relations with the foreign countries. It develops theoretical and analytical skills of the students. In the rapidly changing globalized market scenario, the need was felt to equip students with the capability to understand and handle the dynamic of economics and the business world.

Semester-III (C-6) : PAPER NAME - STATISTICS FOR BUSINESS ECONOMICS

The course is an introduction to the essential concepts, tools and methods of statistics for students in business economics and similar disciplines. This Statistics course is first step to learn how to make sense of piles of data using the graphical and numerical measures. This course aims at providing students with an understanding of inferential statistics (making valid generalizations from sample data). The focus is on concepts, reasoning, interpretation and thinking rather than computation, formulae and theory.

Semester-III (C-7) : PAPER NAME - CORPORATE FINANCE

The objective of the paper is to familiarize the students with the principles and practices of managing the finances of a corporate. With a view to enable the future managers and entrepreneurs to understand each and every aspect relating to the financing of a company the curriculum lucidly explains and begins with the basic concepts of finance, its importance and techniques like time value of money.

A unit wise comprehensive coverage of all the financial management decisions of investing (capital budgeting and working capital management), financing decision (sources and cost of capital) and

dividend payment through an analytical approach the course helps to understand the dynamic discipline of corporate finance.

Semester-IV (C-8) : PAPER NAME - MACROECONOMICS AND APPLICATIONS – II

Macroeconomics & Applications is designed to create a strong orientation towards application of economics and related tools at various functions of an enterprise. The course is an in-depth study of macroeconomics. This course helps students apply the fundamentals and concepts of economics to the day-to-day business problems. The course not only talks about the theories of consumption and investment but also about the contemporary financial situation of the country and its relations with the foreign countries. It develops theoretical and analytical skills of the students. In the rapidly changing globalized market scenario, the need was felt to equip students with the capability to understand and handle the dynamic of economics and the business world.

Semester-IV (C-9) : PAPER NAME - BASIC ECONOMETRICS

This course is a core course offered in the fourth semester of the BBE program. The course provides a sound foundation for advanced applied econometric courses. An introductory, though challenging course in econometric methods, the course has wide applications in analyzing survey and secondary data in academics, research institutions and industry. Topics include the classical linear regression model, multiple regression model, functional forms and dummy variables, multicollinearity, heteroscedasticity, auto correlation, and specification errors. The core textbook is Basic Econometrics by D. Gujarati. Learning outcomes include application of econometric techniques to analyze and interpret micro level as well as aggregate level cross section, time-series and pooled data.

Semester-IV (C-10) : PAPER NAME - MARKETING MANAGEMENT

The basic purpose of marketing management is to make students understand, how to achieve the objectives of the business. A business aims at earning reasonable profits by satisfying the needs of customers. It helps in understanding Creation of Demand, Customer Satisfaction, Market Share, Generation of Profits and Creation of Goodwill and Public image. Thus this marketing management paper attempts to make students understand how important it is to raise the goodwill of the business by initiating image-building activities such as sales promotion, publicity and advertisement, high quality, reasonable price, convenient distribution outlets, etc.

Semester-V (C-11) : PAPER NAME - QUANTITATIVE TECHNIQUES FOR MANAGEMENT

This course deals with the quantitative techniques required for production analysis and gives the students a new opportunity to learn how market mechanism behaves. Though there is little bit of economics involved in it, it actually a commerce course.

Semester-V (C-12) : PAPER NAME - ORGANIZATION BEHAVIOR

The purpose of this paper is to impart the student an understanding of state of art of management and business concept practices with a view to preparing them to face the emerging challenge of managing resources, managing business processes and managing managers.

Semester-VI (C-13) : PAPER NAME - INTERNATIONAL ECONOMICS

This paper is offered to the third-year honors students of business economics in their last semester. The focus of the paper is on making students aware about the very foundation of international trade. This becomes more important in today's scenario with India trying to vie new markets with its now open economy. The students are navigated through the journey of different theories of international trade at different points of time, along with their criticisms. This helps in development of a critical analytical capacity of the students while approaching any new theory. This paper also provides a reference point with respect to the current practices followed in international markets of goods, services and currencies.

Semester-VI (C-14) : PAPER NAME - LEGAL ASPECTS OF BUSINESS

The objective of this course is to familiarize the students with various laws that will help them to refine their understanding of how law affects the different aspects of business. This course provides an Introduction to Business law, Companies Act 2013, Intellectual Property Rights, Consumer Law and Competition Act with particular emphasis on those aspects of the law that impact most upon business and various stakeholders. It is designed for students with no legal background and serves as an introduction to legal concepts. The intention of this course is to prepare students to be successful both personally and professionally in an information-based society. On completion of the course, the students will be able to recognize the impact of Indian legal environment on business.

DISCIPLINE SPECIFIC ELECTIVE COURSE (DSE)

Semester-V/VI (DSE-1) : ELECTIVE PAPER NAME - ECONOMIC GROWTH & DEVELOPMENT

This paper is offered as an elective paper to the fifth semester students of BBE. The purpose of the paper is to introduce students to the concept of economic development, distinction between growth and development, and the common characteristics of developing countries. It also introduces them to different growth models such as Harrod-Domer growth model, Solow model, and Lewis model among others. It also throws light on the role of human capita, intellectual capital, poverty, technological progress, state and the market in economic growth and development.

Semester-V/VI (DSE-2) : ELECTIVE PAPER NAME - INDUSTRIAL ECONOMICS

The paper, Industrial Economics, offered to Business Economics Honors, semester five, students cover a wider aspects of market structure, market concentration, different indexes of concentration, strategic behavior, entry and exit conditions, entry barriers, mergers and acquisitions, double marginalization and two part tariffs, vertical differentiation, product differentiation, predation, dynamics of research and development competition, public policy, social welfare, externalities and patent and copyright protection.

All these topics make student understand about the functioning of market led economy in the competitive industrialized era. The developed countries are the 'Headquarters' of such industrialized innovations and inventions where there is no dearth of capital as well as skill. The developing economies like India is in fact 'Factory' where there is abundance of semi-skilled and unskilled labour power. Our budding corporates need to get knowledge of such papers to deal with economic and industrialized setup of globalized world to bring home country on global map.

Semester-V/VI (DSE-3) : ELECTIVE PAPER NAME - INVESTMENT AND RISK MANAGEMENT

The object is to familiarize the student with different investment alternatives, introduce them to the framework of their analysis and valuation and highlight the role of investor protection.

Semester-V/VI (DSE-5) : ELECTIVE PAPER NAME - INDIAN ECONOMY

The paper, Indian Economy, offered to Business Economics Honours, semester six, students cover a wider aspects of economic reform, liberalization and beyond, global slowdown, India reaching to the position of fastest growing economy, macro-economic indicators of Indian economy, demographic indicators and social indicators, food and nutritional level, agricultural growth and productivity, food security and minimum support prices, Industrial growth and performance, foreign capital and portfolio investment flows and service sector and it's role in economic development.

Each unit of the reference make students familiar with the different phases of transformations through which Indian economy has passed and recently reached to the phase where dismal growth is evident in almost all spheres of economic and social fields. These units make these students understand why there was policy change from state-led economy to the market led economy. What was the economic and social situation in pre and post economic reform and what was the impact of

global economic crisis and what strategic ways adopted by our policy makers to resolve the crisis situation.

No doubt by studying these papers students get wider perspective to understand and analyze the facts related to macro-economic trends, fiscal trends, sectoral trends and demographic trends. Knowledge of these papers provide the students a wider vision and deeper insight to think and actively work on the issues which are proving as the biggest hurdles in the overall growth and development of the economy.

Semester-V/VI (DSE-7) : ELECTIVE PAPER NAME-INDIAN FINANCIAL MARKETS AND SERVICES

The course aims at providing the students, basic knowledge about the Finance concepts, markets and various services provided in those markets. The syllabus is structured in a way which provides adequate information about the roles of intermediaries and its regulating bodies. The course also provides information about the prevailing financial system in India.

Semester-V/VI (DSE-8) : ELECTIVE PAPER NAME - ADVERTISING & CONSUMER BEHAVIOUR

Target markets are fragmenting as today's consumers are increasingly selective in product choice. Simultaneously, product life cycles are shortening, competition is intensifying, and the new product failure rate is growing. Understanding the consumer buying process can make the difference between success and failure in consumer advertising strategies.

This course focuses on the universal principles of Consumer Behavior-the cultural, social, individual and ethical influences on consumer buying behavior, within the overall framework of the current research and knowledge on consumer decision making. This course places particular emphasis on the conceptual foundations of consumer behavior, and how these variables impact advertising strategy decision-making; that is, practical applications of the theoretical knowledge base. Current examples in advertising, product/service planning, brand management, marketing segmentation, positioning strategy and pricing and distribution strategy will be integrated with the concepts and theories throughout the course. In addition, a number of individual, group, and video exercises will be used in the course.

SKILL ENHANCEMENT COURSES (SEC)

Semester-III/IV (SEC-2) : PAPER NAME - INTRODUCTORY RESEARCH METHODS

This course is much beneficial for students. It gives the opportunity how to deal with research. This basically helps students to know details of conducting future research.

Semester-III/IV (SEC-4) : PAPER NAME - DATA BASE AND STATISTICAL PACKAGES

This course aims at imparting basic knowledge and skills of handling statistical packages such as SPSS and Excel Tool Pak which are soft-wares specially designed to aid in data exploration, visualization, and statistical analysis. Students get a first-hand experience in handling data and applying appropriate data analysis techniques which they learn in theoretical papers on Statistics and Econometrics. The fruitful learnings from this paper are used by students in their project works in the remaining semesters, in their research work as well in their professions requiring analytical work.

GENERAL ELECTIVE COURSES –Interdisciplinary

SEMESTER-I (GE1) : PAPER NAME - MICROECONOMICS

This course includes the basics of Microeconomics such as demand and supply analysis, consumer theory, production theory, cost theory and market structure. The understanding of these basics is required for higher education in management/economics and also for cost and benefit analysis in corporate organizations. Thus, the scope of this course includes teaching, research in management/economics and business analysis.

Semester-II (GE2) : PAPER NAME - MACROECONOMICS

The benefits of learning Macroeconomics to students are manifold. It helps students to understand the complex working of the economy and how the level of national employment is determined on the basis of demand & supply. Gives insight of fiscal and monetary policy of the country. How RBI functions and keeps a balance between various macroeconomics variables like inflation, Interest rate & money supply and finally How country deal with rest of the world and what are the implications of interaction on our domestic growth. Thus this subject provides the understanding of the overall working of the economy to the students.

Semester-III (GE3) : PAPER NAME - FUNDAMENTALS OF FINANCE AND ITS APPLICATIONS

The paper aims to help students to appreciate and understand how financial markets and institutions operate. It introduces financial institutions and other market participants, their roles in the financial system and the ways they interact with each other. A second and equally important objective is to help students to understand commonly used financial instruments and how they work. It also provides coverage of Financial Regulators, Financial Management and Basics of Financial Accounting, further, it enables the students to understand the functioning of various types of financial institutions (Banking companies and Non-Banking Financial Companies) and their contemporary issues. Thus, providing a solid foundation for further study and application of financial knowledge and skills in financial system entirety.

Semester-IV (GE4) : PAPER NAME - INTRODUCTION TO MARKETING MANAGEMENT

The basic purpose of marketing management is to make students understand, how to achieve the objectives of the business. A business aims at earning reasonable profits by satisfying the needs of customers. It helps in understanding Creation of Demand, Customer Satisfaction, Market Share, Generation of Profits and Creation of Goodwill and Public image. Thus this marketing management paper attempts to make students understand how important it is to raise the goodwill of the business by initiating image- building activities such a sales promotion, publicity and advertisement, high quality, reasonable price, convenient distribution outlets, etc.

4. B.A. (Hons.) in Economics**SEMESTER I****C-1: INTRODUCTORY MICROECONOMICS**

This is an introductory paper that teaches the fundamentals of microeconomics, providing students with a solid foundation for economic analysis. The paper begins with an introduction to supply and demand, and the basic forces that determine equilibrium in a market economy. Next, it introduces a framework for learning about consumer behaviour and analysis of consumer decisions, going on to the behaviour of firms and their decisions about optimal production, along with the impact of different market structures on firms' behaviour. By the end of the paper, students are able to understand introductory microeconomic theory, solve basic microeconomic problems, and use these techniques to think about a number of policy questions relevant to the operation of the real economy.

C-2: MATHEMATICAL METHODS FOR ECONOMICS-I

This paper provides the basic mathematical prerequisites for other papers in the Honours, Masters' and Ph.D programs, and the mathematical techniques and methods used by economists in academics, research, and industry. The paper covers number systems, logic and proof techniques, sets and set operations, relations and functions, functions of one real variable, single-variable optimization, integration of functions, and difference equations. The core textbook is *Mathematics for Economic Analysis* by Knut Sydsaeter and Peter Hammond. Learning outcomes include the facility to express

economic ideas using mathematics, and expertise in analyzing economic models using mathematical methods.

GE-1(a) (FOR HONOURS): INTRODUCTORY MICROECONOMICS

The purpose of this paper is to familiarize students with the basic concepts of microeconomics, such as, demand and supply, consumer equilibrium, firm's equilibrium, cost theory, and different market structures. Knowledge of these concepts helps students understand the theoretical mechanisms behind the working of markets.

GE-1(b) (FOR HONOURS): ECONOMIC HISTORY OF INDIA (1857-1947)

This paper analyses key aspects of Indian economic development during the second half of British colonial rule. In doing so, it investigates the place of the Indian economy in the wider colonial context, and the mechanisms that linked economic development in India to the compulsions of colonial rule. This course links directly to the course on India's economic development after independence in 1947.

SEMESTER II

C-3: INTRODUCTORY MACROECONOMICS

This paper provides an overview of macroeconomic issues, such as determination of national income, output, employment, inflation, interest rate and more. The role of monetary and fiscal policy is also discussed. The paper introduces basic models of macroeconomics and illustrates principles with the experience of the US and foreign economies. Also, this paper enables students to appreciate the workings of real and money markets and the nature of equilibrium in each market; to emphasize the role of macroeconomic policies that affect internal and external deficits. Lastly, the paper introduces the concepts of IS and LM and the implications of any changes in monetary, fiscal policies, and adverse economic shocks on GDP and interest rates.

C-4: MATHEMATICAL METHODS FOR ECONOMICS – II

This paper is a progression from the Mathematical Methods for Economics-I paper and aims to develop understanding and skill in the application of mathematical theorems and techniques to economic theory and applications. Topics include linear algebra, functions of several real variables, multi-variable optimization, and differential equations. The core textbook is *Mathematics for Economic Analysis* by Knut Sydsaeter and Peter Hammond. Learning outcomes include capability to formulate static and dynamic theoretical models and solving applications in economics, as in production and consumption theory, macroeconomic modelling, and financial economics amongst others.

GE 2(a) (FOR HONOURS): INTRODUCTORY MACROECONOMICS

This paper includes topics such as introduction to macroeconomics and national income accounting, money, inflation, and the closed economy in the short run. It helps students address public policy issues related to economy level concepts such as investment, GDP, and balance of payments.

GE 2(b) (FOR HONOURS): INDIA AND INDIAN OCEAN ECONOMY (1500-1800)

This paper covers the rich history of marine trade which India used to have with other countries from times immemorial. It also provides an in-depth knowledge of historical changes which took place over time and the change in role of India due to these changes. It gives a detailed description of the goods which were traded, communities involved, the way documents were maintained of transactions, and its impact on socio-cultural life of people of those times, among other things.

SEMESTER III

C-5: INTERMEDIATE MICROECONOMICS – I

This paper broadly includes consumer theory, production theory, cost theory and perfect competition. Thus, this paper covers the essential concepts required for understanding other broad areas of economics. Therefore, the scope of the paper includes high education in economics or management, teaching and research work in the government as well as the corporate organizations.

C-6: INTERMEDIATE MACROECONOMICS – I

This paper is one of the most important core papers in undergraduate honours courses in Economics in the second year. Macroeconomics basically deals with aggregated indicators of an economy such as GDP, national income, unemployment rate, price indices and also the interrelations among different sectors of the economy to better understand how an entire economy performs. This paper basically includes the classical and neoclassical theories of macroeconomics which study the causes of short run fluctuation (business cycle) in national income, inflation analysis, and open economy macroeconomics. It also emphasizes the role 'expectation' in wage determination and in inflationary process. The paper provides an in-depth study of fiscal and monetary policies along with commodity, assets and labour markets. It is an interesting paper but there also exists a higher level of difficulty in understanding the paper. This paper provides students a strong foundation in macroeconomics so that they can easily grasp the more advanced course in macroeconomics at their post-graduate level.

C-7: STATISTICAL METHODS IN ECONOMICCS

This paper is an introductory, though challenging course in basic statistical methods. It prepares students in utilizing statistical techniques for quantitative, data-based problems, analysis and inference. It also develops the ability to understand econometrics courses at the Honours and Masters levels. Topics include elementary probability theory, random variables and probability distributions, random sampling and jointly distributed random variables, sampling, point and interval estimation. The core textbook is *Probability and Statistics for Engineers* by Jay Devore. Learning outcomes include developing proficiency for statistical research in academics, research institutions and industry.

GE-3(a) (FOR HONOURS): INDIAN ECONOMY-I

This course examines sector-specific policies and their impact in shaping trends in key economic indicators in India. It highlights major policy debates and evaluates the Indian empirical evidence. Topics include economic development since independence, population and human development, growth and distribution, and international comparisons.

GE-3(b) (FOR HONOURS): MONEY AND BANKING

This course provides a general idea to the students regarding the theory and functioning of the monetary and financial sectors of the economy. It focuses special attention to rates of interests, monetary management and instruments of monetary control. It also provides an insight into financial and banking sector reforms and monetary policy with special reference to India. To enable students to do so, it provides the students with the tools of concepts, functions and theories of money demand supply, structure and role of financial markets, the financial innovations which have taken place over a period of time along with the financial instruments used in the financial sector. It also provides students the tools to determine rates of interest, and its theories of term structure of interest rates. It also throws some light on the balance sheet of banking system, its changing role and structure, and the banking reforms which have taken place from time to time. It also makes students aware about functions, balance sheet, goals, targets, indicators and instruments of monetary control, along with current monetary policy of India.

SEC 1: RESEARCH METHODOLOGY

This course is designed to help undergraduate students appreciate, learn and practice data-based research skills that will help them in writing term papers, and project reports in their discipline and general elective courses. This course gives an outline as to how to identify nature of research,

formulation of research topic, review of literature, approaches to research and research strategy, research ethics, using secondary data, how to use primary data, how to use sample selection methods, analysis of data, and writing of project report, with reference to different styles.

SEMESTER IV

C-8: INTERMEDIATE MICROECONOMICS – II

This paper broadly covers general equilibrium theory, game theory, welfare analysis, market structures, externalities and asymmetric information. The paper provides in-depth understanding of the micro foundations required for higher education in economics and also for making policy decisions. Thus, the scope of the paper includes teaching, research work and policy decision making.

C-9: INTERMEDIATE MACROECONOMICS-II

This paper aims to provide students with a solid understanding of macroeconomics at the intermediate level, and to ensure that they can apply macroeconomic analysis to the study of economic problems such as inflation, unemployment, budget deficit and many more. In this paper, the modern theories of the determination of consumption, investment, demand for money, steady state levels and growth rate of capital and income are developed and the implications of each model/theory on alternate fiscal and monetary policy seeking to facilitate full employment, economic growth and price stability are discussed. Since macroeconomics is an empirical discipline, students are familiarized with current macroeconomic data and its relevance.

C-10: INTRODUCTORY ECONOMETRICS

This paper broadly includes review of some statistics concepts, simple regression analysis, multiple regression analysis and violation of classical assumptions. This paper provides understanding of the basics required for the empirical work which is commonly done in corporate organizations, research institutions and macroeconomic decision making. Thus, this paper has a very wide scope in all sectors of economy such as agriculture, industry, and services among others.

GE 4(a): INDIAN ECONOMY-II

Using appropriate analytical frameworks, this paper reviews major trends in economic indicators and policy debates in India in the post-Independence period, with particular emphasis on paradigm shifts and turning points. Given the rapid changes taking place in India, the paper gives an insight into economic development which has taken place since independence, in terms of structural changes, savings and investments among other things. It also talks about demographic trends and issues, education, health and malnutrition, policies towards poverty, inequality, and unemployment. It provides information on these issues not only in terms of India, but also provides an international comparison to give a wider outlook to students.

GE 4(b): PUBLIC FINANCE

Public Finance as a subject for undergraduate students is very important in the highly competitive world. Given the limited resources and unlimited demand and desires, the subject helps students understand how government should use the funds of the public. The paper includes topics such as public goods, budget and some of the latest tax reforms. All this helps the student to understand the working of the economy in context of above mentioned topic and thus makes them capable of evaluating the pros and cons of public policies.

SEC2: CONTEMPORARY ECONOMIC ISSUES

This paper seeks to familiarize students with basic concepts related to some contemporary economic issues of India. Its aim is to equip students with sufficient knowledge and skills so as to understand media discussions, and to critically analyze contemporary issues that figure in high-profile government documents, in particular, The Economic Survey and The Union Budget. Such capability is

necessary to understand government policies and also to increase peoples' participation in economic decision making. The paper also helps to relate the theoretical frameworks of Microeconomics and Macroeconomics to the Indian context, and to prepare students for a more detailed treatment of Indian Economy related issues. The emphasis of this paper is however, more towards understanding of the concepts and not data analysis.

SEMESTER V

C-11: INDIAN ECONOMY – I

Using appropriate analytical frameworks, this paper reviews major trends in economic indicators and policy debates in India in the post-independence period, with particular emphasis on paradigm shifts and turning points. Given the rapid changes taking place in India, the paper gives an insight into economic development which has taken place since independence, in terms of structural changes, savings and investments among other things. It also talks about demographic trends and issues, education, health and malnutrition, policies towards poverty, inequality, and unemployment. It provides information on these issues not only in terms of India, but also provides an international comparison to give a wider outlook to students.

C-12: DEVELOPMENT ECONOMICS – I

Development Economics is a vibrant paper concerned with processes of change such as social and economic, political and cultural and many major policy challenges that present the efforts to overcome poverty and insecurity, especially in the developing countries. It helps students understand the reasons for why some countries are rich and others so poor; enables them to factor out and remedy significant obstacles impeding growth in poor nations and equip them to create flourishing ground for the same. Hence, the paper provides a stable interdisciplinary social science formation and develops students' capacities for independent and critical inquiry. Set in the global backdrop in which the under-developed and developing countries coexist with the relatively more developed world, this paper in particular, begins with basic demographic concepts and their evolution during the process of development. A changing demographic structure put across the unique pattern of inputs markets and contracts in developing countries is then comprehensively studied to bring out the growth process in relation to its development attributes. These character-traits are then linked to the particular problems of enforcement experienced in these countries. With an aim of further concretizing the development process, governance of communities and organizations is premeditated and linked to the questions of sustainable development. Finally, setting the pace for sustainability, the paper ends with reflections on the role of globalization and increased international dependence on the process of development.

DSE 1: APPLIED ECONOMETRICS

This paper is an extension to the Introductory Econometrics compulsory paper of Semester IV. The course is specifically designed for students who are keen to pursue empirical research after graduation. Broadly, the course includes matrix approach to linear regression model, review of functional forms and qualitative explanatory variable regression models, regression diagnostics: detection of, and remedial measures for multicollinearity, autocorrelation, heteroscedasticity, model selection, dynamic econometric models, instrumental variable estimation, simultaneous equations model, panel data models and estimation techniques, and introduction to econometric software. Thus, qualifying this paper considerably adds to the profile of the student applying for jobs in the corporate and government organisations, research institutions, and in teaching.

DSE 2: INTERNATIONAL ECONOMICS

The paper on International Economics is well prepared for students of third year undergraduate honors programme. It includes classical and new theories of international trade. It familiarizes

students on trade policies on the one hand and on the other hand introduces open economy macroeconomics dealing with exchange rate determination in presence of 'expectation' and different policies to maintain stability in the external front. The recommended text book is authored by Noble laureate Paul Krugman and Maurice Obstfeld. This is an optional paper but given the content it is observed that most of the students of fifth semester opt for this paper. The students take interest in studying the paper as it gives them an opportunity to understand and analyse the real-world trade related issues. They score well both in internal assessment as well as in end semester examination. In post graduate programme in Economics students find it easier to understand the advanced course in International economics having their strong foundation attained through this course.

DSE 3: PUBLIC ECONOMICS

Public economics is the study of government policy from the points of view of economic efficiency and equity. The paper deals with the nature of government intervention and its implications for allocation, distribution and stabilization. Inherently, this study involves a formal analysis of government taxation and expenditures. The subject encompasses a host of topics including public goods, market failures and externalities. The paper is divided into two sections, one dealing with the theory of public economics and the other with the Indian public finances.

SEMESTER VI

C-13: INDIAN ECONOMY – II

This paper examines sector-specific policies and their impact in shaping trends in key economic indicators in India to the third-year students in their sixth semester. It highlights major policy debates and evaluates the Indian empirical evidence. Given the rapid changes taking place in the country, the course gives an insight into macroeconomic policies and their impact, policies pursued and the performance of the agricultural sector and the industrial sector over a period of time. It also throws light on the trends and performance in the services sector in terms of its growth, productivity, diversification, competition policy, and foreign investment among other things. The purpose of the paper is to provide a more comprehensive view of the students, making them more aware about the economic activities taking place around them.

C-14: DEVELOPMENT ECONOMICS – II

This is the second module of the economic development sequence. It begins with basic demographic concepts and their evolution during the process of development. The structure of markets and contracts is linked to the particular problems of enforcement experienced in poor countries. The governance of communities and organizations is studied and this is then linked to questions of sustainable growth. The paper ends with reflections on the role of globalization and increased international dependence on the process of development. This paper is offered to the third-year students in sixth semester.

DSE 4: ENVIRONMENTAL ECONOMICS

This paper focuses on the problems of our natural environment through the lens of economic theories and applications. It provides economic theorems and their applications in terms of environment. It also provides warnings to the world that if we do not do anything soon about it, then we stand to lose a lot in the near future. It also suggests different ways through which sustainable development can be achieved, maintaining at least status quo in terms of environment. The purpose of the paper is to make students more aware about the problems faced by the policy makers in terms of environment and at the same time ensuring that economic growth and development does not get hampered. It encourages students to give more thought to environmental issues and try to work in the required direction to ensure that environmental problems are taken seriously and find practical and long-term solutions for them, which are not only environmentally viable, but also economically sustainable.

DSE 5: FINANCIAL ECONOMICS

This paper introduces students to the economics of finance which involves inter temporal decision making in the financial domain in the presence of uncertainty, risk and asymmetric information. The paper is divided into three sections, namely, investment theory and portfolio analysis; options and derivatives; and corporate finance. The first two sections comprise of some of the basic models used to benchmark valuation of assets, portfolios and derivatives; these include the CAPM, and the binomial option pricing models. The paper ends with a brief introduction to patterns of corporate financing, capital structure and the cost of capital; and corporate debt and dividend policy. The concepts of microeconomics, differential equations, probability and statistics are a pre-requisite to this paper. The paper prepares students for related jobs in the financial sector, and assist them in taking informed important personal financial decisions such as taking out a mortgage, purchasing insurance, or saving for a pension.

DSE 6: MONEY AND FINANCIAL MARKETS

This is a paper on the economics of money, banking and financial markets. It provides coverage of economic principles that underlie the operation of banks and other financial institutions. The paper aims to provide the student with an introduction to the role of money, financial markets, financial institutions and the monetary policy in the economy, thus providing a solid foundation for further study or employment in the financial services industry. The paper establishes how monetary policy and the financial markets work in theory and practice. The main components of the course are cover the role of financial markets in the economy with a particular emphasis on bond markets and interest rate determination, the main aspects of banks and other financial institutions and the role of money, central banking and monetary policy.

5. B.A. (Prog.) with Economics

SEMESTER I

C - I: PRINCIPLES OF MICROECONOMICS – I

This paper introduces students to the basic concepts in microeconomics. The objective of the paper is to analyze how individual decision makers, both consumers and producers behave in a variety of economic environments. Students are introduced to the definition and basic concepts of microeconomics theory, such as consumer theory, production and costs, market structures, income distribution and factor pricing, and international trade among others. Specifically, the course describes the essential elements of microeconomics from a theoretical and analytical point of view.

SEMESTER II

C - II: PRINCIPLES OF MICROECONOMICS – II

This is a sequel to Principles of Microeconomics–I covered in the first semester. The objective of the paper is the same as in Principles of Microeconomics-I, giving an insight into different types of market structures, consumer and producer theory, along with international trade, and income distribution and factor pricing.

SEMESTER III

C - III: PRINCIPLES OF MACROECONOMICS – I

This paper introduces students to the basic concepts in Macroeconomics that deals with the aggregate economy. Students are introduced to the definition and measurement of macroeconomic variables like GDP, consumption, savings, investment, and balance of payments. The paper also discusses various theories of determining GDP in the short run.

SEC-I: UNDERSTANDING THE ECONOMIC SURVEY AND UNION BUDGET

This paper seeks to introduce students to concepts related to the Economic Survey and Union Budget, as also the contemporary themes in India's development. Topics include GST, prices and inflation issues, external sector and climate change. An in depth understanding of this paper helps students appreciate and contribute to reports, government documents and media discussions.

SEMESTER IV

C-IV: PRINCIPLES OF MACROECONOMICS–II

This paper is a sequel to Principles of Macroeconomics–I, analyzing various theories of the determination of national income in greater detail. It also introduces students to the concepts of inflation, its relationship with unemployment, and some basic concepts in an open economy.

SEC-II: RESEARCH METHODOLOGY

This paper helps students learn the introductory research skills in writing data-based term papers, and project reports, Introduction to the nature of research, formulation of the research topic, research approaches and ethics, and types of data help increase the suitability of students for research based work in the corporate sector, government institutions and media.

SEMESTER V

C-V: ECONOMIC DEVELOPMENT AND POLICY IN INDIA –I

This course reviews major trends in aggregate economic indicators in India and places these against the backdrop of major policy debates in India in the post-independence period in part one. This paper provides an insight into the issues in growth, development, and sustainability, factors responsible for development, demographic and urbanization trends, and occupational structure in organized and unorganized sectors. It also discusses Indian development experience in terms of poverty, competitiveness, reforms, savings, investment, monetary and fiscal policies, and financial relations between centre and state. The purpose of this paper is to provide a comprehensive view of the issues at hand, and to make them aware of the current burning issues facing the Indian economy.

GE 1 (FOR B.A./B.COM. PROGRAMME): PRINCIPLES OF MICROECONOMICS

This paper is designed to expose students to the basic principles of microeconomic theory, introducing them to topics such as basic demand, supply tools, and the implications of taxation and subsidies on the market outcome, consumer and producer behavior, production and cost analysis, market structure, and labor market theory. By the end of the paper, students are well acquainted with the principles of microeconomic theory, and ways in which the theory can be used in its applications of the real world.

SEC-III: DATA ANALYSIS

This paper is the first step to learn how to make sense of piles of data using graphical and numerical measures. It introduces students to the collection and presentation of data, also discussing how data can be summarized and analyzed for drawing statistical inferences. Students are trained how to use important data sources using statistical tools which are useful for further research in economics.

SEMESTER VI

C-VI: ECONOMIC DEVELOPMENT AND POLICY IN INDIA –II

Building on the more aggregative analysis of trends in the Indian Economy offered in Economic Development and Policy–I, this paper examines sector-specific trends in key indicators and their implications in the post-independence period, with special focus on policies and performance of agriculture, industry and foreign trade.

GE-2 (FOR B.A./B.COM. PROGRAMME): PRINCIPLES OF MACROECONOMICS

This paper introduces students to macroeconomic fundamentals and concepts, theories and applications with regard to variables such as GDP, consumption, savings, investment, money and banking, and balance of payments. Students can apply the basic principles learnt from this paper in understanding the functioning of the aggregate economy, and in contributing to policy debates.

6. B.A. (Hons.) in English

Course Objective – The English Honours Core Courses look at some of the fundamental questions of world literature by offering the students an opportunity to engage with a wide spectrum of prose, novels, plays and poetry written or translated in English. The prescribed syllabi for English Honours has widened considerably in scope to accommodate newer areas such as World Literatures, Postcolonial Literatures, Indian Writing in English and Women’s Writing, in balance with the more canonical branches of study. The students of the English Honours discipline are required to study **fourteen compulsory core papers** spread across **six semesters** of their study. The papers are as listed below:

1st Semester:

C1. Indian Classical Literature: This paper offers a cumulative overview of Indian epic tradition, Natyashastra and other Indian classics, including the Tamil epic tradition, and comprises of creations by Vyasa, Kalidasa, Sudraka and Ilango Adigal.

C2. European Classical Literature: The objective of this course is to orient students in the Graeco-Roman Epic tradition and the theory and origin of Classical Tragedies and Comedies, through texts composed by Homer, Ovid, Sophocles, and Plautus.

2nd Semester:

C3. Indian Writing in English: This paper is an attempt to find traces of both the Indian socio-historic contexts and themes of modernism and aesthetics in the writings of Indian authors expressing themselves through the legacy of a colonial Language. Some of the prominent writers included are R.K. Narayan, Anita Desai, Kamala Das, Robin S. Ngangom, Salman Rushdie, Rohinton Mistry and Shashi Deshpande.

C4. British Poetry and Drama: 14th to 17th Centuries: The paper is designed to ground students in the emerging ideal of Renaissance Humanism, the courtly Petrarchan tradition, the British Metaphysical poetic tradition and the distinguished corpus of Shakespearean Tragedies and Comedies. The writers in focus are Geoffrey Chaucer, Edmund Spenser, Christopher Marlowe, John Donne and William Shakespeare.

3rd Semester:

C 5. American Literature: This paper acquaints students with a distinct American literary tradition. The early protestant poetry of Anne Bradstreet, the prose/fiction developed by Edgar Allan Poe, F. Scott Fitzgerald and William Faulkner, the transcendentalism of Walt Whitman, the historical exploration of the institution of slavery through a neo-slave narrative by Toni Morrison, the questioning of the American dream by Tennessee Williams in a play, are some of the noticeable aspects of this paper.

C 6. Popular Literature: Lending the course a broader inclusiveness, this paper is an attempt to expand the study of literature beyond the canonical. Agatha Christie’s whodunit, the emerging trends of Children’s Literature as reflected in Lewis Carroll’s novel, the Graphic Novel tradition as portrayed

in *Bhimayana* and the new perspectives on Gender/caste as seen in Shyam Seladurai's text are the key elements of this paper.

C7. British Poetry and Drama: 17th and 18th Centuries: Weaving its way through the complex deployment of biblical metaphors in John Milton's secondary epic, the Neo-classical bent towards satire and Mock-Epic as evidenced in Alexander Pope, the Jacobean dramatic tradition in John Webster's women-centric tragedy and Aphra Behn's exploration of women's roles in the seventeenth century, this paper covers myriad literary developments, situating these within the specified historical context.

4th Semester:

C8. British Literature: 18th Century: Through a provocative array of texts by writers like William Congreve, Jonathan Swift and Laurence Sterne, this paper stimulates students into an understanding of the social and literary trends of the 18th century.

C9. British Romantic Literature: This paper exposes learners to such thematic strands as the Romantic theory of Imagination, the spirit of Revolution and individuality and an exploration of the Gothic through a wide-ranging trajectory produced by William Wordsworth, Samuel Taylor Coleridge, Percy Bysshe Shelley, Lord Byron, William Blake and Mary Shelley.

C10. British Literature: 19th Century: This paper offers students an understanding of the socio-historical and literary landscape of the nineteenth century. Through the novels of Charles Dickens, Jane Austen and Charlotte Bronte, students examine issues like capitalism and industrialism, the denial of sexuality and voice to women, and the existence of racism and colonialism. The poetry of Robert Browning, Alfred Tennyson and Christina Rossetti forms an important section of the paper.

5th Semester:

C11. Women's Writing: This paper locates itself in the emerging shift in women's studies from feminism to feminisms, with a study of women writers from diverse locations and positionalities such as Emily Dickinson, Sylvia Plath, Alice Walker, Eunice De Souza, Charlotte Perkins Gilman, Katherine Mansfield, Mahashweta Devi, Mary Wollstonecraft, Ramabai Ranade and Rassundari Debi, encouraging students to explore the intertwined issues of race, class, caste and gender.

C12. British Literature: The Early 20th Century: Through the novels of Joseph Conrad, D.H. Lawrence and Virginia Woolf, this paper unfolds against the backdrop of empire, the First World War, twentieth century women's movements and Freudian psychoanalysis. The poetry segment offers a close look, through the work of W.B Yeats and T.S Eliot, at Modernism, uses of myth in a modern world, and an experimental approach towards poetry.

6th Semester:

C13. Modern European Drama: The paper offers an overview [keeping in mind the performative aspects] of Epic Theatre, Realism, Naturalism, Avant Garde, New Parisian Theatre and Absurdist Theatre through seminal plays produced by Henrik Ibsen, Bertolt Brecht, Samuel Beckett and Eugene Ionesco.

C14. Postcolonial Literatures: The paper endeavours to present contemporary concerns like Colonization and De-colonization, politics of language, importance of orality in the African Context, identity politics, intertwined themes of region, race, and above all, the need to find a new form and language of resistance.

The course aims to prepare the students for a variety of academic writing and reading tasks by honing their critical research abilities. Students' understanding of these papers is demonstrated and evaluated through engaging discussions in lectures, tutorials, class tests, written assignments or presentations.

English (Honors) Discipline Specific Elective (DSE)

Course Objective – Discipline Specific Elective (DSE) papers help the students of English Honours to further streamline their research skills by electing four optional papers in the concluding **fifth and the sixth semester** of the English Honours program.

The Discipline Specific Electives are designed to enhance the grasp on genres, histories, forms and social concerns of literatures from around the world, as they negotiate their way through canonical as well as popular and contemporary texts. The papers offer a more focussed study of the literature of the Indian subcontinent and the Indian Diaspora, Modern Indian Writing in English Translation, Science Fiction and Detective novels. Particular emphasis is laid on building a competent theoretical understanding particularly useful for further academic and research pursuit through papers like Literary Theory, Research Methodology and World Literature. The following papers have been offered by the department in the last five years:

5th Semester:

- **Literature of the Indian Diaspora**
- **Modern Indian Writing in English Translation**
- **Literary Criticism**
- **Science Fiction and Detective Literature**

6th Semester:

- **Partition Literature**
- **Literary Theory**
- **World Literature**
- **Autobiography**
- **Research Methodology**

General Elective (GE)- for Honours and B.A./B.Com. Programme

Course Objective– This is an elective course chosen from an unrelated discipline/subject. The Department offers a variety of papers in the present Generic Elective course to students from honours and programme courses who have discipline/subject other than English.

A paper like **Contemporary India: Women and Empowerment** enables students to understand social practices of gender formation and offers a conceptual initiation into feminist theories. With the help of carefully chosen sociological, legal and literary readings, students are guided towards a more nuanced understanding of gendered practices. **Readings on Indian Diversities and Literary Movements** provides an understanding of the development of literatures in India, its linguistic diversity and the continuing language debates.

The prevalent influence of evolving technologies like mass media and social media is undeniable in our lives. A paper like **Media and Communication Skills** provides a competent foundation for future academic pursuits.

Language, Literature and Culture and **Text and Performance** papers are designed to provide a focalized introduction to theories of Textual-Linguistic-Cultural Studies, and performative aspects of dramatic literature respectively.

The division of the papers, spread through the semesters, are as listed below:

1st Semester: Contemporary India: Women and Empowerment –OTHER HONS.

2nd Semester: Media and Communication Skills –OTHER HONS.

3rd Semester: Text and Performance

Academic Writing and Composition-- OTHER HONS.

4th Semester: Language, Literature and Culture-- OTHER HONS

5th Semester: Contemporary India: Women and Empowerment—BA/BCOM PROG.

6th Semester: Readings on Indian Diversities and Literary Movements—BA/BCOM PROG.

7. B.A./ B.Com. (Prog.) With English Core – taught in two Semesters

Course Objective: The Core Language Course in English is a three-tiered structure, addressing different levels of language learning in School. There are three streams- **A, B and C**, - offered to those who have studied English upto class XII, X and VIII respectively. This Course aims to enhance the proficiency in the skills of **Listening, speaking, Reading and Writing** and test these skills through a constant monitoring in class. The course has a variety of source readings rather than a prescribed textbook.

English Discipline course- for BA Programme

Course Objective: This course is offered only to those students who take Discipline English as one of their subjects in BA Programme. The course is meant to acquaint the students with English Literature and World Literature. The learning objectives are to enhance the literary component and an understanding of various genres and literary ages, ability to critically analyse texts and engage in academic discussion and research.

1st Semester: Individual and Society

2nd Semester: Selections from Modern Indian Literature: Poems and Short Stories

3rd Semester: DSC1.C—British Literature, Novel and Play

4th Semester: DSC1D—Literary Cross-currents: Selections from Living Literature, Novella and Play

5th Semester: DSC1E—Modern Drama

6th Semester: DSE2. World Literature

Skill Enhancement Course- For BA Programme and English (Hons.)

Course Objective: The skill Enhancement courses (or Ability enhancement Elective Course) are designed to provide value-based and skill-based knowledge and aimed at providing hands-on training, skills etcetra. The objective is to make the students enlarge their skill set for greater employability. The pedagogy used in the teaching of these courses also goes beyond the traditional text- based approach to a more interactive, workshop-based model. It is more task-based than text-based wherein the students' proficiency is monitored at regular intervals.

3rd Semester: Creative Writing, Book and Media Reiews—BA PROG

Translation Studies –ENGLISH HONS

4th Semester: Translation Studies—BA PROG

Creative Writing, Book and Media Reviews—ENGLISH HONS

5th Semester: Technical Writing -- BA PROG

6th Semester: Business Communication—BA PROG

English Communication as Ability Enhancement Compulsory Course (AECC)

Course Objective-The **Communicative Language** Course in English is a three-tiered structure. There are **three streams- A, B and C-** offered to students of honours and programme courses who have studied English upto class XII, X and VIII respectively. The purpose of this course is to introduce students to the theory, fundamentals and tools of communication and to develop in them vital communication skills which should be integral to personal, social and professional interaction. The present course aims to address these aspects through an interactive mode of teaching-learning process and by focusing on various dimensions of communication skills such as speaking skills in personal, professional and social context like interviews, dialogue/ conversation, group discussion; reading skills through reading comprehension as well as writing skills tested through report writing, note-making etcetra.

There is no prescribed textbook and the recommended readings provided by the University are only suggestive which provides freedom to teachers and students to consult a variety of material on prescribed topics and also allows for an interactive and dialogic teaching-learning method.

8. B.A. (Hons.) in Hindi

सेमेस्टर-1

प्रश्नपत्र-1: हिंदी भाषा और उसकी लिपि का इतिहास

यह प्रश्नपत्र छात्रों के भाषा संबंधी ज्ञान को बढ़ाने वाला है। उन्हें इस की जानकारी प्रदान करता है कि हमारी लिपि पुराने समय में किस प्रकार की थी और वह कितनी वैज्ञानिक है।

प्रश्नपत्र-2 : हिंदी कविता (आदिकाल एवं भक्तिकालीन काव्य)

यह प्रश्नपत्र 500 -600 वर्षों की हिंदी कविता पर प्रकाश डालता है जो संस्कृति और सभ्यता के ज्ञान को बढ़ावा देने वाला है।हमारे मूल्यों की धरोहर ये कविताएं हैं।

सेमेस्टर-2

प्रश्नपत्र-3 : हिंदी साहित्य का इतिहास(आदिकाल और मध्यकाल)

प्रस्तुत प्रश्नपत्र हिंदी साहित्य के इतिहास का क्रमवार विवेचन करता है जो आदिकाल और मध्यकाल की प्रमुख प्रवृत्तियों पर प्रकाश डालता है।

प्रश्नपत्र-4 : हिंदी कविता (रीतिकालीन काव्य)

रीतिकालीन कविता काव्यशास्त्र की समझ को मजबूत करने के लिए महत्वपूर्ण है इसके साथ ही 1700-1900तक की काल की कविता की बनावट को चिन्हित करती है।

सेमेस्टर-3

प्रश्नपत्र-5 : हिंदी साहित्य का इतिहास (आधुनिक काल)

हिंदी साहित्य का आधुनिक काल परिवर्तनों का काल है। यह प्रश्नपत्र खड़ी बोली गद्य के विकास और नई कविता के विकास का परिचय देता है।

प्रश्नपत्र -6 हिंदी कविता (आधुनिक काल से छायावाद तक)

प्रस्तुत प्रश्नपत्र भारतेंदु युग से छायावाद युग तक कविता को चिन्हित करता है इन काल खंडों में कविता ब्रजभाषा की गोद से निकलकर शुद्ध खड़ी बोली में रची जाने लगी।

प्रश्नपत्र -7 हिंदी कहानी

हिंदी कहानी का यह प्रश्नपत्र 4 इकाइयों में विभिन्न काल खंडों की कहानियां संजोये हुए है इसमें प्रेमचंद की पूस की रात से लेकर ओमप्रकाश वाल्मीकि की घुसपैठिये कहानी संकलित है ये कहानियां समाज और व्यवस्था का अंतरंग चेहरा सामने लाती हैं।

सेमेस्टर-4

प्रश्नपत्र -8 भारतीय काव्यशास्त्र

प्रस्तुत प्रश्नपत्र भारतीय काव्यशास्त्र की परंपरा को समझने में सहायक है जो साहित्य के स्वरूप और भारतीय आलोचना शास्त्र की तात्विक दृष्टि से छात्रों को अवगत कराता है।

प्रश्नपत्र -9 हिंदी कविता (छायावाद के बाद)

यह प्रश्नपत्र आधुनिक कविता की बनावट से छात्रों को अवगत कराता है इस प्रश्नपत्र की कविताएँ छात्रों के दिमाग में रोशनी पैदा करने वाली हैं। ये कविताएँ आज की जीवनशैली में व्यक्ति को मनुष्य बनाये रखने की कवायद करती हैं।

प्रश्नपत्र -10 हिंदी उपन्यास

हिंदी उपन्यासों की यह कड़ी मानव जीवन की कठिनाइयों को परत दर परत खोलने में सक्षम है ये उपन्यास छात्रों में धैर्य और मुश्किल समय में जीवन की दिशा सुझाने में सक्षम हैं।

सेमेस्टर 5

प्रश्नपत्र -11 पाश्चात्य काव्यशास्त्र

यह प्रश्नपत्र पाश्चात्य काव्यशास्त्र के विद्वानों की मान्यताओं का उल्लेख करता है यह अरस्तू, लॉजाइनस, कालरिज, इलियट के साहित्य सिद्धान्तों के सम्बन्ध में छात्रों को दृष्टि प्रदान करता है और विश्व साहित्य की सक्षम समझ देता है।

प्रश्नपत्र -12 हिंदी नाटक/एकांकी

नाटक और एकांकी का यह प्रश्नपत्र देश के परतंत्रता की बेड़ियों का उल्लेख करता है, ध्रुवस्वामिनी नाटक स्त्रियों की दृष्टि से प्रसाद जी का बेहद सशक्त नाटक है अन्य नाटक और एकांकी भी सामाजिक, राजनीतिक विसंगतियों पर फोकस करते हैं।

सेमेस्टर 6

प्रश्नपत्र -13 हिंदी आलोचना

हिंदी आलोचना का प्रश्नपत्र हिंदी साहित्य के अवधारणात्मक स्वरूप को व्याख्यायित करता है साथ ही उन कमियों के संदर्भों को भी दिशा निर्देशित करता है जो जाने-अनजाने समर्थ साहित्य के साथ जुड़ गई हैं।

प्रश्नपत्र -14 हिंदी निबंध और अन्य गद्य विधाएं

इस प्रश्नपत्र में निबंध के अतिरिक्त जीवनी, आत्मकथा, संस्मरण, रेखचित्र जैसी गद्य विधाओं को जोड़ा गया है यह छात्रों के वैचारिक और समग्र विकास के लिए महत्वपूर्ण प्रश्नपत्र होगा। ऐसे विषय छात्रों को जिज्ञासा को शांत करने में सहायक होंगे।

हिंदी सामान्य (Generic) ऐच्छिक पाठ्यक्रम

सेमेस्टर : 1

1 (a) लोकप्रिय साहित्य, अथवा (b) हिंदी सिनेमा और उसका अध्ययन

लोकप्रिय साहित्य - इस प्रश्नपत्र में बताया गया है कि लोकप्रिय साहित्य किसे कहते हैं। कैसे उपन्यास लोकप्रिय बने तथा किस प्रकार की कविता और कवि को लोकप्रिय माना गया। वास्तव में लोकप्रिय साहित्य की अवधारणा क्या है, इसे छात्रों को समझाया गया है।

हिंदी सिनेमा और उसका अध्ययन - यह ऐच्छिक पाठ्यक्रम है जिसे दूसरे आनर्स के छात्र अपनी इच्छा से चुनते हैं। 'हिंदी सिनेमा और उसका अध्ययन' प्रश्नपत्र में सिनेमा को कला विधा के रूप में पढ़ाया जाता है, सिनेमा में कैमरे की भूमिका और सिनेमा का विकास सिनेमा के क्षेत्र में छात्रों की अभिरुचि जगाने वाला है।

सेमेस्टर -2

2. (a) रचनात्मक लेखन, अथवा (b) पटकथा तथा संवाद लेखन

रचनात्मक लेखन- इस प्रश्नपत्र के द्वारा विद्यार्थियों की रचनात्मक क्षमता को दिशा देने का प्रयास किया गया है ताकि वे अपने भाव एवं विचार को अभिव्यक्ति दें सकें और लेखन के विविध क्षेत्रों से अवगत हो सकें।

पटकथा तथा संवाद लेखन- इस प्रश्नपत्र का उद्देश्य हिंदी भाषा-भाषी विद्यार्थियों को पटकथा के क्षेत्र से अवगत कराना है। फिल्मों, धारावाहिक का संवाद लेखन किस प्रकार किया जाता है, संवादों की सैद्धान्तिकी क्या है इस पर प्रकाश डाला जाता है। यह क्षेत्र छात्रों के लिए नये रास्ते खोलने वाला है।

सेमेस्टर-3

3. (a) हिंदी में व्यवहारिक अनुवाद, अथवा (b) भाषा और समाज

हिंदी में व्यवहारिक अनुवाद - इस प्रश्नपत्र में अनुवाद के महत्व को समझाया गया है। अनुवाद की व्यवसायिक संभावनाएं क्या हैं। ज्ञान-विज्ञान और सामाजिक विज्ञान के क्षेत्र में कैसे अनुवाद व्यवहार की आवश्यकता होती है इस लिए यह प्रश्नपत्र आज के समय में महत्वपूर्ण है।

भाषा और समाज - भाषा और समाज का अंतःसंबंध क्या है भाषा का समाजशास्त्र क्या है, भाषा और समाज की कड़ियाँ कैसे एक-दूसरे जुड़ी हैं - इन सारे प्रश्नों की पड़ताल यह प्रश्नपत्र करता है। जो भारत जैसे बहुभाषी देश में अध्ययन विषय होना आवश्यक है।

सेमेस्टर -4

4. (a) हिंदी का वैश्विक परिदृश्य, अथवा (b) भाषा शिक्षण

हिंदी का वैश्विक परिदृश्य - हिंदी का विश्व सन्दर्भ क्या है, संयुक्त राष्ट्र में हिंदी की स्थिति क्या है, जैसे मुद्दों को इस प्रश्नपत्र में उठाया गया है। चूँकि भारत एक अधिक जनसंख्या वाला देश है और बहुराष्ट्रीय कंपनियों की बढ़त से हिंदी और अधिक महत्वपूर्ण हो गई है। अतः छात्रों को इसकी जानकारी प्राप्त होना चाहिये।

भाषा शिक्षण - इस कोर्स के अंतर्गत मातृभाषा, द्वितीय भाषा और विदेशी भाषा के शिक्षण में अंतर को समझाया गया है। भाषा शिक्षण के सामाजिक और राष्ट्रीय सन्दर्भ भी बताए गए हैं, विद्यार्थियों को भाषा के परीक्षण और मूल्यांकन के लिए तैयार किया गया है। अतः यह विषय विद्यार्थियों को लिए ज्ञानवर्धन के लिए लाभकारी है।

हिंदी विषय आधारित ऐच्छिक पाठ्यक्रम (HDSEC)

सेमेस्टर-5

1.(a) अस्मितामूलक विमर्श और हिंदी साहित्य, अथवा (b) हिंदी की मौखिक और लोक साहित्य परंपरा

अस्मितामूलक विमर्श और हिंदी साहित्य- इस विमर्श में दलित विमर्श, स्त्री विमर्श और आदिवासी विमर्श समाहित हैं। कथा साहित्य और कविताओं के द्वारा इन विमर्शों को जीवंत स्तर पर बताने का प्रयास किया गया है। पाठ्यक्रम में लगे विमर्श आधुनिक जीवन मूल्यों पर आधारित हैं विद्यार्थियों के लिए इनका पठन-पाठन आवश्यक है।

हिंदी की मौखिक और लोक साहित्य परंपरा- इस प्रश्नपत्र में हमारे देश की लोकसाहित्य की परंपरा पर प्रकाश डाला गया है। भावी पीढ़ी साहित्य की इन विशेषताओं से अवगत हो इसके लिए इसमें लोकगीत, लोककथा एवं लोकनाट्यों को जोड़ा गया है। इस देश की बहुरंगी संस्कृति इस साहित्य में अपनी झलक देती है। संस्कार से संबंधित गीत एवं नाटकी, बिदेशिया इत्यादि इसमें समाहित किये गए हैं।

2.हिंदी भाषा का व्यावहारिक व्याकरण- इस प्रश्नपत्र के तहत हिंदी भाषा का व्याकरणिक अध्ययन किया गया है।इस अध्ययन सामग्री का मनन विश्लेषण करने से हिंदी प्रयोग की तकनीक पर विद्यार्थियों को अधिकार प्राप्त होता है और वे अधिक आत्मविश्वास के साथ हिंदी भाषा के क्षेत्र में अपनी पैठ बना सकते हैं।

सेमेस्टर-6

3.लोकनाट्य-इस प्रश्नपत्र में लोकनाटक की अवधारणा और स्वरूप पर प्रकाश डाला गया है।कुछ प्रमुख लोक नाटकों के द्वारा विद्यार्थियों को इनके पाठ तथा इनकी रचनागत विशेषताओं को समझाने का प्रयास किया गया है।ऐसे कोर्स विद्यार्थियों को समाज और संस्कृति के प्रति जागरूक करते हैं।

4. अवधारणात्मक साहित्यिक पद- इस पाठ्यक्रम का उद्देश्य विद्यार्थियों को भारतीय और पश्चिमी साहित्य की आलोचना के विशिष्ट पारिभाषिक शब्दों से परिचित कराना है।इसमें भारतीय और पश्चिमी आलोचना सिद्धान्तों के बीज शब्दों की विस्तृत जानकारी प्राप्त की जा सकेगी तथा आलोचना की सैद्धान्तिका का ज्ञान प्राप्त हो सकेगा।यह प्रश्नपत्र विद्यार्थियों की विश्लेषणात्मक क्षमता को निखारने वाला है।

अथवा

5. शोध -प्राविधि-इस विषय -वस्तु के अंतर्गत छात्रों के मस्तिष्क में शोध के कितने स्तर होते हैं और एक बेहतर शोधार्थी के लिए क्या आवश्यक है-जैसे गंभीर प्रश्नों की पड़ताल की गई है। शोध- प्रक्रिया को समझने के उपरांत ही विद्यार्थियों से यह उम्मीद की जा सकती है कि वे एक सही दिशा में राष्ट्र और समाज को आगे ले जा सकते हैं। अतएव यह तृतीय वर्ष के छात्रों के लिए मूल्यपरक होगा।

अथवा

6.हिंदी रंगमंच- इस प्रश्नपत्र में भारतीय और पाश्चात्य संस्कृति को पिरोया गया है। जिसमें पारसी थियेटर,पृथ्वी थियेटर, नौटंकी, रामलीला का परिचय दिया गया है।प्रमुख रंगव्यक्तित्व जैसे -श्यामानंद जालान, इब्राहिम अलका जी, हबीब तनवीर और भिखारी ठाकुर की रंगदृष्टि की समीक्षा की गई है।यह विषय विद्यार्थियों की रंग क्षमता को निखारने वाला है।

हिंदी कौशल -संवर्द्धक ऐच्छिक पाठ्यक्रम (HSEC)

(कोई दो : क और ख वर्ग से एक-एक का चयन)

सेमेस्टर-3

(क) विज्ञापन और हिंदी भाषा : इस प्रश्नपत्र के अंतर्गत विज्ञापन के सामाजिक तथा व्यावसायिक उद्देश्यों पर प्रकाश डाला जाता है। विज्ञापन मूलरूप में किस प्रकार का होना चाहिये एवं विज्ञापन की भाषा कैसी होनी चाहिए -जैसे कारणों से विद्यार्थियों को अवगत कराया जाता है।आज बाजार के युग में छात्रों के लिए विज्ञापन के क्षेत्र में असीम संभावनाएं हैं ,अतः विज्ञापन की दुनिया के सन्दर्भ छात्रों के आवश्यक हैं।

सेमेस्टर-4

(ख) कार्यालयी हिंदी : इस अध्ययन विषय के अंतर्गत हिंदी के कार्यालयी स्वरूप की जानकारी छात्रों को प्रदान की जाती है।चूँकि हमारे देश में कार्यालयों में अधिकांश कार्य अंग्रेजी भाषा में होते हैं जिससे जनसामान्य को समस्या होती है इस कोर्स का उद्देश्य हिंदी भाषा में कार्यालयी कार्यों के निष्पादन से है ताकि छात्र इन विभिन्न कार्यों के प्रकारों से अवगत हों।

9. B.A. / B.Com. (Prog.) with Hindi

सेमेस्टर -1

1.1 हिंदी भाषा और साहित्य का इतिहास (Core Course-1)

प्रस्तुत प्रश्नपत्र में हिंदी भाषा की बनावट और बुनावट पर प्रकाश डाला गया है इसके साथ ही हिंदी साहित्य के इतिहास के विभाजन को क्रमशः कालक्रमानुसार विद्यार्थियों को पढ़ने के लिए निर्देशित किया है ताकि वो साहित्य को इतिहास के साथ जोड़कर उसके संदर्भ में अपनी दृष्टि विकसित कर सकें।

1.2 हिंदी योग्यता संवर्द्धक पाठ्यक्रम (Language-MIL/English Comm. (AECC)

प्रस्तुत प्रश्नपत्र के अंतर्गत 'हिंदी भाषा और सम्प्रेषण' प्रश्नपत्र पढ़ाया जाता है जिसमें वक्ता और श्रोता की बीच किस प्रकार की व्यवहारिक अड़चनें आ सकती हैं का वस्तुपरक अध्ययन छात्र करते हैं यह प्रश्नपत्र छात्रों के लिये बेहद उपयोगी है।

सेमेस्टर -2

2.1 हिंदी कविता (मध्यकाल और आधुनिक काल) (Core Course-2)

प्रस्तुत प्रश्नपत्र हिंदी को मुख्य विषय के रूप में चुनने वाले छात्रों को भक्तिकालीन, रीतिकालीन और आधुनिक कविता से अवगत कराता है इससे विद्यार्थियों को संतों की वाणी से लेकर मजदूरों के परिश्रमशील जीवन की झांकी देखने को मिलती है जो समग्र भारत की सम्पूर्ण तस्वीर छात्रों के सम्मुख प्रस्तुत करता है।

2.2 आधुनिक भारतीय भाषा - हिंदी : भाषा और साहित्य-क/ख/ग Language-MIL/English-1

सेमेस्टर-2 हिंदी भाषा का साहित्य - हिंदी 'क'

(उन विद्यार्थियों के लिए जिन्होंने 12 वीं कक्षा तक हिंदी पढ़ी है)

चूँकि जिन विद्यार्थियों ने 12 वीं तक हिंदी पढ़ी है वे हिंदी साहित्य को आसानी से पढ़ और समझ सकते हैं अतः इस कोर्स में हिंदी भाषा के उद्भव, संक्षेप में हिंदी साहित्य का इतिहास एवं भिन्न युगों की कविताएं पढ़ायी जाती हैं जो हिंदी भाषा एवं साहित्य की समझ में परिपक्वता लाता है।

सेमेस्टर-3 हिंदी गद्य : उद्भव और विकास - हिंदी 'क'

(उन विद्यार्थियों के लिए जिन्होंने 12 वीं कक्षा तक हिंदी पढ़ी है)

इन छात्रों को हिंदी गद्य के विभिन्न रूपों का सामान्य परिचय दिया जाता है साथ कुछ महत्वपूर्ण कहानियों के साथ निबंध तथा नाटक जैसी विधाएं पढ़ाई भी पढ़ाई जाती हैं, इससे छात्रों में हिंदी गद्य की आधुनिकता को समझने की दृष्टि परिष्कृत होती है।

सेमेस्टर -2 हिंदी भाषा और साहित्य : हिंदी 'ख'

(उन विद्यार्थियों के लिये जिन्होंने 10 वीं कक्षा तक हिंदी पढ़ी है।)

इस प्रश्नपत्र में हिंदी साहित्य के इतिहास और आधुनिक भारतीय भाषाओं का सामान्य परिचय दिया गया है। भक्तिकाल, रीतिकाल और आधुनिक काल के दो-दो कवि प्रश्नपत्र में लगे हुए हैं यह प्रश्नपत्र छात्रों को संक्षिप्त किन्तु सम्पूर्ण ज्ञान देने वाला है।

सेमेस्टर-3 हिंदी गद्य का उद्भव और विकास : हिंदी 'ख'

(उन विद्यार्थियों के लिए जिन्होंने 10वीं कक्षा तक हिंदी पढ़ी है)

इस प्रश्नपत्र में कहानियां, निबंध और संस्मरण लगे हुए हैं गद्य विधाओं का भी सामान्य परिचय लगा हुआ है जो छात्रों की जिज्ञासा तथा रचनात्मक क्षमता को बढ़ाने वाला है।

सेमेस्टर-2 हिंदी भाषा और साहित्य -हिंदी ' ग'

(उन विद्यार्थियों के लिए जिन्होंने 8 वीं कक्षा तक हिंदी पढ़ी है।)

इस प्रश्नपत्र में हिंदी का भौगोलिक विस्तार एवं भक्तिकालीन, रीतिकालीन एवं आधुनिक कविताएं लगी हैं जो हिंदी का सामान्य ज्ञान रखने वाले छात्रों के लिए व्यवहारिक और जानकारी की दृष्टि से उपयोगी है।

सेमेस्टर-3 हिंदी गद्य का उदभव और विकास -हिंदी 'ग'

(उन विद्यार्थियों के लिए जिन्होंने 8 वीं कक्षा तक हिंदी पढ़ी है)

यह प्रश्नपत्र हिंदी के उदभव एवं विकास तथा कहानी,निबंध,नाटक,संस्मरण से छात्रों को अवगत कराता है यह साहित्य रुचिकर है पाठ विस्तार सरस है।

सेमेस्टर -3

3.1 हिंदी कथा साहित्य (Core Course-3)

इस प्रश्नपत्र के अंतर्गत उपन्यास और कहानी के स्वरूप और संरचना के बारे में बताया गया है। प्रेमचंद का उपन्यास गबन भी लगा हुआ है कहानियों में परदा, रोज, हरी बिंदी इत्यादि लगी हैं। कोर्स रुचिकर और छात्रों की जिज्ञासा बढ़ाने वाला है विषय वस्तु की बनावट कठिन नहीं है।

3.2 हिंदी कौशल-संवर्द्धक पाठ्यक्रम (Skill Enhancement Course; Any One)

(क) रचनात्मक लेखन, अथवा (ख) भाषा शिक्षण, अथवा (ग) कार्यालयी हिंदी

(क) रचनात्मक लेखन - इस प्रश्नपत्र का उद्देश्य विद्यार्थियों की रचनात्मक क्षमता को निखारना है यह लेखन की दृष्टि से पत्रकारिता के क्षेत्र में तथा साहित्य के क्षेत्र में विद्यार्थियों को दिशा-निर्देश देता है कि किस प्रकार वे अपनी लेखन प्रक्रिया को परिमार्जित कर सकते हैं।

(ख) भाषा शिक्षण - इस प्रश्नपत्र में भाषा के राष्ट्रीय एवं सामाजिक स्वरूप पर प्रकाश डाला जाता है हिंदी भाषा का मातृभाषा के रूप में एवं द्वितीय भाषा के रूप में तथा विदेशी भाषा के रूप में किस प्रकार शिक्षण किया जाय इसके लिए भी यह पाठ्यक्रम परामर्श प्रदान करता है।

(ग) कार्यालयी हिंदी - यह प्रश्नपत्र प्रशासनिक हिंदी का है।जिसके अंतर्गत कार्यालयी हिंदी का स्वरूप, कार्यालयी हिंदी की शब्दावली, विभिन्न प्रकार के पत्र लेखन के सम्बन्ध में बताया गया है जो छात्रों को हिंदी के प्रशासनिक क्षेत्र में आगे बढ़ने के लिए प्रोत्साहित करता है।

सेमेस्टर -4

4.1 अन्य गद्य विधाएं (Core Course-4)

इस प्रश्नपत्र के अंतर्गत विद्यार्थियों को गद्य के अन्य कई रूपों से परिचित कराया गया है। संस्मरण, निबंध, एकांकी, व्यंग्य जैसी विधाओं के द्वारा यह प्रयास किया गया है कि विद्यार्थी साहित्य की अन्वेषणात्मक शैली से परिचित हो सकें।

4.2 आधुनिक भारतीय भाषा - हिंदी गद्य : उदभव और विकास-क/ख/ग

(इससे संबंधित सभी प्रकार की जानकारी सेमेस्टर -2 के पाठ्यक्रम के अंतर्गत दी जा चुकी है।)

4.3 हिंदी कौशल संवर्द्धक पाठ्यक्रम (Skill Enhancement Course; Any One)

(क) भाषाई दक्षता, अथवा (ख) विज्ञापन और हिंदी भाषा, अथवा (ग) कम्प्यूटर और हिंदी भाषा

(क) भाषाई दक्षता - इस प्रश्नपत्र के अंतर्गत इस उद्देश्य को महत्व प्रदान किया गया है कि किसी भाषा में दक्षता किस प्रकार प्राप्त की जा सकती है।व्यक्ति के सर्वांगीण विकास के लिए जिस भाषा में वह कार्य कर रहा है उसमें दक्ष होना अत्यन्त आवश्यक है।यह कोर्स इस दृष्टि से छात्रों को तैयार करता है।

(ख) विज्ञापन और हिंदी भाषा - यह युग बाजार का युग है जहाँ सारी दुनियां डिजिटल मार्केट से जुड़ गई है।ऐसे में विज्ञापन बाजार में एक महत्वपूर्ण भूमिका निभा रहा है यह कोर्स छात्रों को विज्ञापन की रचनात्मक दुनियां से जोड़ता है जो समय के अनुकूल प्रासंगिक है।

(ग) कम्प्यूटर और हिंदी भाषा - कम्प्यूटर ने जब बाजार में कदम रखा तो कम्प्यूटर की मुख्य भाषा अंग्रेजी बनी हुई थी। हिंदुस्तान में इस बात की आवश्यकता महसूस की गई कि कम्प्यूटर पर हिंदी के प्रयोग से उनके कार्य में सरलता आ सकती है अतः आज यह बेहद आवश्यक है कि कम्प्यूटर पर हिंदी प्रयोग की जानकारी हो, यह कोर्स विद्यार्थियों को इससे संबंधित सभी प्रकार की जानकारी प्रदान करता है।

सेमेस्टर -5

5.1 विषय आधारित ऐच्छिक पाठ्यक्रम (Discipline Specific Elective-I)

(क) हिंदी भाषा का व्यावहारिक व्याकरण, अथवा (ख) हिंदी का मौखिक साहित्य और उसकी परंपरा, अथवा

(ग) हिंदी रंगमंच

(क) हिंदी भाषा का व्यावहारिक व्याकरण - इस प्रश्नपत्र में हिंदी भाषा का व्याकरणिक अध्ययन किया जाता है। वाक्यों और शब्दों की अशुद्धियों से परिचित कराया जाता है। यह प्रश्नपत्र छात्रों को भाषिक तौर पर लिखने, ढ़ने और बोलने में प्रभावशाली बनाता है।

(ख) हिंदी का मौखिक साहित्य और उसकी परंपरा - इस प्रश्नपत्र के तहत विद्यार्थियों को मौखिक साहित्य की परंपरा से परिचित कराया जाता है। जिसमें लोकगीत, लोककथाएं, लोकनाटक, लोकोक्तियां जैसे लोकविषय हैं यह विषय- वैविध्य छात्रों को भारत की विशाल परंपरा समझाने में सहायक है।

(ग) हिंदी रंगमंच - इस विषय के अंतर्गत पारंपरिक रंगमंच की विभिन्न शैलियों से परिचित कराया जाता है और भारत के प्रमुख रंगकर्मियों और उनकी रंगदृष्टि भी विषय अध्ययन के अंतर्गत है। यह प्रश्नपत्र भारत के महान रंगमंच की परंपरा को समझने में सहायक है।

5.2 सामान्य (जेनरिक) ऐच्छिक पाठ्यक्रम (Generic Elective - Any One)

(क) अनुवाद : व्यवहार और सिद्धान्त, अथवा (ख) जनपदीय साहित्य

(क) अनुवाद - व्यवहार और सिद्धान्त - इसमें अनुवाद के सिद्धान्तों के सन्दर्भ में समझाया जाता है। अंग्रेजी से हिंदी अनुवाद और हिंदी से अंग्रेजी अनुवाद के व्यवहार से अवगत कराया जाता है। आज के तकनीकी समय में यह जरूरी हो जाता है कि छात्र अनुवाद कार्य से अवगत हों जो उनके कैरियर के लिए भी महत्वपूर्ण है।

(ख) जनपदीय साहित्य - इस जनपदीय साहित्य के अंतर्गत विभिन्न जनपदों के लोकगीत, लोककथाएं, लोकनाटक एवं पहेलियां इत्यादि पढ़ाई जाती हैं। सोहर, विवाह, मंगलगीत, बारहमासा, होली, कजली गीत एवं कटनी गीत इसमें सम्मिलित हैं। यह लोक से जुड़ाव का साहित्य है।

सेमेस्टर -6

6.1 विषय आधारित ऐच्छिक पाठ्यक्रम (Discipline Specific Elective-2)

(क) साहित्य चिंतन, अथवा (ख) कोश विज्ञान: शब्दकोश और विश्वकोश, अथवा (ग) विशेष अध्ययन: एक प्रमुख साहित्यकार

(क) साहित्य चिंतन - इस प्रश्नपत्र के तहत साहित्य का स्वरूप, साहित्य और समाज और साहित्य की प्रयोजनीयता पर विचार किया जाता है इसके साथ ही साहित्य के व्याकरणिक अवयव भी पाठ्यक्रम में समाहित हैं। यह प्रश्नपत्र छात्रों को साहित्य का औचित्य बताने में सक्षम है।

(ख) कोश विज्ञान - शब्दकोश और विश्वकोश-इस पाठ्यक्रम के अंतर्गत शब्दकोश और विश्वकोश के उपयोग की जानकारी दी गयी है।कोश की निर्माण प्रक्रिया और कोशों के प्रकार के बारे में बताया गया है ऐसे अध्ययन-क्षेत्रों से छात्रों का सुपरिचित होना आवश्यक है।

(ग) विशेष अध्ययन - एक प्रमुख साहित्यकार-इस प्रश्नपत्र में छात्रों को कबीर,तुलसी,प्रेमचंद और निराला में से किसी एक साहित्यकार पर विधिवत अध्ययन कराया जाता है।जिससे साहित्यकार से सम्बंधित समस्त जानकारी शोधार्थी को प्राप्त होती है और वह मजबूत बनता है।

6.2 सामान्य (जेनरिक) ऐच्छिक पाठ्यक्रम (Generic Elective - Any One)

(क) अस्मितामूलक अध्ययन और हिंदी साहित्य, अथवा, (ख) हिंदी सिनेमा और उसका अध्ययन

(क) अस्मितामूलक अध्ययन और हिंदी साहित्य - इस कोर्स के अंतर्गत दलित विमर्श, स्त्री विमर्श और आदिवासी विमर्श को अध्ययन के लिए चुना गया है। ये सारे विमर्श हिंदी साहित्य के अंतर्गत नयी अवधारणाओं को जन्म देते हैं और वर्तमान समय में बेहद प्रासंगिक भी हैं अतः इनका अध्ययन आवश्यक है।

(ख) हिंदी सिनेमा और उसका अध्ययन - इस कोर्स का उद्देश्य छात्रों को सिनेमा के क्षेत्र से अवगत कराना है। सिनेमा के क्षेत्र में कैमरा क्या भूमिका निभाता है इस पर प्रकाश डाला गया है। कुछ चुनिंदा फिल्मों के सन्दर्भ भी साथ में लगे हैं। आज के समय में सिनेमा छात्रों को रोजगार प्रदान कर रहा है अतः इसका अध्ययन आवश्यक है।

10. B.A. (Honours) in History

SEMESTER – I

CC I: History of India I - The paper enables students in understanding early Indian notions of history and consciousness of the past, sources and tools of historical reconstruction and historical interpretations (with special reference to gender, environment, technology and regions).

CC II: Social Formations and Cultural Patterns of the Ancient World - This paper teaches students on the evolution of humankind, Stone Age cultures, world's earliest Bronze Age civilizations in Egypt, Mesopotamia, Shang China, Eastern Mediterranean.

GE I: Delhi through the Ages – This papers helps students to learn, analyze and understand the historical contexts of the city of Delhi. It provides details about the significant monuments of Delhi and inculcate interest in the cultural history of Delhi.

GE II: History of Science and Technology - The paper History of Science and Technology gives information about science and technology in India through different historical periods. It states that from the ancient times there were evidences of science and technology in India.

SEMESTER-II

CC III : History of India-II - This paper dwells upon various aspects of Indian history -- economy and society along with literature , art and architecture of the Ancient period. It also deals with various state systems- monarchy, republics and the beginnings of feudalism in early India.

CC IV : Social Formations and the cultural patterns of the Ancient and Medieval World – This paper helps in understanding the history of Social Formations and Cultural patterns of the Medieval world up to the rise of Islam and Feudalism.

GE III : Issues in the contemporary world:1945-2000 - This paper provides knowledge about the twentieth century, as a dynamic period in world history . As the most populated, inventive, technologically progressive, medically advanced, communicative and warlike century in history.

SEMESTER- III

CC V : History of India – III (c. 750-1200) - This course is for students to critically asses the major debates and interconnected currents of development with the onset of early medieval period, and equips them to further connect this period with the timelines that would be taught in the coming semesters.

CC VI : Rise of the Modern West- I - The paper reflects on the important and different stages of the transitions that took place in Europe , especially from feudalism to capitalism. It also traces its impact on the society, economy, polity and culture.

CC VII : History of India—IV (c.1200-1500) - The students engage in analytical understanding of different themes from the thirteenth to the sixteenth centuries by understanding various perspectives through which the historians have studied this period.

GE VI : The Making of Contemporary India (1950-1990s) - The paper represents the start of a new era with a new vision after independence. After independence India had started to overcome the colonial legacy of economic underdevelopment, poverty, illiteracy, wide prevalence of disease, social inequalities and injustice.

SEC I : Understanding Heritage - Understanding Heritage provides knowledge about history and culture. . Heritage make us to understand who we are and how we are strongly connected as a group or a Nation.

SEMESTER- IV

CC VIII : Rise of Modern West-II - From this paper the students will learn about the major developments in Europe during the 17th and 18th centuries , and this helps students to contextualize the varied nuances of modernity .

CC IX : History of India-V(c.1500-1600) - This course assists students to evaluate the major sources both persian and vernacular used to study this very interesting phase of medieval period. Many neglected themes like the appreciation of visual culture and articulation of authority by the ruler is also taught to make the students familiarize with this period in a more nuanced way.

CC X : History of India-VI(c.1750-1857) - This paper discusses about how powerful and vast Mughal empire started declining and the political boundaries became shrink. It shows the collapse of the administrative structure and rise of regional powers. A number of independent states emerged in all parts of the empire during this period. The period witnessed the colonialism and British expansion into India.

GE VIII : nequality and Difference - This paper helps students to critically assess the prevalent notions of caste, gender and tribes. It outlines the complex relations between inequalities and differences.

SEC IV : Understanding Popular Culture - Understanding Popular Culture is like cultural studies. Popular culture can be found in different societies, within different groups in societies, and among societies and groups in different historical periods.

SEMESTER- V

CC XI : History of Modern Europe - I – The history of modern Europe provides a window to the Western world . Beginning with a detailed study of the French revolution, it gives students a vision of the political, economic, and social changes in Europe over the three centuries.

CC XII : History of India—VII (c.1600-1750) - The paper examines the various body of literature of the period – Persian and the vernacular. Apart from examining the social, political, economic developments of the period, the art, literature and architecture are also given relevance.

DSE I : History of the USA: Independence to Civil War - This paper aims at teaching students the history of the European colonization of America and founding of the United States of America . The paper helps in giving students an understanding of the American democracy and its Constitution.

DSE II : History of the USSR: From Revolution to World War II (1917-1945) – This paper begins with the Russian revolution with different strands of the autocratic Tsar rule , the revolutionaries , the economic crisis , world war I and the Russo-Japanese war. It helps in the understanding of the different processes of a Soviet economy, polity and culture.

DSE IX : History of Modern China (1840-1960) - This paper deals with China's encounters with Western powers, China's struggle to withstand Western political and cultural onslaughts under the weight of her old feudal system and Sino-centric world views.

DSE X : History of Southeast Asia up to the 16th Century - This paper vividly defines the diverse sub-regions of what is today referred to as "Southeast Asia" and the synthesis of three major processes of Indianization, Sinicization and localization in both maritime and mainland Southeast Asia in the precolonial context by analyzing the sources and historical trends concerning the region.

SEMESTER- VI

CC XIII : History of India-VIII (c1857-1950) - This paper helps students understand different regional , religious and linguistic identities developed during the period . And also different forms of anti-colonial struggle in colonial India, the major debates on the Constitution and the socio-economic developments after Independence.

CC XIV : History of Modern Europe-II - The paper assists in understanding of various nationalities and the growth of nation-states in Europe. It also engages students with imperialism and its impact on Europe. The major intellectual currents and arts are also part of this paper.

DSE V : History of USA: Reconstruction to New Age Politics - This paper intends to teach students on the political changes and agrarian transformation during the reconstruction period following the Civil War, the problems and politics of the reconstruction of the South in the aftermath of the Civil War, focusing on conservative and radical phases, the threat of the Ku Klux Klan and other actors.

DSC VI : History of USSR : the Soviet Experience(1945-1991) – This paper helps students in gaining a perspective of the world war II and Cold war with its repercussions on the USSR. It aids students in learning about the complexities involved in the final disintegration of the Soviet system in 1991.

DSE XII : History of Modern Japan and Korea (1868-1950s) - This paper has two unequally divided parts -- history of Japan and history of Korea. The History of Japan begins with Japan's transition from feudalism to capitalism and Japanese Imperialism in China, Manchuria and Korea, and her entry into the Second World War.

DSE XIII : Modern Southeast Asia :17th to 20th Century - This paper begins with the debates on the issues in history and historiography of Southeast Asia, followed by analysis of structures and processes

of European colonialism, history and political economy of cultivation system and plantation economy, cultural changes.

11. B.A. (Prog.) with History

SEMESTER- I

CC I : History of India from the earliest times up to c. 300 CE - This paper aims at imparting students on different kinds of sources used in reconstructing the history of ancient India and interpretations of Indian history by various schools from the colonial period onwards. This course explores various stages and processes of Indian history from prehistoric period to early historic centuries.

SEMESTER-II

CC II : History of India c. 300-1200 CE - This course broadly covers from the last phase of early historic centuries to the early medieval. It begins with the Gupta period, which is considered as a watershed, and continues up to the period of struggle for power in Northern India and establishment of Sultanate.

In lieu of MIL- Cultural Diversity in India - The objective of the course is familiarize the students with the idea of cultural diversity in India. The aim of this course is to introduce students into an investigation of the subcontinent's cultural tradition.

SEMESTER – III

CC III : History of India, c. 1200-1700 - This course introduces students to a thematic study of the main aspects of the period, delineating major transition, changes and developments that include the establishment of the Delhi Sultanate, the Mughal state, Vijayanagara and Rajput polities, encompassing political, administrative, economic and cultural aspects.

In lieu of MIL : Inequality and Difference - The object of the course is to introduce students to the ways historians and sociologists study question of inequality and difference. Since these concepts have been very critically examined by sociologists and historians, the course carries a blend of readings that reflects both disciplines.

SEC I : History and Tourism - The objective of this course is to enable the students to understand the social, historic, scientific, aesthetic and economic values that are inherent in a cultural heritage. This course also examines marketing of built heritage as a tourism product.

SEMESTER-IV

CC IV : History of India(c1700-1950) - This paper provides a thematically arranged overview of the history of India from the beginning of the eighteenth-century to the making of republic in 1950. It traces the history of British colonialism in India.

SEC III : An Introduction to Archaeology - This course is about acquainting students with some basic concepts and methods of archaeological research such as excavation, survey, analysis of artefacts and various dating methods. It describes various stages of development of archaeology as a discipline.

SEMESTER – V

DSE I : Cultural Transformations in Early Modern Europe – I - This paper is the fulcrum of understanding the early cultural history of modern Europe . The significant aspects are the growth of Renaissance and Reformation that had a great impact on early modern Europe.

GE III : Cultural Diversity in India - The objective of the course is familiarize the students with the idea of cultural diversity in India. The aim of this course is to introduce students into an investigation of

the subcontinent's cultural tradition. It discusses various themes with specific articles based on cultural diversity.

SEC IV : Archives and Museum - The aim of this course is to make the students familiar with the structure and functioning of both, archive and museum in India. It also contextualises how the heritage is preserved and kept alive here.

SEMESTER-VI

DSE IV : Cultural Transformations in Early Modern Europe-II - It helps helps students in understanding the scientific developments that swayed early modern Europe with enlightenment ideas . It helps in learning about the literacy and artistic developments as well.

GE IV : Environmental Issues in India - The Environmental Issues in India explains about environment of India from the earlier times to modern period. It shows how environment has been affected by the human activities through the ages. This paper creates awareness about environment.

SEC VI : Popular Culture - This course aims to provide students with a critical understanding of popular culture. One of the objectives of the course is to help the student attempt to define popular culture through a study of the complex theoretical discussion on the subject.

12. B.A. (Prog.) with Food Technology

CORE COURSES

SEMESTER I: DSC-FT-1A: FUNDAMENTALS OF FOOD SCIENCE AND TECHNOLOGY - PART I (Theory+ Practical)

Objectives

1. To introduce students to the field of food science and technology.
2. To familiarize them with the science and processing of cereals, pulses, fruits and vegetables.

SEMESTER II: DSC-FT-1B: FUNDAMENTALS OF FOOD SCIENCE AND TECHNOLOGY – PART II (Theory + Practical)

Objective:

1. To familiarize students with the composition and processing of milk, egg, meat, sugars, fat and beverages.
2. To introduce them to the concept of food hygiene and adulteration

SEMESTER III: DSC-FT-1C: INTRODUCTION To BAKING TECHNOLOGY (Theory + Practical)

Objectives:

1. To impart students with basic knowledge relating to the principles of baking
2. To introduce them to the techniques of cake and pastry processing.

SEMESTER IV: DSC-FT-1D: INTRODUCTION TO FOOD SAFETY AND PRESERVATION TECHNOLOGY (Theory + Practical)

Objectives:

1. To impart students with basic knowledge relating to food safety and principles of preservation.
2. To introduce them to the concept of processing and preservation of fruits and vegetables.

DISCIPLINE SPECIFIC ELECTIVES

SEMESTER V: DSE- FT-1Aa: ADVANCED BAKING TECHNOLOGY (Theory + Practical)

Objectives:

1. To equip students with knowledge related to baking technology.
2. To impart knowledge related to processing techniques of bread, biscuits and cookies.
3. To familiarize them with various food packaging materials

**SEMESTER VI: DSE -FT-1Ab: ADVANCED FRUIT AND VEGETABLE PRESERVATION TECHNOLOGY
(Theory + Practical)****Objective:**

1. To equip students with advanced knowledge of processing and preservation technology of fruits and vegetables.

SKILL ENHANCEMENT COURSES**SEC 1: FOOD PRODUCT DEVELOPMENT* (PRACTICAL)**

Objectives To understand the concept of development of a new product and prepare new products based on special dietary requirements, functionality, convenience and improvisation of existing traditional Indian foods.

SEC 3: CONFECTIONARY TECHNOLOGY (PRACTICAL)**Objectives**

1. Understanding status of confectionary industry in India
2. To learn the technologies of confectionary products.
3. To know about innovations in this sector.

SEC 4: NUTRITION AND WELLBEING (PRACTICAL)**Objectives**

1. To enable the students to identify food sources of nutrients and record diet of self
2. To introduce them to meal planning and concept of food exchange list
3. To familiarize them with planning of diets and and preparation of nutritious snacks for various income groups
4. To make them learn about nutritional labeling and BMI estimation

SEC-6: HOME BASED CATERING (THEORY)**Objectives**

1. To introduce students to the concepts of food service and food production,
2. To acquaint them with different resources required for setting a homebased catering
3. To familiarize them with planning of a food service unit

GENERIC ELECTIVES**GE-FT-1: BAKING TECHNOLOGY (THEORY + PRACTICAL)****Objectives:**

1. To impart students with knowledge related to baking technology.
2. To introduce them to the techniques of cakes, biscuits and pastry processing.

GE-FT-2: FRUIT AND VEGETABLE PRESERVATION TECHNOLOGY (THEORY + PRACTICAL)**Objectives:**

1. To impart students with basic knowledge related to fruit and vegetable preservation.
2. To impart knowledge of preservation of fruits and vegetables.

MECHANISM OF COMMUNICATION

Lectures, Discussions, Assignments, Quiz, Power Point presentations, Websites, Practicals, Demonstration, Field visits, E-learning material, MOOCs.

13. B.A. (Prog.) with Apparel Design and Construction (ADC)

As much as apparel is a basic necessity, the apparel sector is a vital constituent of the economy and a significant provider of employment and self – employment opportunities. The B.A. Programme course with Apparel Design & Construction not only aims at preparing the students for a wide variety of jobs in the apparel industry but also focuses on enabling the students to develop and apply their creative mind in the designing of apparel and home textiles. The theoretical and practical knowledge imparted through this course provide a strong foundation for students' further studies and professional careers.

- An appreciation is developed for well designed and constructed garments and an awareness of the components of quality and performance of apparel.
- An understanding of the principles, processes, and techniques which are fundamental to efficient and effective clothing construction is inculcated.
- After this course student become awareness about the parameters ad specifications useful in selecting the material required for apparel construction and their sources.
- A proficiency in the design and construction of apparel is achieved. Also an understanding for consumer preference and the requirements of markets for apparel is achieved.
- An appreciation for creativity and innovation in fashion design is inculcated as a habit and awareness about designing methods is created.
- Awareness about efficient management of resources required to commercially producing and marketing apparel and making informed consumer choices in entrepreneurial ventures is developed.
- Create understanding of the apparel industry and trade as well the latest trends in garment construction technologies and quality requirements.
- An appreciation for traditional Indian textile art forms is inculcated through education for sustainability of art and tradition.
- Prepare students for professional careers in the garment industry viz. Fashion designer, Fashion blogger, Sketching artist, Apparel merchandiser, Entrepreneur, Textile art conservator, to name a few...

Course wise Specific Outcome for B.A.(Prog) Apparel Design & Construction

- Discipline Specific Course (DSC) 1-4
- Discipline Specific Elective (DSE) 5-6
- Skill Enhancement Course (SEC) 1-5
- Generic Elective (GE) 1-4

Discipline Specific Course (DSC) Semester 1

Fundamental Textile Science and Apparel Construction I

Idea of accepting an art is to acclimatize with its terminology, we start with inculcating Fashion and Fabric terminology into the students. Subject specific understanding is developed, for each unit of fabric from origin to finished fabric goods. Awareness is created in terms of use and selection of Apparel as well as home textiles items. Students become well worse after market surveys and practically handling machines of various types related to fabric industry.

- To familiarize the students with the terminologies related to apparel and its construction.
- To impart knowledge about textile fibres in terms of their origin and performance characteristics.
- To create awareness regarding selection criteria relating to apparel and home textiles.

- To acquaint the students with the tools and equipment used for sewing.
- To impart practical knowledge through market survey and fabric handling.

Discipline Specific Course (DSC) Semester 2

Fundamental Textile Science and Apparel Construction II

After learning about smallest unit of fabric, gradually next step of yarn processing followed by fabric construction technique is taught. For better understanding expert craftsmen are called to college and field visits are conducted. Consumer is concerned with performance of textile, which is by and large affected by finishes imparted; these are taught in detail. Students learn the art of transforming flat fabric into beautiful apparel or home textile pieces, with hands on practical knowledge.

- To impart knowledge about yarn production and properties.
- To foster an understanding of the various fabric construction techniques.
- To develop an understanding of the various finishes used in the apparel industry.
- To acquaint the students with the importance of taking correct body measurements and size charts.
- To introduce the concept of drafting and paper pattern.
- To impart practical knowledge about apparel and home textile production.

Discipline Specific Course (DSC) Semester 3

Textile Design Techniques

- A comprehensive knowledge about the concepts of dyeing, style and methods of printing of textiles is infused to make them ready for industry.
- A technical understanding of traditional Indian embroideries-motifs used, colour combinations used etc. is inculcated among the students.
- Develops an understanding of Indian culture through the crafts among students, so that the variety in skills and expressions of the Indian artist is appreciated by students.
- Create awareness among the students about the relationship of tradition and contemporary trends.

Discipline Specific Course (DSC) Semester 4

Fashion Studies and Design Development

A practical understanding of elements and principles of design which are fundamental to create various designs, is implanted in form of portfolio.

- To familiarize the students to initial concept to development of design through design brief, design inspiration, rendering of designs and about different fashion details which are important for effective clothing.
- An awareness about fashion terminology, basic factors affecting fashion as well as understanding about National and International fashion designers and their work is created.
- Prepare students for professional careers in the various fields like Fashion designer, Fashion blogger, Sketching artist etc.

Discipline Specific Elective (DSE) Semester 5

Apparel industry and quality assessment

This paper train students for assessment of apparel quality at various stages, as quality management is imperative for apparel industry in today's global age. Nothing could be more effective in managing quality, than assessment of apparel quality. An educated customer will be a wiser decision maker; hence we prepare students with customer rights and responsibilities.

- A comprehensive knowledge about judging the quality of readymade garments, at various stages of pre and post garment production is provided to the students.

- Students are acquainted with the readymade garment industry. They are also informed about the challenges as well as prospects of the industry.
- Concept of marketing and its 4 Ps are well explained to the students.
- Understanding of target group is developed by working on various promotional campaigns like advertising brochures, etc.
- The multifaceted role of merchandiser, in the apparel industry is well understood with help of principles and techniques.
- An awareness is generated for domestic and export garment sector. Also recent development, challenge and prospect are explained.

Discipline Specific Elective (DSE) Semester 6

Apparel construction

It is imperative for an apparel industry practitioner to have an understanding of various fabrics; this is provided along with nuances of fitting apparel. With the all-time high usage of technology computers are a part of every successful business, so is for apparel industry. This is well taken into account for by covering Computer Aided Designing (CAD) and Computer Aided Manufacturing (CAM).

- To familiarize the students with the concept of handling of different fabrics.
- To impart practical understanding with regard to various fabric handling, fabric survey and construction are carried.
- To understand the common fitting problems and their corrections.
- To understand the role of CAD & CAM for garment designing and construction in the apparel industry.
- To equip the students with the knowledge about the problems faced by a textile consumer and his rights.

Skill Enhancement Course 1

Fashion Event Management

1. Development of practical understanding about different events such as wedding, sports, corporate, rallies and different fashion events etc., their planning and efficient management of resources required to produce these events.
2. Helps to bring out the creative talents of the students in a good way
3. It will create the awareness about the whole steps involves in conducting an event right from the planning, financing, conceptualizing etc.
4. It also helps in practical understanding about the main administrative, design, marketing, operational and risk management steps required for the successful organization of fashion events.
5. Prepare students for professional careers in the garment industry viz. Fashion Event manager, event coordinator etc.

Skill Enhancement Course 2

Effective Dressing Skills

1. Development of skills of dressing and selecting styles effectively for different body types.
2. An understanding of elements and principles of design is inculcated which helps the students to create the right impression with clothes and accessories.
3. Develops the practical basic knowledge and skills required for making minor alterations in readymade garment to get the correct look and fit.
4. After this course, students would have awareness to recognize and evaluate quality workmanship and making wise buying decisions.

Skill Enhancement Course 3

Apparel retail

Marketing and retailing are most important aspects of apparel industry which are well understood by the students, in practical manner with the help of designing individual projects. Visual merchandising learnt help students grab attractive placements.

- Awareness and understanding of the evolution and current structure of the apparel retailing industry in India is generated.
- An understanding and appreciation of the 4 Ps of marketing is developed.
- Basic principles of visual merchandising and effective customer handling practices are effectively taught to the students.
- Various retail formats are well explained to the students, this opens wider career prospects.

Skill Enhancement Course 4

Apparel Etail

Electronic marketing is the highest potential form for various marketing practices. Students are prepared for electronic business in form of apparel etail which is growing enormously. Working knowledge for establishing an effective website is provided to the recipients.

- An overview is provided about strengths and weaknesses of both retail and etail, to help understand in an efficient way.
- In depth insight is provided in to the evolving business of apparel etailing.
- Awareness is generated for the broad categories of etail business models along with the important factors governing the design of online apparel stores.
- Understanding is provided of the relative strengths and weaknesses of apparel retail and etail operations and an appreciation of the role of multichannel retailing.

Skill Enhancement Course 5

Design Development Project

1. A practical understanding about design development in form of portfolio is inculcated.
2. Helps to understand initial concept to development of design through design brief, design inspiration, sourcing of material etc.
3. Prepare students for professional careers in the garment production industry viz. merchandiser, production coordinator, sampling in charge, technical designer etc.

Generic Elective 1

Fashion: Design and Development

1. Creates an understanding of Indian costume of the Vedic and Mughal period as well as different fashion design details which are incorporated in a fashion garment.
2. A practical understanding about different fashion details which are important for effective clothing construction is developed.
3. This course helps students to make their career in fashion designing by inculcating the practical knowledge about fashion forecasting, process and fundamental principles about designing a successful garment.

Generic Elective 2

Fashion Accessories

1. An understanding about head-to-toe preparation in the industry is infused and helps student develop a broad set of skills in the key areas of vision, craft and business.
2. From the initial concept and design to the full range of fabrication techniques, supply-chain management and distribution understanding is developed.
3. Student learns to forecast trends, market their designs and manage a fashion brand.
4. An appreciation for creativity and innovation in product design is inculcated as a habit and awareness about designing methods is created.

Generic Elective 2

Textiles: Care and Conservation

Textile conservation has attained new height of success in recent times, opening multiple doors as work opportunities for youth. Textiles is one of the most important indicator of history, hence its conservation is of great importance. We train students for textile conservation at different stages. Knowledge on effective display of the textile items is provided to make them ready for industry.

- Students are trained for multifaceted career like exhibition organiser, art curator, display manager, textile restoration officer to name a few.
- Awareness about cleaning equipment opens door for a profession in refurbishing services to our alumni. These refurbishing services are very much demanded by professionals.
- Understanding of Principles of textile cleanliness is developed, by explaining role of water and cleaning additives.
- Awareness is developed with regard to instruments available for cleaning, drying, finishing and ironing textiles. This information helps students to select best suited practice for the specific textile piece.
- Conservation of textiles in museums requires comprehensive knowledge in the field, which is well imparted in the students. Along with ethics and current practices followed worldwide for textile pieces conservation.

Generic Elective 4

Appreciation of Textile Crafts

1. Creates an understanding about the critical role of craft communities and its integral relationship to the Indian society.
2. It helps to understand Indian culture through the crafts, so that students appreciate the variety of skills and expressions of the Indian artist.
3. An understanding of the relationship between tradition and contemporary trends, form and function, creator and consumer is inculcated.
4. Develops an understanding of the processes of creating a craft object from start to finish.
5. Values of conservation, protection of the environment, resources and heritage of the country is developed.

14. B.Sc. (Hons.) Mathematics

SEMESTER-1

Core Paper C1: Calculus

Calculus is the branch of mathematics that studies how things change and what are the effects of change on systems. The course curriculum covers the important topics necessary for sketching of curves like first derivative test, finding the maxima and minima.

Vector functions and their properties are also taught in this course. The students also get knowledge about the planetary motion. Some sketching techniques of curves and their reflection properties are taught in this course. The practical application of calculus is in every field of life like the maxima and minima property is used to find the contents of drugs in blood streams.

Core Paper C2 : Algebra

The course covers polar representation of complex numbers, matrix theory and linear algebra, emphasizing topics useful in other disciplines. Complex numbers are used in electrical engineering all the time, because Fourier transformations are used in understanding oscillations that occur both in alternating current and in signals modulated by electromagnetic waves. Linear algebra is a branch of mathematics that studies systems of linear equations and the properties of matrices. The

concepts of linear algebra are extremely useful in Physics, Economics, Social Sciences and natural sciences and engineering. Due to its broad range of applications, linear algebra is one of the most widely taught subjects in college level mathematics.

Generic-I (GE-I) : Calculus

Calculus is a part of modern mathematics education. A course in calculus is gateway to other, more advanced courses in mathematics devoted to the study of functions and limits broadly called mathematical analysis. Calculus has two main branches namely Differential Calculus and Integral Calculus. These two branches are related to each other by the Fundamental Theorem of Calculus. Applications of differential calculus include computations involving velocity and acceleration, the slope of a curve and optimization. Application of integral calculus includes computation involving area, volume, arc length, center of mass, work and pressure.

This GE course is designed to develop the topics of differential and integral calculus with emphasis placed on limits, continuity, derivatives, and integrals of algebraic and transcendental functions.

SEMESTER-2

Core Paper C3 : Real Analysis

The course deals with behavior of real numbers. It includes the topics on bounded sets, completeness property of real numbers, limit points, sequences and series of real numbers. Study of all these concepts is indispensable for pure as well as applied mathematics. On completion of the course the students will be able to deal with various subsets of set of real numbers and their properties and will be familiar with the concepts of convergence of sequences and series of real numbers for further studies.

Core Paper C4 : Differential Equations

This course identifies order and degree of differential equations and develops essential methods of solving these equations. It also provides applications of ordinary differential equations in various fields. After learning this course students are able to solve homogenous and non-homogenous differential equations of second and higher order. Students also show an awareness of initial and boundary conditions to obtain particular values of constants in the general solution of second order differential equation. Students also learn to visualize and manipulate ODE's in graphical, numerical and symbolic form.

Generic Elective-2(GE-2) : Linear Algebra

Linear algebra is a branch of mathematics that studies systems of linear equations and the properties of matrices. The concept of linear algebra is extremely useful in Physics, Economics, Social Sciences and natural sciences and engineering. Due to its broad range of applications, linear algebra is one of the most widely taught subjects in college level mathematics.

SEMESTER-3

Core Paper C5 : Theory of Real Functions

In this paper Limit and continuity of a real valued function at a point and on intervals defined and given their sequential criterions. Further one sided limits, infinite limits and limit at infinity also defined. It contains Algebra of continues functions, Uniform continuity and differentiability of functions at a point and on interval, also defined and talks about their algebra. And given important results for differentiable functions. Also define convex functions and relative extrema.

Core Paper C6 : Group Theory-I

This course includes the basics of groups, such as properties of groups, subgroups, cyclic groups, permutation groups. It also includes some important theorems like Lagrange's theorem, Cauchy's theorem for finite abelian groups, Cayley's theorem, First, Second and Third isomorphism theorem.

The group theory has many applications in physics, chemistry and materials science. Also algebraic and cryptography uses group theory in many ways.

Core Paper C7 : Multivariable Calculus

Multivariable Calculus is the extension of Calculus in one variable with function of several variables, limit and continuity of function of two variables, the differentiation and integration of functions including multiple variables rather than just one. Students also learn how to evaluate directional derivatives, gradient and extrema of functions of two variables with constrained optimization. It also helps students in learning how to double integrals over a rectangular and non-rectangular region and using polar co-ordinates and evaluating triple integrals over a parallelepiped and solid regions.

Generic-I(GE-3) : Differential Equations

The course of differential equations for students of other Honours courses is being structured so as to give them the basic knowledge of ordinary differential equations and partial differential equations. The different methods to solve these equations are taught in this course like finding the wronskian, the method of variation of parameters, etc. to solve the ordinary differential equations. In partial differential equations the students are being taught about the formation of first order partial differential equation, Lagrange's and Charpit's method to solve them and how to classify the second order differential equation into elliptic, parabolic and hyperbolic equation. The idea behind this course is to provide them with the basic knowledge as they are used in wide variety of disciplines like biology to find the concentration of drug in the blood, chemistry, economics to find the loss or profit or compound interest etc. The partial differential equations have applications in fluid mechanics, heat and mass transfer etc.

SEC-I : Latex n HTML

This syllabus explains the use of popular mathematical tools for scientific writing using LaTeX. For beginner it is very good to learn Mathematical typesetting in Latex. It includes elements of LaTeX; Hands-on-training of LaTeX; graphics in LaTeX; PSTricks; Beamer presentation; HTML, creating simple web pages, images and links, design of web pages.

SEMESTER-4

Core Paper C8 : Partial Differential Equations

This course includes the introduction of partial differential equations (PDE) of first and second order. Also provides the handful of methods to solve first order PDE which further generalized to solve the second order PDE. The three important classes of second order PDE (wave equation, heat equation and Laplace equation) appropriate for modeling different sorts of phenomena are introduced and the appropriate boundary conditions for each of these are considered. The technique of separation of variables will be used to reduce the problem to that of solving the sort of ordinary differential equations and writing the general solution using Fourier series.

Core Paper C9 : Riemann Integration & series of functions

The basic idea of Riemann integral is to use simple approximation for calculating area. In this paper the students are taught about lower sums and upper sums, piecewise continuity of functions, fundamental theorem of calculus and some properties of Riemann integral. Results related to sequence and series of functions are also discussed in this paper. The difference between point wise and uniform convergence is also done in this course.

Core Paper C10 : Ring Theory and Linear Algebra-I

This course includes the basis of rings such as, properties of rings, ideals, prime and maximal ideals of rings. It also provides the study of vector spaces, linear span, basis, linear transformation and isomorphism theorem.

Ring theory is one of the branches of abstract algebra. It has many applications in various branches of mathematics like coding theory, topology, cryptography etc.

Vector spaces also play a prominent role in mathematics. Linear operators defined on an infinite dimensional complex vector spaces are frequently used to study the essence of quantum mechanics.

Generic Elective-4 (GE-4) : Numerical Analysis

This syllabus is divided into three parts. Definitions of different types of error are there. Numerical method to solve nonlinear equations, system of linear equations, first order ordinary differential equations and value of definite integral are discussed.

SEC : CAS & Related Softwares

This syllabus includes use of Mathematica, Maple, and Maxima as calculator, in computing functions, in making graphs; MATLAB/Octave for exploring linear algebra and to plot curve and surfaces; the statistical software R: R as a calculator, explore data and relations, testing hypotheses, generate table values and simulate data, plotting.

SEMESTER-5

Core Paper C11 : Metric Spaces

The course lays foundation of one of the basic disciplines namely Topological Spaces of Pure Mathematics. The concept of distance between two points of a set is introduced by generalizing the idea of distance between two points on real line. The course includes various topics such as open and closed balls, neighborhood, open sets, continuous mappings, sequences, connectedness and compactness. These topics are important in study of higher mathematics. On completion of this course, the students will be able to apply the idea of metric spaces to other areas of mathematics.

Core Paper C12 : Group Theory-II

Abstract algebra evolved in the twentieth century out of nineteenth century discoveries in algebra, number theory and geometry. It is a highly developed example of the power of generalization and axiomatization in mathematics. Group is an important example of an abstract, algebraic structure and groups permeate much of mathematics particularly wherever there is an aspect of symmetry involved. Advancing further from the concepts studied in the Group Theory-I course, this course commences with concept of an automorphism for finite and infinite cyclic groups, group automorphisms and applications of factor groups to automorphism groups. Also, concept of characteristic subgroups, commutator subgroups and its properties are discussed. Furthermore, properties of external direct products of groups, the group of units modulo n as an external direct product, internal direct products, Fundamental Theorem of finite abelian groups are also taught. The most pivotal topic of this course is group action which is studied in much detail with ample examples. Also, a prominence is laid on applications of group actions such as Generalized Cayley's theorem, Index theorem. The course concludes with Sylow's theorems and its consequences to Simple groups and non-simplicity tests. Overall in this course, there is a continued emphasis on understanding and writing proofs of various theorems. Suitable illustrations and counter examples contribute towards a better understanding of the theoretical concepts. This course encourages an in-depth knowledge that intends to prepare the student well for an advanced level course on abstract algebra as well as further research in this topic.

DSE-I (i) : Numerical Methods

This course is divided into three sections.

First section includes the Algorithms, Convergence, Bisection method, False position method, Fixed point iteration method, Newton's method, Secant method, LU decomposition, Gauss-Jacobi, Gauss-Siedel and SOR iterative methods which are used in determining the roots of an equation of the form $f(x) = 0$.

Second section includes the Lagrange and Newton interpolation: linear and higher order, finite difference operators which are used to construct the interpolating polynomials $p(x)$ to a given function $f(x)$.

Third section includes Numerical differentiation: forward difference, backward difference and central difference. Integration: trapezoidal rule, Simpson's rule, Euler's method which are used in approximating the derivative $f^r(x)$, $r \geq 1$ of a given function $f(x)$ and for the evaluation of the integral $\int_a^b f(x)dx$ where a, b may be finite or infinite.

This course enables the students to apply numerical methods in solving the problems by finding an approximated solution with desired accuracy, where analytical solutions are not easy to find. Also to give deeper knowledge of the subject course consists of practicals so that student learn to design a suitable algorithms and write a program in MATHEMATICA/ MATLAB for each of the mentioned methods, and applying this programs in the computer laboratory to solve problems.

DSE-I (ii) : Mathematical Modelling And Graph Theory

This syllabus is divided into three parts. In first part the solution of a differential equation is given by series solution and Laplace Transform method. In second part mathematical modeling is there. Some real life problems are solved. In third part basic definitions related to Graph Theory are given. Also applications to dominoes, diagram tracing puzzles, Knight's tour problem, gray codes are discussed.

DSE-II (i) : Discrete Mathematics

This course comprises of two sections namely Lattice Theory and Graph Theory. The section on lattice theory discusses the results and examples based on concepts such as ordered sets, maps between ordered sets, hasse diagrams, lattices as ordered sets and algebraic structures, sublattices, cartesian products and homomorphisms of lattices. The notions of modular and distributive lattices are studied via suitable illustrations. Further, a study of Boolean algebras and Boolean polynomials is undertaken, and concludes with numerical methods of computing minimal forms of Boolean polynomials such as Quinn-McCluskey method and Karnaugh diagrams. The second section entails various notions associated with graphs such as pseudographs, complete graphs, bipartite graphs, isomorphism of graphs, paths and circuits, Eulerian circuits, and Hamiltonian cycles. Moreover, interesting applications of graph theory such as the travelling salesman problem, shortest path problem, Dijkstra's algorithm, Floyd-Warshall algorithm are also discussed. This course has proved to be quite popular amongst the students as it stands out as relatively light and scoring compared to the theory based papers taught in this semester.

DSE-II (ii) : Cryptography

This course will provide students with a theoretical knowledge of cryptography and network security. By the end of the course, students should be able to:

- Understand the fundamental principles of access control models and techniques, authentication and secure system design.
- Have a strong understanding of different cryptographic protocols and techniques and be able to use them.
- Apply methods for authentication, access control, intrusion detection and prevention.
- Identify and mitigate software security vulnerabilities in existing systems.

This course includes Definition of a cryptosystem, Symmetric cipher model, Classical encryption techniques, Polynomial and modular arithmetic, Introduction to finite field of the form $GF(p)$ and

GF(2n), Fermat theorem and Euler's theorem(statement only), Chinese Remainder theorem, Discrete logarithm. Advanced Encryption Standard (AES), Stream ciphers. Introduction to public key cryptography, RSA algorithm and security of RSA, Introduction to elliptic curve cryptography. Information/Computer Security, Cryptographic Hash functions, Secure Hash algorithm, Digital signature, E-mail security: Pretty Good Privacy (PGP)

SEMESTER-6

Core Paper C13 : Complex Analysis

In the syllabus of this paper there is little generalization of Real Numbers to Complex. Defined differentiability in complex, and given necessary condition to be differentiable in the form of Cauchy–Riemann equations also condition for differentiable functions, also define analytic functions in complex. Given definition of contours and defined integration of a complex valued function over contours. Have important results namely Antiderivative theorem, Cauchy- Goursat theorem, Cauchy integral formula, liouville's theorem and fundamental theorem of algebra, also have result(i.e. Taylor's theorem) in which an analytic function on disk has power series representation and an analytic function on an annulus region has Laurent series. And in the last studied different types of isolated singularities.

This paper also includes practical's in which we learned how to plot algebra of complex numbers, conjugate, modulus, and phase angle. And also calculate integration over straight line and contour over computer by using software like MATLAB/ MATHEMATICA/MAPPLE etc. Also plot complex valued functions and their Taylor series and Laurent series. And also find pole and residue.

Core Paper C14 : Ring Theory and Linear Algebra-II

This course is an extension of Ring Theory and Linear Algebra-I studied in the earlier semester. In this semester, the study progresses on to the concept of polynomial rings over commutative rings, division algorithm and its consequences, principal ideal domains, factorization of polynomials and their reducibility and irreducibility tests. The notions of irreducible elements, prime elements, unique factorization domains and Euclidean domains are studied in detail. The primary section of the course is linear algebra which commences with dual spaces of a vector space, dual basis, double dual, transpose of a linear transformation. Further, significant concepts of Eigen values and Eigen vectors for a linear operator and also, for square matrix are studied via suitable examples and geometrical interpretations. Several results providing necessary and sufficient conditions for diagonalizable linear operators are proved. The study of invariant subspaces is undertaken which leads to proof of an interesting theorem - Cayley-Hamilton theorem. Further, the notion of minimal polynomials for a linear operator is introduced and discussed via results and examples. The highlight of the course is the study of inner product spaces and related concepts such as norms, orthogonalization process, orthogonal complements, adjoint of a linear operator. Significant application of the theoretical results to real life problems are discussed via the methods of least squares approximation and minimal solutions to systems of linear equations. The course concludes with the results and numerical based on normal and self-adjoint operators. This course has proved to be extremely beneficial for students appearing for competitive exams and also, paves way for an advanced level course in functional analysis taught at the post-graduate level.

DSE-III (i) : Probability Theory & Statistics

Probability theory is a branch of mathematics that deals with modeling uncertainty. It is important because of its direct applications in areas such as genetics, finance and telecommunications. It also forms a fundamental basis for many other areas in the mathematical sciences including statistics, modern optimization methods and risk modeling. The course provides an introduction to the probability theory and statistics covering essential topics as follows sample space, probability axioms,

real random variables (discrete and continuous), cumulative distribution function, probability mass/density functions, mathematical expectation, moments, moment generating functions, characteristic functions, discrete distributions, continuous distributions. Joint and conditional distributions, expectation of function of two random variables, conditional expectations, independent random variables, bivariate normal distribution, correlation coefficient, joint moment generating function, linear regression for two variables. Chebyshev's inequality, Limit theorems, Markov Chains. The successful completion of the course will teach the students the fundamentals of statistical analysis and hence, enables them to pursue advanced level courses in Statistics at the post-graduation stage.

DSE-III (ii) : Bio-Mathematics

This course aims

- To introduce students to the application of mathematical modeling in the analysis of biological systems including populations of molecules, cells and organisms.
- To show how mathematics, statistics and computing can be used in an integrated way to analyse biological systems.
- To develop students' skills in algebraic manipulation, the calculus of linear and non-linear differential equations, mathematical modelling, matrix algebra and statistical methods.
- To introduce students to the use of R for the analysis of biological processes and data, including simple computer programming.

At the end of the course, students should:

- have an enhanced knowledge and understanding of mathematical modeling and statistical methods in the analysis of biological systems;
- be better able to assess biological inferences that rest on mathematical and statistical arguments;
- be able to analyse data from experiments and draw sound conclusions about the underlying processes using their understanding of mathematics and statistics;
- be aware of the use of computers to assist them in studying mathematical functions and carrying out statistical tests.

DSE-IV (i) : Number Theory

Number theory is a branch of pure mathematics devoted to the study of the natural numbers and the integers. It is the study of the set of positive whole numbers which are usually called the set of natural numbers. As it holds the foundational place in the discipline, Number theory is also called "The Queen of Mathematics". The number theory helps discover interesting relationships between different sorts of numbers and to prove that these are true.

This course provides an introduction to the study of set of integers and their algebraic properties. Topics include prime factorization and divisibility, linear Diophantine Equations, Goldbach Conjecture, linear congruences, Chinese remainder theorem, Fermat's little theorem, Wilsons Theorem, number theoretic functions, sum and product of divisors, totally multiplicative functions, Dirichlet product, the Mobius inversion formula, reduced set of residues, Euler phi- function, order of an integer modulo n , primitive roots of primes, composite numbers of primitive roots, Eulers Criterion, Legendre Symbol and its properties. Further, significant applications to the theoretical results in the form of Public Key and RSA encryption and decryption are also studied.

DSE-IV (ii) : Linear Programming & Theory of Games

The course begins with the introduction to the linear programming problem. Then it focuses on the simplex method. Next section, deals with the transportation problem and its mathematical formulation. It also provides the methods to solve a transportation problem. Also, the students study assignment problem and its mathematical formulation. In the end, the course deals with the Game

Theory, the formulation of two-person zero sum games and the methods for solving two person zero sum games.

The Simplex algorithm is the basis for mathematical optimization and provides the practical method to solve a linear programming problem. Business managers can use optimization to produce concrete, measurable improvements in performance. It has powerful capabilities that enable businesses to reduce costs, improve profitability, use resources effectively, reduce risks and provide benefits in many other key dimensions.

15. B.A. (Prog.) with Mathematics

SEMESTER-1

Discipline Paper : Calculus

This course structure gives basic idea of functions, limits and continuity, differentiation, successive differentiation, integration, partial derivatives, locating maxima and minima of functions.

SEMESTER-2

Discipline Paper : Algebra

The course includes many topics of algebra. Basic introduction of vectors, their properties are discussed in this paper. Then their linear dependence and independence also discussed. Topics related to matrices and solution of linear homogenous and Cayley Hamilton Theorem are discussed. The course curriculum also covers the topics on De Moivre's theorem, finding the roots of n-degree equations, relation between their roots and coefficients.

SEMESTER-3

Discipline Paper : Analytic Geometry n Applied Algebra

The course includes the study of conic sections, spheres, cylindrical surfaces, vectors and their properties, applications of algebra that include Latin squares and street surveillance. On completion of this course, the students will be able to sketch graphs of different conic sections, and perform addition and subtraction of vectors, scalar multiplication and vector multiplication. All these concepts are important for further study of maths.

SEC-I : Latex n HTML

This syllabus explains the use of popular mathematical tools for scientific writing using LaTeX. For beginner it is very good to learn Mathematical typesetting in Latex. It includes elements of LaTeX; Hands-on-training of LaTeX; graphics in LaTeX; PSTricks; Beamer presentation

SEMESTER-4

Discipline Paper : Analysis

This course provides the study of real numbers and their properties, bounded sets, limit points, convergence of sequences and series. All these concepts are important for further study of Mathematics. After completion of this course the students will be able to understand behavior of real numbers and their applications.

SEC-II : Computer Algebra System (CAS)

This syllabus includes use of Mathematica, Maple, and Maxima as calculator, in computing functions, in making graphs; MATLAB/Octave for exploring linear algebra and to plot curve and surfaces; the statistical software R: R as a calculator, explore data and relations, testing hypotheses, generate table values and simulate data, plotting.

SEMESTER-5

Discipline Paper : Differential Equations

The course of differential equations for B.A. Prog students is being structured so as to give them the basic knowledge of ordinary differential equations and partial differential equations. The different methods to solve these equations are taught in this course like finding the wronskian, the method of variation of parameters, etc. to solve the ordinary differential equations. In partial differential equations the students are being taught about the formation of first order partial differential equation, Lagrange's and Charpits method to solve them and how to classify the second order differential equation into elliptic, parabolic and hyperbolic equation. The idea behind this course is to provide them with the basic knowledge as they are used in wide variety of disciplines like biology to find the concentration of drug in the blood, chemistry, economics to find the loss or profit or compound interest etc. The partial differential equations have applications in fluid mechanics, heat and mass transfer etc.

SEC-III : Statistical Software R

In this course, you will learn how to use R for effective data analysis. The course will begin with an introduction to programming languages and programming in R. You will learn basic syntax, coding grammar & "etiquette" and a range of vocabulary to aid in data analysis. This course includes practicals using R programming language whose benefits include:

- R's free and open-source: There is no need to keep track of expensive licenses, it's available to all (e.g. Mac, Windows, Linux), and the source code is explorable and editable.
- R's great for statistics: R's foundation is one of statistical analysis. Designed by statisticians, the resulting language is intuitive for statistical analysis and the flexible statistical analysis toolkit is large.

At the end of this course, students will be able to:

- List motivation for learning a programming language
- Access online resources for R and import new function packages into the R workspace
- Import, review, manipulate and summarize data-sets in R
- Explore data-sets to create testable hypotheses and identify appropriate statistical tests
- Perform appropriate statistical tests using R

Generic-I : General Mathematics-I

This paper divided into 3 sections in the 1st section there is brief introduction about lives and information on the work of different renowned mathematicians.

In the 2nd section there is overview and history of number systems and its theory and defined algebraic number, transcendental number, prime numbers, Fermat numbers etc.

3rd section contains matrices, different types of matrices, determination of matrix and inverse of matrix by different method.

SEMESTER-6

Discipline Paper : Statistics

This course equip students to learn concepts and tools for working with data and have experience in analyzing real data that goes beyond the content of a service course in statistical methods for non-majors. They get the understanding of the fundamentals of probability theory, statistical reasoning and inferential methods, statistical computing, statistical modeling and its limitations, and have skill in description, interpretation and exploratory analysis of data by graphical and other means. Also graduates are expected to learn to communicate effectively.

SEC-IV : Transportation and Network Flows

This course includes Transportation problem and its mathematical formulation, northwest-corner method least cost method and Vogel approximation method for determination of starting basic solution, algorithm for solving transportation problem, assignment problem and its mathematical

formulation, Hungarian method for solving assignment problem. Game theory: formulation of two person zero sum games, solving two person zero sum games, games with mixed strategies, graphical solution procedure. This course enables the students to identify the special features of the transportation and network flow problem. It develop an understanding and appreciation of specialized linear programming concepts (integer LP, transportation and assignment models, network models) and unconstrained and constrained optimization as effective tools in addressing real world problems especially those that are relevant to decision making in business, economics and other related areas.

Generic-II : General Mathematics-II

This paper divided into 3 sections in the 1st section there is brief introduction about lives and information on the work of different renowned mathematicians different from General mathematics– I. In 2nd section famous problems like Konigsberg Bridge and four- colour map problems discussed. Also defined different types of functions via their graphs. Also studied geometry and different shapes. Groups and Fractals in nature also studied. 3rd section contains different type of system of linear equations and different types of methods to solve them. Also studied row equivalence and rank of a matrix.

16. B.A. (Prog.) with Music

Main objective of this subject is to familiarize the students about our old, rich heritage of classical music. Besides being a performing art music has its own complete theory system (shastra) which is also a very essential part of this Art.

Students who opt this subject may be able to understand the Music (its logo, its rules etc.). Listening of good music, which soothes mind & sole, is also a great motive of this subject.

SEC -Syllabus of this course strongly support the discipline course. Students learn tabla/ harmonium in this format which make students more skilled in their subject. Opting this program they can achieve more opportunities in the field of music:

*After regular practicing students might be able to teach and earn.

*Students can prepare themselves for post-graduation (Higher studies) and might be able to get jobs.

Following papers are being taught :

Semester 1

Paper name-Theory of Indian music (general) & biographies of musicians, composers, & musicologists.

Semester 2

Paper name- Theory of Indian music (general) & biographies of musicians, composers, & musicologists.

Semester-3

Paper name-Theory of Indian music, ancient Granthas & contribution of musicologists.

Semester 4

Paper name-Theory of Indian music, medieval Granthas & contribution of musicians & musicologists.

Semester 5

Paper name-Theory of Indian music and study of ancient granthas and Ragas.

Semester 6

Paper name- Musicology and study of Ragas & Talas.

SEC. For B.A. programme

Semester -3, 4, 5, 6

Paper- Value based and practical oriented course for Hindustani Music.

GE for B.A. programme

Semester -5, 6

Paper--Theory of Indian music and musicians.

17. B.A. (Hons.) in Philosophy

CORE COURSE (14 PAPERS)

SEMESTER – I

C1-PAPER- I – INDIAN PHILOSOPHY

The Indian Philosophy aims to introduce as well as delineate the fundamental metaphysical and epistemological concepts in the Indian philosophical thought. Beginning with a general introduction and discussion on the primal doctrines of metaphysics with reference to the Upanisads, the paper further elaborates some of the key theories of the different orthodox and heterodox systems of Indian philosophy. The discourse is diverse, moving from a discussion on 'existence' from the Indian philosophical perspective to highlighting the debate on the idea of Ultimate Reality by some central schools of thought in Indian philosophy. In a nutshell, the paper provides a consolidated picture of Indian philosophical thought and impresses upon the young mind the significance of the Indian outlook to understand life.

C.2-PAPER –II- LOGIC

Logic provides training in the construction of good argumentation (reasoning from premises to a conclusion). Students learn basic skills of reasoning – the ability to draw valid inferences and to recognize invalid ones, to identify and evaluate their own and others' background assumptions, and to grasp the implications and practical conclusions that follow from a claim or viewpoint being considered. Students will be able to defend philosophical views with cogent arguments in standard premise/conclusion form. Fair-minded and careful argumentation can lead to valuable insight into the respective strengths and weaknesses of alternative, even opposing views, and sometimes to the discovery of common ground between them.

SEMESTER – II

C.3- PAPER-III- GREEK PHILOSOPHY

The Greek Philosophy paper attempts to make its study relevant to the students who wish to seek a historical background to contemporary philosophy. In this course students are introduced to the theories and arguments of the Greek philosophers that have historical importance. It starts with a general survey of Pre-Socratic philosophers like the Milesians, Pythagorus, Heraclatus, Permenides and the Sophists. It then continues with some of the pertinent issues raised by Socrates, Plato and Aristotle. The study of Ancient Greek philosophy helps the students to gain the wisdom that makes meaningful life possible.

This course is also relevant to the goal of changing the society in which students live since significant change in society is likely to occur when its youth is provided with a truly liberating education of the sort envisioned by Plato, Aristotle and Socrates.

C.4-PAPER-IV- ETHICS

This paper on Ethics aims to enhance the comprehension of students on the subject matter of ethics. It begins with a discussion on the notion of morality, in terms of its classification and characterization. It discusses at length the three classical approaches of Aristotle, Kant and J.S. Mill to leading a good or ethical human life. A section of the paper illustrates the application of ethical argumentation in certain complex empirical issues such as 'Capital Punishment' and 'Euthanasia'. The course culminates

in a discussion on the conceptualization of what is considered to be right and wrong from the Indian philosophical perspective.

SEMESTER – III

C.5- PAPER – V- WESTERN PHILOSOPHY (Descartes to Kant)

This course introduces the students to the Western philosophical tradition, through the study of rationalists like Descartes, Spinoza and Leibnitz; empiricists like Locke, Berkeley and Hume, and the modern critical philosopher like Immanuel Kant. Students are introduced with questions that have been significant to philosophy from its beginnings: questions about the nature of the mind or soul, the existence of God, the foundations of knowledge, ethics and the good life. In the process of evaluating the arguments of these philosophers, students will develop their own philosophical and analytical skills.

C.6- PAPER –VI- SOCIAL AND POLITICAL PHILOSOPHY (INDIAN and WESTERN)

The course is broadly divided into two sections – Western and Indian. The course examines the principles and norms of social institutions and established modern institutions taking into account the different philosophers and thinkers. The objective is to build a sound theoretical foundation in understanding the complex social and political institutions, taking individual as a starting point in relations with social institutions and society to the world community. The course considers the application of these principles to such issues as justice, liberty, equality, rights, humanism etc. In the Indian section the philosophy of Gandhi, Tagore and M.N Roy are studied.

C.7-PAPER- VII- APPLIED ETHICS

Applied ethics is the practice of ethics that aims to guide the moral judgment governing the decisions we make in all areas of our lives. Issues of right and wrong are related to one's values. This paper helps the students to identify the correct approach to issues related to the value of human life, for example, euthanasia, suicide, foeticide etc. This course also discusses issues related to environmental ethics in terms of respect for animals and ecology, medical ethics and media ethics.

SEMESTER – IV

C.8- PAPER-VIII-TEXT OF INDIAN PHILOSOPHY

In the Text of Indian philosophy 'Nyayabindu' of Dharmakirti has explained how to achieve valid knowledge through casual sequence in our experience. The aim of this paper is to attain the valid knowledge or pramana. In this reference it explains the medium of valid knowledge, form of valid knowledge and the important component of knowledge. Basically the paper is focussing the epistemology component in Buddhism and discusses the other philosophers point of view.

C.9- PAPER- IX- TEXT OF WESTERN PHILOSOPHY

The objective of this paper is to inculcate the core philosophical thinking among students. This is done by including some of the classical western philosopher's texts such as Existentialism and Humanism by Sartre, Letters on Humanism by Heidegger, Philosophy and the Mirrors of Nature by Richard Rorty and The Last Word by Thomas Nagel. The paper engages students in reading the text and understanding between the lines. It also engages students in the ongoing debate between existentialism, epistemology, hermeneutics and the subjectivism vs objectivism. It helps students in developing analytical, critical and holistic approach towards the world.

C.10-PAPER-X- TRUTH-FUNCTIONAL LOGIC: PROPOSITIONAL AND PREDICATE

Truth functional Logic is the course which enables students to understand and apply the basic concepts essential to a critical examination and evaluation of argumentative discourse. In this course students use and investigative analytical thinking skills to examine alternatives, explore complex

questions and solve challenging problems. This also helps to synthesize information in order to arrive at reasoned conclusions and evaluate the logic and validity of arguments, and the relevance of data and information. The course is aimed to recognize and produce definitions of basic concepts essential to critical examination and evaluation of argumentative discourse and make competent use of important logical operations. Through this course students will apply standard techniques of truth table and natural deduction for truth-functional logic, involving important inference rules to determine important truth-functional logical properties and relations.

SEMESTER – V

C.11- PAPER- XI- ANALYTIC PHILOSOPHY

Analytic Philosophy holds that philosophy should apply logical techniques in order to attain conceptual clarity. It refers to certain historical developments in early 20th century philosophy. The central figures in this historical development were Bertrand Russell along with Wittgenstein, G.E. Moore and logical positivists like A.J. Ayer. This paper mainly introduces the students with an overview of analytic philosophy through Russell's *Problems of Philosophy*. Students also get familiar with Ayer's famous arguments regarding whether the idea of Metaphysics should be abandoned and G.E. Moore's arguments to show that we are absolutely certain about some of our common sense beliefs.

C.12-PAPER XII- CONTINENTAL PHILOSOPHY

The course is designed to bridge the gap between the analytical school that dominated the English speaking countries and the continental schools that remain pre-dominantly in Europe. The course is to provide an introduction to the continental school of philosophy through an examination of some dominant schools of philosophy vis-a-vis Phenomenology, Existentialism, Structuralism, Hegelian dialectic, etc. A critical analysis of the philosophical ideas reflects the cognitive skills and ability to grasp and appreciate human condition. The objective of the paper is to initiate students of philosophy with those concepts and built a critical outlook with objectivity.

B : DISCIPLINE SPECIFIC ELECTIVE-4 (DSE) SUBJECT CENTRIC(ANY TWO)

1. PHILOSOPHY OF MIND

Philosophy of mind is one of the most exciting areas within philosophy. It is concerned with questions about the nature of mind and the relation between our minds and the physical world. This course provides an introduction to philosophy of mind by introducing participants to the mind-body problem, one of the most intractable problems in philosophy. Students through their reading of various classical and contemporary works on the mind-body problem encouraged to think for themselves about the problems addressed. Through this course students are encouraged to develop philosophical thinking and the ability to describe the main arguments for and against the main positions in the mind-body debate. Primarily the course is expected to enhance the ability to explicate their own view on the mind-body problem.

2. PHILOSOPHY OF SCIENCE

Science has a long history of how we conflict and understand the sense of the world. The philosophical dimension of this stream investigates science as a way of knowing. The goal is to better understand science's many methods, fundamental concepts, logic, and ethics. In this paper students will study influential thinkers, such as Hume, Popper, Lakatos, Kuhn and Feyerband and also come to understand crucial methodological problems, such as the problems of induction (how do we know the world will continue to conform to our previous observations?) and scientific models (what is a scientific model, and how do we really learn about the world using computer simulations?)

3. PHILOSOPHY OF LAW

This paper inspires the students to confront the philosophical problems implicitly with self experiences, and experience of others and universe together with the questions of morality, rules and norms. Students develop the habits of clear, critical thinking within the frame work of law and morality. Through this paper students get aware about the general philosophical analysis of law and legal Institutions. The principal objective of this paper, especially in Jurisprudence has provide the knowledge of what distinguishes law as system of norms from other system of norms, such as ethical norms.

4. INDIAN MATERIALISM

Materialism is a form of philosophical monism which holds that matter is the fundamental substance in nature, and that all things, including mental aspects and consciousness, are results of material interactions. But regarding this view many problem arises like...How to create consciousness by material things? Who is the creator of all things? How to explain material things as formal cause? Etc... This paper deals with all above points and explains the problems and solution. This paper is also explaining the development of the concept of Indian Materialism through ancient era (Pre Charvaka) to contemporary era (B. Ramakrishna).

5. BIO-ETHICS

The objective of this paper is to make students familiar with the notion of bio-ethics. The paper is very much relevant in the contemporary time when people are shedding away from their responsibility towards nature. The reason could be many including the ignorance of their surroundings. This paper throws light on the right and responsibility of human with human, human with nature and human with others. Besides, the paper also deals with medical-ethics thus it enables students to equip with the idea of autonomy, consent and privacy with respect to the relationship between doctor and patient, hospital/diagnostic centers and patient etc.

SEMESTER – VI

C.13-PAPER-XIII- PHILOSOPHY OF RELIGION (INDIAN & WESTERN)

In the present times when the notion of religion is often grossly misunderstood, the current paper on Philosophy of Religion is an attempt to make the young minds develop an analytical view of religion and the matters related to it. The objective is to make the reader understand that even the mundane notions such as the existence of God, karma and rebirth etc. that commonly happen to be accepted without a hitch, are issues under scanner, if looked at from a philosophical and non-biased perspective. The crucial topics like 'religious pluralism', 'religious language', 'religion and science' serve as an impeccable groundwork in understanding the superstructures of religion that we have today.

C.14-PAPER-XIV- PHILOSOPHY OF LANGUAGE (INDIAN & WESTERN)

Language is the vehicle of thought. Philosophy of Language is a systematic inquiry into the origin of language, the nature of meaning, the usage and cognition of language and the relationship between language and the reality. As language is the centre of human life, human culture and human cognition, the course is a sincere attempt to understand the realities of the world through the systematic study of the various concepts involved in philosophy of language. The course expounds main problems and positions in philosophy of language and explain the meaning of the philosophical concepts in different positions on language. The course also establishes the relationship between language users and the realities of the world and enables human thinking to analyze theses realities.

B : DISCIPLINE SPECIFIC ELECTIVE-4 (DSE) SUBJECT CENTRIC(ANY TWO)

1. PHILOSOPHY OF LOGIC

Philosophy of Logic is the area of philosophy devoted to examine the scope and nature of logic. In this paper, students are taught to investigate, critically analyse and intellectually reflect different theoretical issues arising in Logic. In this context, P.F. Strawson's *Introduction to logical theory* provides the students a detailed examination of the relationship between the behavior of words in common language and that of symbols in logical language.

2. KNOWLEDGE AND SKEPTICISM

Purpose of prescribed text *An Introduction to Contemporary Epistemology* by great scholar and philosopher Jonathan Dancy is to up-to-date contemporary epistemology (Theory of knowledge). It includes philosophical and conceptual method for philosophical discussion and analysis. The prescribed topics 'Skepticism', 'Knowledge: Gettier's Problem and Responses', 'Nozick's conditional theory of Knowledge' and 'Foundationalism and its problems' includes numerous examples which illustrates problems, theories, objections and contradictions. Therefore, enhancing one's ability to critically and logical analyze every aspect. Thus, it is of interest to both undergraduates and beginning graduate students who wish to familiarize themselves with the epistemological territory and explore their inquisitive mind.

3. AESTHETICS

Aesthetics not only concerned with the nature and appreciation of art, beauty and good taste, it is a critical reflection of art and culture with respect to value judgements. That is why in this course the idea of art, the work of art and the intention of art is discussed in the perspective of morality.

4. INDIAN THEORIES OF CONCIIOUSNESS

Consciousness is the state or quality of awareness so can be defined in various ways. The aim of this paper is to discuss the consciousness in the context of Indian philosophy. It gives insight into the different philosophical systems how they deal with the theory of consciousness, such as, according to materialism (Charvak) consciousness is regarded as a mere product of matter but some other believes consciousness is pure soul.

5. FEMINISM

The objective of this paper is to provide a holistic (historical, philosophical, analytical and critical) notion of feminism philosophy. There are many sort of perplexity with the term feminism so the aim of this paper is to provide a clear and distinct understanding of this term and associated ideas. The paper covers the topics such as- The creation of Patriarchy, Feminism: A movement to end sexiest oppression, Is there a feminist method, The risk of essence, The Self is not gendered, Women religion and social change in early Islam and many more.

GENERIC ELECTIVE (GE) COURSES FOR OTHER HONS.

SEMISTER 1: ETHICS IN PUBLIC DOMAIN

Ethics in the Public Domain (EPD) is a paper offered to the interdisciplinary students under the CBCS Generic Elective. This paper is concerned with the topical issues and exposed a number of philosophical and ethical dilemmas related to the concept of ethics in public domain. The objective of the paper is to engage students with conceptual analysis on various topics as the paper basically deals with issues ranging from social, media, technology and public affairs. The study will allow the students to focus on the importance of ethics and identify ethical concern on all issues that concerns individual and the society.

SEMISTER 2: (i) FORMAL LOGIC

The objective of formal logic paper is to impart reasoning skills in students so that they can arrive upon correct judgements easily along with identifying the incorrect ones. In logic various methods are

used to deduce or induce a judgement/conclusion. These various methods helps to sharpen and enhance our reasoning ability. In Formal logic traditional methods (mainly Aristotelian) are used in detail along with some glimpse of modern logic. The paper provides a very good insight to students preparing for entrance examinations.

(ii) SYMBOLIC LOGIC

Symbolic Logic is an advance level paper which provides a good insight of modern methods to solve any logical problem. It deals more with symbols than theory.

SEMISTER 3 : FEMINISM

The objective of this paper is to provide a holistic (historical, philosophical, analytical and critical) notion of feminism philosophy. There are many sort of perplexity with the term feminism so the aim of this paper is to provide a clear and distinct understanding of this term and associated ideas. The paper covers the topics such as- The creation of Patriarchy, Feminism: A movement to end sexist oppression, Is there a feminist method. The risk of essence, The Self is not gendered, Women religion and social change in early Islam and many more.

SEMISTER 4: BIO-ETHIC

The bio-ethics paper is very much relevant in the contemporary time when people are shedding away from their responsibility towards nature. The reason could be many including the ignorance of their surroundings. This paper throws light on the right and responsibility of human with human, human with nature and human with others. Besides, the paper also deals with medical-ethics thus it enables students to equip with the idea of autonomy, consent and privacy with respect to the relationship between doctor and patient, hospital/diagnostic centers and patient etc.

SKILL ENHANCEMENT COURSE (SEC)

SEC 1: CRITICAL THINKING AND DECISION MAKING

The purpose of learning is to think critically and make right decision in any subject matter. Course on Critical Thinking and Decision Making is aimed at to inculcate in students to develop the habit of clear and critical thinking within the framework of both adequate philosophical methodology and accepted norms of scholarship. The aim in this course is to develop the skill to identify and critically evaluate arguments made by others and to construct one's own arguments and defend them from criticism, both orally and in writing. The learning outcomes by the end of this course is expected that students should be able to use the methods of informal logic to identify different types of claims, issues, and arguments and evaluate claims, issues and arguments, and identify mistakes in reasoning. At the under graduate level this course also helps the students to formulate for herself or himself a philosophy of life or world-view consistent with the objectives of liberal society.

SEC 2: ART AND FILM APPRECIATION

With the development of motion picture, "art" encompasses a wide range of scope including performative art and non per-formative art – songs, dances, poetry, lyrics, paintings, literary criticism, etc. And the work of art gives a sheer joy and happiness. An aesthetic joy is boundless. The analysis of film enables viewers to truly appreciate the work as a form of art. The skills are important to appreciate film as a creative work of art. The goal is to identify and discuss the techniques, meanings, messages, and at large it should enable the student to understand the communicative process of the work of art and film.

18. B.A. (Prog.) with Philosophy

DISCIPLINE SPECIFIC CORE COURSE (DSC)

Semester I: DSC 1A/2A: LOGIC

Logic is applied in many different fields for e.g. Mathematics, Computer science and engineering etc., but at the under-graduate level, this paper is taught to enable the students to differentiate between correct and incorrect reasoning. And enables students to do self-judgment before making any comments, sharpens the mental abilities. Also it helps to recognize fallacies to check the soundness of arguments etc. These are the things that are needed in a variety of real-life situations e.g. gets a better understanding of debate with others.

Semester II: DSC 1B/2B: ETHICS

It increases ethical sensitivity especially among first year students. (e.g. study about values, it helps students to identify different kinds of moral values, and distinguish them from other sorts of values). Also it enhances ethical knowledge.(e.g. code of ethics, through which students can raise ethical issues about euthanasia, animal cruelty etc.) Finally, it improves ethical judgments – that in turn enhances ethical will power.

Semester III: DSC 1C/2C: INDIAN PHILOSOPHY

Indian Philosophy gives a clear comprehensive and critical account of various system of Indian philosophy. So, Indian philosophy denotes the speculation of all Indian thinker such as philosophy of Ārvāka (Indian materialism), Buddhism, Vedānta etc. Therefore, Indian philosophy is the reflection of richness of Indian culture and civilization as it springs from the ideas that prevails in its atmosphere and bears its stand. It encourages one to view philosophy as a practical necessity and cultivate it in order to understand how life can be best lead. It emphasizes the spiritual and practical realization of truth as well as means which lead to this realization. Thus, Indian philosophy inculcates in us that philosophical wisdom is not merely satisfaction of intellectual curiosity but mainly an enlightened life lead with foresight, farsight and insight.

Semester IV: DSC 1D/2D: WESTERN PHILOSOPHY

This course introduces the students to the Western philosophical tradition, through the study of rationalists like Descartes, Spinoza and Leibnitz; empiricists like Locke, Berkeley and Hume, and the modern critical philosopher like Immanuel Kant. Students are introduced with questions that have been significant to philosophy from its beginnings: questions about the nature of the mind or soul, the existence of God, the foundations of knowledge, ethics and the good life. In the process of evaluating the arguments of these philosophers, students will develop their own philosophical and analytical skills.

DISCIPLINE SPECIFIC ELECTIVE COURSE (DSE)

SEMESTER V (ANY ONE)

DSE 1: VEDIC VALUE SYSTEM

The Veda teaches a man his rights and duties, obligations and responsibilities at all stages of life (asramas). In this paper, after an introduction to Vedas, different values in different asramas, the Varna theory and its misconceptions etc. are taught. The Veda also discusses about the purposes or goals of human life — the purusarthas. The four purusarthas—Dharma (righteousness), Artha (prosperity), Kama(pleasure) and Moksa (liberation)—are also taught in this paper apart from the nature of svadharma and niskama karma.

DSE 2: BUDDHISM

One of the most important Buddhists' aims is resolving the problem of human actions and liberation. This aim may be common to all higher religions but Buddhist gives a more complete view to the purpose of life and its meaning. Regarding this point of view the paper deals all basic concept of human action like... Law of action, basic concept of ethics, status of soul, concept of rebirth and the process of liberation.

DSE 3: GREEK PHILOSOPHY

The ancient Greek thinkers Socrates, Plato and Aristotle are still widely regarded as the three greatest philosophers of all time. They raise fundamental questions and develop the use of argument to try and answer them: What is the nature of reality? What is freedom and virtue? What is it to be a good person? What is the best kind of life for a human being to lead? What it is to know what is good? What is to be just? What is an ideal state? All these issues are dealt at length in this paper along with Epicurus' and the Stoics' concepts of pleasure and happiness.

DSE 4: SOCIAL AND POLITICAL PHILOSOPHY

It analyze the role of individual and government in the society. Therefore, it enhances one's social and political outlook from both western and Indian perspectives. The topic like "Ashoka, 13 Major Rock Edicts" consists of virtues and values that one need to inculcate. It discusses state morality and private or individual morality. Also, the topic like "Dhammapada (Selections)" consists of teachings of the Buddha with examples and similes and motivates one to be a virtuous person. "Manavdharamshstra or Laws of Manu" deals with analysis of role of women in ancient Indian tradition as well as it talks about rules for time of adversity and theory of karma. *The Second Treatise* of Civil Government by John Lock discusses legitimate government, natural rights, social contract, slavery etc. which enhances us of understanding our rights and role of government. Further, *The Communist Manifesto* by Marx and Engels which discusses class struggle and mass struggle also deals with individual rights and role of government.

DSE 5: APPLIED ETHICS

Applied ethics is the practice of ethics that aims to guide the moral judgment governing the decisions we make in all areas of our lives. Issues of right and wrong are related to one's values. This paper helps the students to identify the correct approach to issues related to the value of human life, for example, euthanasia, suicide, foeticide etc. This course also discusses issues related to environmental ethics in terms of respect for animals and ecology, medical ethics and media ethics.

SEMESTER VI

DSE 1: JAINISM

Jainism is one of the very important heterodox systems of Indian philosophy. In this paper students are first introduced to an overview of Jain philosophy. Then Jain metaphysics, epistemology and ethics is being taught in this paper. Two of the most important and fundamental doctrines of Jainism are Anekantavada and Syadvada. Anekantavada refers to the principles of pluralism and multiplicity of viewpoints, the notion that truth and reality are perceived differently from diverse points of view, and that no single point of view is the complete truth. Syadvada is the theory of conditioned prediction.

DSE 2: PHILOSOPHY OF RELIGION

The aim of philosophy of religion is to render various religious beliefs intellectually acceptable, and the philosophical examination of the central theme involved in religious traditions of historical events and general features of the cosmos. It also deals with argument about God's existence, the significance of religious pluralism, the nature of God and evil in relation to God etc.

DSE 3: FEMINISM

The objective of this paper is to provide a holistic (historical, philosophical, analytical and critical) notion of feminism philosophy. There are many sort of perplexity with the term feminism so the aim of this paper is to provide a clear and distinct understanding of this term and associated ideas. The paper covers the topics such as- The creation of Patriarchy, Feminism: A movement to end sexism

oppression, Is there a feminist method, The risk of essence, The Self is not gendered, Women religion and social change in early Islam and many more.

DSE 4: AESTHETICS

Aesthetics not only concerned with the nature and appreciation of art, beauty and good taste, it is a critical reflection of art and culture with respect to value judgements. That is why in this course the idea of art, the work of art and the intention of art is discussed in the perspective of morality.

GENERIC ELECTIVE COURSE (GE)

SEMESTER V GE PAPERS:

1. FUNDAMENTALS OF INDIAN PHILOSOPHY

In this paper students are initially provided with an overview of Indian Philosophy in terms of its basic character. In the epistemology section different types of pramanas are taught. In Metaphysics, self and causality; and in moral philosophy, the ethical theory of *Bhagavatgita* provides the students with a strong foundation of the fundamentals of Indian Philosophy.

2. TECHNOLOGY AND ETHICS

This is a very relevant interdisciplinary paper in present context for the undergraduate students of all streams. With the advancement of science and technology and also with an enormous change in the social structure all over the world, ethical dilemmas are increasing day by day. The use of technology must be consistent with its social and economic implications. Public evaluation of science and technology is necessary.

SEMESTER VI GE PAPERS:

1. PHILOSOPHICAL THOUGHT OF AMBEDKAR

All students interested in philosophy must be aware of the thoughts of Dr. Bhimrao Ambedkar, an economist, jurist, politician and social reformer. Ambedkar's philosophy must be understood in a socio-political context. A large part of Ambedkar's writings had a direct bearing on Hinduism. Keeping these things in view, this paper incorporates his critical views of Philosophy of Hinduism and its religious texts. Ambedkar considered Buddhism, which attempted to found society on the basis of morality and reason as a superior religion than all the others. Ambedkar's idea of a casteless society and his movements against social discrimination of the untouchables is also there in this paper.

2. INDUCTIVE LOGIC OR LOGIC (DSC 1A/DSC 2A)

Logic contains two types of arguments -- deductive and inductive. Inductive reasoning, as opposed to deductive one, is a method of reasoning in which the premises supply some evidence for the truth of the conclusion. Different kinds of induction such as perfect induction, imperfect induction, scientific induction etc. are taught in this paper. Different types of postulates and hypothesis along with Mill's experimental methods are also taught.

SKILL ENHANCEMENT COMPULSORY COURSE (4)

SEC 1: ETHICAL DECISION MAKING (SEM III)

Ethical decision making is a cognitive process that considers various ethical principles, rules and virtues to judge intended actions of individuals or groups in relation to others in a society. This course teaches the students to evaluate and choose among alternatives in a manner consistent with ethical principles. In making ethical decision it is necessary to perceive and eliminate unethical options and select the best ethical one. That is why students are taught different ethical concepts and approaches like values, dilemmas and choices, responsibility, justice and fairness, respect for self and others along with various ethical codes. To increase students' skill to make ethical decisions case studies have also been incorporated in the syllabus.

SEC 2: YOGA PHILOSOPHY (SEM IV)

Yoga is one of the six major orthodox schools of Indian Philosophy. As a philosophical school it teaches betterment of oneself physically, mentally and spiritually. This course starts with the definition and essence of yoga and then proceeds to discuss the three paths of yoga mentioned in *Bhagvatgita* – Karma yoga, jnana yoga and bhakti yoga. The paper also incorporates the concept of yoga in Jainism and Buddhism along with Patanjali's astangik Yoga marga.

SEC 3: ART AND FILM APPRECIATION (SEM V)

With the development of motion picture, "art" encompasses a wide range of scope including performative art and non performative art – songs, dances, poetry, lyrics, paintings, literary criticism, etc. And the work of art gives a sheer joy and happiness. An aesthetic joy is boundless. The analysis of film enables viewers to truly appreciate the work as a form of art. The skills are important to appreciate film as a creative work of art. The goal is to identify and discuss the techniques, meanings, messages, and at large it should enable the student to understand the communicative process of the work of art and film.

SEC 4: CRITICAL THINKING AND DECISION MAKING (SEM VI)

This course on Critical Thinking and Decision Making is aimed at to inculcate in students to develop the habit of clear and critical thinking within the framework of both adequate philosophical methodology and accepted norms of scholarship. The aim is to develop the skill to identify and critically evaluate arguments made by others and to construct one's own arguments and defend them from criticism, both orally and in writing. The learning outcomes by the end of this course is expected that students should be able to use the methods of informal logic to identify different types of claims, issues, and arguments and evaluate claims, issues and arguments, and identify mistakes in reasoning. At the under graduate level this course also helps the students to formulate for herself or himself a philosophy of life or world-view consistent with the objectives of liberal society.

19. B.A. (Prog.) with Physical Education

SEMESTER-I : Introduction to Physical Education in the Contemporary Context (DSC-I & GE-I)

This paper introduces the basic concepts, need, objectives and historical perspectives of physical education; explains the inter-disciplinary nature of physical education; and describes about the policies and schemes for promotion of physical education and sports, Olympic movement, eminent sports persons etc. Its practical components help students learn and demonstrate the technique of Suryanamaskar; develop physical fitness through Calisthenics/ Aerobics/ Circuit-Training/ Weight-Training and demonstrate the chosen activity and learn the basic skills and technique of a particular game.

SEMESTER-II : Fitness, Wellness & Nutrition (DSC-II & GE-II)

This paper attempts to explain the concept and benefits of physical activities, types of physical activities; concept, components and development of physical fitness; concept, components and significance of wellness, wellness programmes; concept of nutrition, nutrients, balanced diet, dietary aids, gimmicks, calorie intake and expenditure, energy balance equations; obesity assessment and management, obesity related health problems, and weight management through behavioral modifications. Its practical components include measurement of fitness components, measurement of height and weight, calculation of body mass index and waist-hip ratio, and participation in a wellness programme.

SEMESTER-III : Health Education, Anatomy and Physiology (DSC-III & GE-III)

This paper describes the concept and components of health, meaning and principles of health education, health promoting behaviours, personal, mental, sleep and occupational hygiene, role of

different agencies in promoting health; concept and importance of anatomy and physiology, introduction to cell, tissue, organ and different systems of human body; effect of exercise on various systems, concept of warming-up, cooling down, fatigue, oxygen debt, second wind, maximum heart rate, vital capacity, stroke volume, temperature regulation, etc. Its practical aspects emphasizes upon the learning of asanas with their therapeutic values, drawing and labelling of various systems, and demonstration of warming-up/ cooling-down/ conditioning exercises.

SEMESTER-IV : Posture, Athletic Care and First Aid (DSC-IV & GE-IV)

This paper explains the concept and significance to good posture, various postural deformities; concept and significance of sports medicine and athletic care, prevention of injuries, common sports injuries, management of injuries; first-aid, principle of P.R.I.C.E., rehabilitation, various therapeutic modalities and muscle strengthening exercises. Its practical components include demonstration of stretching and strengthening exercise for kyphosis, lordosis, knock-knees, bow legs, flat foot, back pain, neck pain, demonstration of active and passive exercises, asanas demonstration and their therapeutic value, and practice of P.R.I.C.E. in first-aid.

20. B.A. (Hons.) in Political Science

CORE COURSE

1.1 PAPER-1 : Understanding Political Theory

Introducing the students to the idea of political theory, its history and approaches, and an assessment of its, critical and contemporary trends paper is also designed to reconcile political theory and practice through reflections on the ideas and practices related to the Democracy.

1.2 PAPER-2 : Constitutional Government and Democracy in India

This course acquaints students with the constitutional design of state structures and institutions, and their actual working overtime. The Indian Constitution accommodate, conflicting impulses (of liberty and justice, territorial decentralization and a strong union for instance) within itself. The course traces, the embodiment of some of these conflicts in constitution provision, and shows how these have played out in political practices. It further encourages a study of state institutions in their mutual interaction, and in interaction with the larger extra constitutional environment.

2.1 PAPER-3 : POLITICAL THEORY-Concepts and Debates

This course help the student familiarize with the basic normative concepts of political theory. Each concept is related to a crucial political issue that requires analysis with the aid of our conceptual understanding.

2.2 PAPER-4 : POLITICAL PROCESS IN INDIA

This course maps the working of 'modern' institutions, premised on the existence of an individuated Society, in a context marked by communitarian solidarities, and their mutual transformation thereby.

3.1 PAPER-5 : INTRODUCTION TO COMPARATIVE GOVERNMENT AND POLITICS

The purpose is to familiarize students with the basic concepts and approaches to the study of comparative politics. The course will focus on examining politics in a historical framework while engaging with the various themes of comparative analysis in development and developing countries.

3.2 PAPER-6 : PERSPECTIVE ON PUBLIC ADMINISTRATION

This paper encompasses Public Administration in its historical context with on the various classical and contemporary administration theories, including feminism and ecological conservatives and how the calls for greater democratization is restruction public administration.

3.3 PAPER-7 : PERSPECTIVES ON INTERNATIONAL RELATIONS AND WORLD HISTORY

A key objective of the course is to make students aware of the implicit Euro-centricism of the international relations by highlighting certain specific perspectives from the Global South.

4.1 PAPER-8 : POLITICAL PROCESSES AND INSTITUTIONS IN COMPARATIVE PERSPECTIVE

The course aims to introduce undergraduate students to some of the range of issues, literature, and methods that cover comparative political.

4.2 PAPER-9 : PUBLIC POLICY AND ADMINISTRATION IN INDIA

The essence of public policy lies in its effectiveness in translating the governing philosophy into programs and policies and making it a part of the community living. It deals with issues of decentralization, financial, management, citizens and administration and social welfare from a non-western perspective.

4.3 PAPER-10 : GLOBAL POLITICS

The course offers insights into key contemporary global issues such as the proliferation of nuclear weapons, ecological issues, international terrorism, and human security before concluding with a debate on the phenomenon of global governance.

5.1 PAPER-11 : CLASSICAL POLITICAL PHILOSOPHY

This course goes back to Greek antiquity and familiarizes students with the manner in which the political questions were first posed.

5.2 PAPER-12 : INDIAN POLITICAL THOUGHT -1

The course as a whole is meant to provide a sense of the broad streams of Indian thought while encouraging a specific knowledge of individual thinkers and texts.

6.1 PAPER-13 : MODERN POLITICAL PHILOSOPHY

In this course students will be exposed to the manner in which the questions of politics have been posed in terms that have implications for large questions of thought and existence.

6.2 PAPER-14 : INDIAN POLITICAL THOUGHT – 2

The objective is to study general themes that have been produced by thinkers from varied social and temporal contexts.

DISCIPLINE PAPERS

1. DEVELOPMENT PROCESS AND SOCIAL MOVEMENTS IN CONTEMPORARY INDIA

This course proposes to introduce students to the conditions, contexts and forms of political contestation over development paradigms and their bearing on the retrieval of democratic voice of citizens.

2. COLONIALISM AND NATIONALISM IN INDIA

The purpose of this course is to help students understand historically the advent of colonialism in India and the emergence of the discourse on nationalism as a response to it.

3. INDIA'S FOREIGN POLICY IN A GLOBALIZING WORLD

This course's objective is to teach students the domestic sources and the structural constraints on the genesis, evolution and practice of India's foreign policy.

4. FEMINISM : THEORY AND PRACTICE

The aim of the course is to explain contemporary debates on feminism and the history of feminist struggles, also focuses a gendered analysis of Indian society, economy and polity with a view to understanding the structures of gender inequalities, and aims to understand the issues with which contemporary Indian women's movements are engaged with.

21. B.A. (Prog.) with Political Science

22. B.A. (Prog.) with Punjabi

Punjabi Discipline course- for BA Programme

Course Objective: This course is offered only to those students who take discipline Punjabi as one of their core subjects in BA Programme. The students study a total of 6 papers- 4 core and 2 discipline specific elective- in 6 semesters. The course is meant to acquaint the students with Punjabi Literature and World Literature. Various papers offered in this course include collections of short stories, poetry, novels, plays, Gurmat & Sufi Poetry, Life sketch, Comparative study of Indian & Pakistani, Punjabi Feminist Literature. It aims to enhance the literary component and an understanding of various genres and literary ages, ability to critically analyse texts and engage in academic discussion, research work, PhD and Translation.

Skill Enhancement Course- For BA Programme

Course Objective: The skill Enhancement courses (or Ability enhancement Elective Course) are designed to provide value- based and skill-based knowledge and aimed at providing hands-on training, skills etcetra. The papers offered by the Department- such as Learning Skill of film making, Lexicography, Creative Writing and Drama & Theatre. The objective is to make the students enlarge their skill set for greater employability. The pedagogy used in the teaching of these courses also goes beyond the traditional text- based approach to a more interactive, workshop- based model. It is more task-based than text-based wherein the students' proficiency is monitored at regular intervals.

General Elective (GE)- for B.A./B.Com. Programme

Course Objective- This is an elective course chosen from an unrelated discipline/subject, with an intention to seek exposure. The Department offers a variety of papers in the present Generic Elective course to students from programme courses who have discipline/subject other than Punjabi. Students are encouraged to opt for four interdisciplinary papers(for honours students) and two for BA/Bcom Programme in their General Elective course to expose them to other disciplines and encourage critical innovation through the conflation of various strata of knowledge of diverse subjects.

Papers like Punjabi Drama and Functional Punjabi, Modern Punjabi story and functional Punjabi, Punjabi essay and Functional Punjabi.

Students also have an opportunity of pursuing a more focused study of the literature of the Indian Subcontinent in Literature of the Indian Diaspora, Partition Literature.

A paper like Academic Writing and Composition is especially useful in honing research oriented written articulation of students.

Ability Enhancement Compulsory Course- MIL Punjabi

Course Objective- The Course is a three-tiered structure, addressing different levels of language learning acquired in school. There are three streams- A, B and C- offered to students of honours and program courses who have studied Punjabi upto class XII, X and VIII respectively. The purpose of this course is to introduce students to the theory, fundamentals and tools of communication and to develop in them vital communication skills which should be integral to personal, social and professional interactions. Communication is basic to human existence and binds society together. In the context of rapid globalization and increasing recognition of social and cultural pluralities, the significance of clear and effective communication has substantially enhanced. The present course aims to address these aspects through an interactive mode of teaching- learning process and by

focusing on various dimensions of communication skills such as speaking skills in personal, professional and social context like interviews, dialogue/ conversation, group discussion; reading skills through reading comprehension as well as writing skills tested through report writing, note making etcetra.

Core Punjabi- for B.A./B.Com. Programme- taught in 2 semesters

Course Objective: The Core Language Course in Punjabi is a three-tiered structure, addressing different levels of language learning in School. There are three streams- A, B and C- offered to those who have studied Punjabi upto class XII, X and VIII respectively. We are running one course only. This Course aims to enhance the proficiency in the skills of Listening, speaking, Reading and Writing and tests these skills through a constant monitoring in class. The course has a variety of source readings rather than a prescribed textbook to allow for flexibility, useful in creating language learning tasks and activities for projected outcomes. The objective is to encourage recognition and awareness of different genres like the Punjabi novel and Drama, Medieval narrative poetry and autobiography. Topical and social themes form an integral part of this course and by the end of the two-semester course the learner should have sufficient vocabulary to read and understand biographical sketches, narratives, summaries and understand scripts, speak fluently and narrate at length with minimal errors in syntax.

The course uses activities centred on translation for students, and gives them a composite view of multiculturalism.

23. B.A. (Hons.) in Sanskrit

Core Papers

C1: Classical Sanskrit Literature (Poetry)

This course aims to get students acquainted with Classical Sanskrit Poetry. It intends to give an understanding of literature, through which students will be able to appreciate the development of Sanskrit Literature. The course also seeks to help students to negotiate texts independently.

C2: Critical Survey of Sanskrit Literature

This course aims to get students acquainted with the journey of Sanskrit literature from Vedic literature to Purana. It also intends to give an outline of different Shastric traditions, through which students will be able to know the different genres of Sanskrit Literature and Shastras.

C3: Classical Sanskrit Literature (Prose)

This course aims to acquaint students with Classical Sanskrit Prose literature. Origin and development of prose, important prose romances and fables Sanskrit are also included here for students to get acquainted with the beginnings of Sanskrit Prose Literature. The course also seeks to help students negotiate texts independently.

C4: Self-Management in the Gita

The objective of this course is to study the philosophy of self-management in the Gita. The course seeks to help students negotiate the text independently without referring to the traditional commentaries so as to enable them to experience the richness of the text.

C5: Classical Sanskrit Literature (Drama)

This course aims to acquaint students with three most famous dramas of Sanskrit Literature which represent three stages in the growth of Sanskrit drama.

C6: Poetics and Literary Criticism

The study of Sahityashastra (Sanskrit Poetics) embraces all poetic arts and includes concepts like alankara, rasa, riti, vakrokti, dhvani, aucitya etc. The entire domain of Sanskrit poetics has flourished

with the topics such as definition of poetry and divisions, functions of word and meaning, theory of rasa and alankara (figures of speech) and chandas (metre), etc. This develops capacity for creative writing and literary appreciation.

C7: Indian Social Institutions and Polity

Social institutions and Indian Polity have been highlighted in Dharma-shastra literature. The aim of this course is to make the students acquainted with various aspects of social institutions and Indian polity as propounded in the ancient Sanskrit texts such as Samhitas, Mahabharata, Purana, Kautilya's Arthashastra and other works known as Nitishastra.

C8: Indian Epigraphy, Palaeography and Chronology

This course aims to acquaint the students with the epigraphical journey in Sanskrit, the only source which directly reflects the society, politics, geography and economy of the time. The course also seeks to help students to know the different styles of Sanskrit writing.

C9: Modern Sanskrit Literature

The purpose of this course is to expose students to the rich & profound tradition of modern creative writing in Sanskrit, enriched by new genres of writing.

C10: Sanskrit and World Literature

This course is aimed to provide information to students about the spread & influence of Sanskrit literature and culture through the ages in various parts of the world in medieval & modern times.

C11: Vedic Literature

This course on Vedic literature aims to introduce types of Vedic texts. Students will also be able to read one Upanishad, namely Mundaka, where primary Vedanta-view is propounded.

C12: Sanskrit Grammar

This course aims to acquire the knowledge of Sanskrit Grammar.

C13: Ontology and Epistemology

This course aims to get the students acquainted with the cardinal principles of the Nyaya-Vaishesika philosophy through the Tarkasangraha and to enable students to handle philosophical texts in Sanskrit. It also intends to give them an understanding of essential aspects of Indian Philosophy.

C14: Sanskrit Composition and Communication

This paper aims at teaching composition and other related information based on Laghusiddhanta kaumudi Vibhaktiyartha Prakarana.

Discipline Specific Elective (DSE) Papers

DSE-4: Tools and Techniques for Computing Sanskrit Language

This course will introduce the current research and development in Sanskrit computing. Primary emphasis will be on tools and techniques developed under government and private funding and to explore new technologies for Sanskrit.

DSE-5: Sanskrit Linguistics

This course will introduce Sanskrit language from the linguistic point of view like Phonology, Morphology, Semantics, and Syntax etc. Sanskrit is also the main language required to understand PIE (Proto Indo European) linguistics.

DSE-6: Computational Linguistic for Sanskrit

This course will introduce the modern technology in the field and prepare the students for next level. After covering these topics in Computational Linguistics (CL), the students will learn the tools and techniques of CL.

DSE-7: Fundamentals of Ayurveda

Ayurveda is a traditional Indian system of healthcare that has been traced back as early as 5,000 BCE. Through the classroom lectures and discussions, this course will introduce students to the theory of Ayurveda. The theory modules sessions that make up this course offer an introduction to Ayurveda that is well rounded, comprehensive and useful for students in their own day-to-day living. The major objective is to understand the basic principles and concepts of preventative medicine and health maintenance, diet and nutrition, usage of commonly used spices and herbs and outline of Ayurvedic therapeutic procedures in Ayurveda.

Generic Elective Papers

GE-2: Indian Culture and Social Issues

This paper is designed to introduce nuances of Indian culture to students and to show how cultural traditions have evolved. The paper also engages them in debates about certain significant socio-cultural issues.

GE-6: Fundamentals of Indian Philosophy

This course aims to get the students acquainted with the basic approach to study Indian philosophy. It also intends to give an elementary understanding of Indian Philosophy and to enable students to handle philosophical texts in Sanskrit easily.

GE-7: Ancient Indian Polity

The aim of this course is to make the students acquainted with various aspects of Political institutions and Indian polity as propounded in the ancient Sanskrit texts from Vedic Samhitas to later texts in the dharma-shastra and arthshastra traditions.

GE11: Nationalism and Indian Literature

The aim of this course is to make the students acquainted with the broad streams of Indian Nationalistic trends as propounded in the ancient, classical and modern Sanskrit literature. The course tries to highlight the struggle of Indian people against colonialism in nineteenth century by focusing the nationalistic ideologies of prominent national leaders with special reference to Mahatma Gandhi on the basis of modern Sanskrit works. The course also focuses the nationalistic thought of modern Sanskrit, Hindi and Urdu poetry.

AEEC (Ability Enhancement Elective Course) Papers

Semester-II: Sanskrit as MIL: A1 (Advance)

Sanskrit Literature: This course aims are to get the students acquainted with the outline of Sanskrit literature.

Semester-III

AEEC-1: Acting and Script Writing

The acting is connected with the practical aspect of the play and depends on actor while script writing is closely related with society and this paper aims at teaching the theoretical aspect of this art. The training of composition and presentation of drama can further enhance one's natural talent. This paper deals with the rules of presentation of play (acting) and dramatic composition (script writing) and aims at sharpening the dramatic talent of the students.

Semester-IV

AEEC-3 Machine Translation: Tools and Techniques

This course will introduce the theory and practice of computer based translations and exposes the students to the internal processes and inters module interactions in a typical Machine Translation (MT) system.

24. B.A. (Prog.) with Sanskrit

CORE DISCIPLINE PAPERS

Semester-I : DSC-1 Sanskrit Poetry : This course aims to get the students acquainted with the Classical Sanskrit Poetry. It also intends to give an understanding of literature, through which students will be able to understand the basics of Sanskrit. The course also seeks to help the students negotiate the text independently with the help of Proficiency of Sanskrit.

Semester-II : DSC-2 Sanskrit Prose : This course aims to acquaint the students with the Classical Sanskrit Prose literature. One of the most famous prose texts of modern era, namely Śivarājavijayam is also included here for the students to get acquainted with the beginnings of modern Sanskrit literature. The course also seeks to help students negotiate the text independently with the help of Proficiency of Sanskrit.

Semester: III : DSC-3 Sanskrit Drama : This course aims to acquaint the students with two most famous dramas of Sanskrit literature, which not only reflect poetic excellence but also depict contemporary society and highlight human values.

Semester: IV : DSC-4 Sanskrit Grammar : This course aims to get students to learn the basics of Sanskrit grammar through Laghusiddhāntakaumudī based Sa j-ā, Sandhi and Vibhakti prakara a. Students will be able to learn the application of Pāṇini's sutras.

CORE MIL-B1 (Sem-II)

Upanisad and Gītā: Objective of this course is to get students to know about the principle thesis of the Upaniad and the Gītā.

CORE MIL-B2 (Sem-III)

Grammar and Composition: This course aims to get the students to know the basics of Sanskrit Grammar, including rules of Sandhi, Samāsa and Kt pratyaya based on Laghusiddhāntakaumudī, a primer of Pāṇinian grammar. Besides, the students will also learn the techniques of the Paragraph Writing and Translation.

DISCIPLINE SPECIFIC ELECTIVE PAPERS (DSE)

Semester-V

DSE-2: Indian Perspectives in personality Development: Indian philosophical tradition advocates an integrated approach to human personality where material and psychological growth complement each other. This course seeks to introduce some theoretical concepts and practical techniques for development of the human person.

Semester-VI

DSE-5: Mathematical Tradition in Sanskrit: The objective of this course is to introduce the Indian mathematical tradition to the students.

SKILL ENHANCEMENT PAPERS

Semester-III

AEEC-4 Computer Awareness for Sanskrit: This course has been designed for those students who need to have some basic grounding in computer applications. The course will begin with introducing computer fundamentals and then will go on to provide a hands-on experience of popular software applications and tools to students.

Semester-IV

AEEC-7 Indian Theatre: Objective of this course is to introduce Principles and practices of Indian Theatre to students.

Semester-V

AEEC-5 E-Learning Tools and Techniques for Sanskrit: This course has been designed for those students who need to have some basic grounding in e-learning/online learning. The course will begin with introducing basics of online learning and then will go on to provide a hands-on experience of popular software applications and tools to students

Semester-VI

AEEC-3 Basic Elements of Āyurveda: Āyurveda is a traditional Indian system of healthcare that has been traced back as early as 5,000 BCE. Through the classroom lectures and discussions, this course will introduce students to the theory of Āyurveda. The theory modules sessions that make up this course offer an introduction to Āyurveda that is well rounded, comprehensive and useful for students in their own day-to-day living. The major objective is to understand the basic principles and concepts of preventative medicine and health maintenance, diet and nutrition, usage of commonly used spices and herbs and outline of Āyurvedic therapeutic procedures in Āyurveda.

25. B.A. (Prog.) with Sociology

Core Discipline Courses

Semester-I Core-1 Paper Name: Introduction to Sociology

This course is a broad introduction to the discipline of Sociology. It familiarizes the students with the history and some of the fundamental concepts and concerns of the discipline.

Semester- II Core-2 Paper Name: Sociology of India

This paper aims to provide an outline of the institutions and processes of Indian society. The central objective is to encourage students to view the Indian reality through a sociological lens.

Semester -III Core-3 Paper Name: Sociological Theories

The course introduces the students to the classical sociological thinkers, whose work has shaped the discipline of sociology.

Semester –IV Core-4 Paper Name: Methods of Sociological Enquiry

The course is a general introduction to the methodologies of sociological research methods. It will provide the student with some elementary knowledge of the complexities and philosophical underpinnings of research.

Discipline Specific Elective Courses

Semester –V DSE-1 Paper Name: Religion and Society

This course acquaints students with a sociological understanding of religion. It examines some forms of religion in India and its role in modern society.

Semester –V DSE-2 Paper Name: Marriage, Family and Kinship

This course aims to highlight and critically examine contemporary concerns in the fields of marriage, family and kinship. It considers theoretical issues and ethnographies with particular emphasis on diversity of practices.

Semester –VI DSE-3 Paper Name: Social Stratification

The course introduces the student to various ideas of Social inequality and their sociological study. The different forms and institutional manifestations of social stratification are explored here both theoretically and through case studies.

Semester –VI DSE-4 Paper Name: Gender and Sexuality

This course aims to introduce students to a basic understanding of gender by interrogating the categories of gender, sex and sexuality. The complexity of gender relations in contemporary societies are further explored by looking in the areas of work and family.

Generic Elective Courses**Semester –V GE-1 Paper Name: Polity and Society in India**

This course seeks to introduce the students to the study of Indian politics from a sociological Perspective. In the process, it attempts to give the students theories, categories and conceptual tools to understand politics in relation to society in general.

Semester –VI GE-2 Paper Name: Economy and Society

The course introduces the students to the complex ways in which economic activity is embedded in social relations from a sociological view point.

Skill Enhancement Courses**Semester –III SEC-1 Paper Name: Techniques of Social Research**

This course aims to enhance the skills of students to understand and use techniques employed by social scientists to investigate social phenomena. With emphasis on formulating research design, methods of data collection, and data analysis, it will provide students with some elementary knowledge on how to conduct both, quantitative and qualitative research. The focus is on understanding through suggested exercises.

Semester –IV SEC-2 Paper Name: Gender Sensitization

This course will sensitize students to issues related to gender and equality among all sexes. It will provide them with the tools and skills to develop and integrate a gendered perspective in work and life. In particular, students will be acquainted with laws that have an immediate bearing on gender relations.

Semester –V SEC-3 Paper Name: Society through the Visual

This course intends to train students in the specialized technique of conducting visual research and analysis of visual data. It focuses on the broad fields of Photography, Film and Multimedia as significant tools, used in contemporary research practices.

Semester –VI SEC-4 Paper Name: Theory and Practice of Development

This course aims to familiarise students with the arguments of development theory in the decades of 80s onwards and equip them with some of the methodology in development practices adopted since then.

26. Environmental Studies (EVS) - AECC

Ability Enhancement Compulsory Course: Environmental Studies for B. Sc (Hons), B. Com (Hons.), BA (Hons.) and B. Com & BA (Programme)- taught one paper in one semester

This paper aims to build conceptual understanding of students by exposing them to the basic principles behind various environmental processes. Environmental studies are the study of human interaction with the environment and in the interests of solving complex problems. The environment includes which we are directly or indirectly dependent for our survival, whether it is living component like animals, plants or non-living component like soil, air and water.

Course Objective: This course is offered for all students as a compulsory course as one of their core subjects in B.Sc (Hons.) including B.Com. (Hons.), B.A. (Hons.), B.Com. & B.A. (Programme). The objective of this course is to make the students' environment conscious. They will be exposed through the fundamental concepts of the environment so that they can appreciate the importance of individual and collective efforts to preserve and protect our environment. This course must raise various questions in the student's mind that how our environment is interdependent on various factors and how human being must care for their natural surroundings.

Major Learning Outcomes: The Environmental Studies major prepares students for careers as leaders in understanding and addressing complex environmental issues from a problem-oriented, interdisciplinary perspective. Students:

- Demonstrate a general understanding of the breadth and interdisciplinary nature of environmental issues
- Sustainability: demonstrate an integrative approach to environmental issues with a focus on sustainability.
- Master core concepts and methods of ecological and physical sciences and their application in environmental problem solving
- Appreciate the ethical, cross-cultural, and historical context of environmental issues and the links between human and natural systems.

Understand the transnational character of environmental problems and ways of addressing them, including interactions across local to global scales.