

MDSD GIRLS COLLEGE, AMBALA CITY

NAAC Accredited Grade 'A+' with CGPA 3.41

PROGRAM OUTCOMES (PO), PROGRAM SPECIFIC OUTCOMES (PSO), COURSE OUTCOMES (CO)

DEPARTMENT OF COMMERCE

Programme: Bachelors of Commerce

Programme: Bachelors of Commerce (General) and Vocational

Upon completion of these courses the student would be able to do accomplish the following

1. Communication skills and computer awareness among students.
2. Using statistical tools for research.
3. Students will come to know about the provisions of Company Law and Business Law.
4. Computer knowledge in managing accounts of a business.
5. Students will learn relevant financial accounting skills for career in business
6. They will come to know about all accounting activities and handling business well.

S No.	Programme Outcome Upon completion of the B.Com. Degree Programme, the graduate will be able to
1. 1	Knowledge of the fundamentals of commerce and, management, finance, economics, law and accounting.
2. 3	Understand application of knowledge of concepts of advertising, finance, entrepreneurship in business.
3. 4	Think about commercial and professional way or point of view.
4. 5	To have knowledge of law relating to banking and insurance sector.
5. 6	Learning techniques for managing office work efficiently.

BCOM I SEMESTER

Course Title	BC-101 Financial Accounting-I
S.No	Course Outcome
1.	Recognize the basic accounting concept and conventions
2.	Cultivate accounting skills to manage the profits and losses of any trading organization
3.	Apply the rules of double entry book keeping for the preparation of final accounts
4.	Understanding various provisions related to depreciation

Course title	BC-102 Micro Economics
S.N o	Course Outcome
1.	To understand the concepts of cost, nature of production and its relationship to Business operations
2.	To analyse the causes and consequences of different market conditions.
3.	To understand the concepts related to elasticity of demand
4.	To understand the theories of demand and their applications in real life world.

Coursetitle	BC-103 Principles of BusinessManagement
S.No	Course Outcome
1.	Apply managerial roles and managerial skills
2.	Evaluate different approaches for organizational control
3.	Recognize the theory of management and manager's role in organization

Course title	BC-104 Computer Applications in Business
S.No	Course Outcome
1.	To understand the basic concepts of computers
2.	To familiarize candidates with use of word processors, spreadsheets and presentation software
3.	To introduce students with the working of network
4.	To equip students with basic applications of computers and technology in managing a business.

Course title	BC-105 Business Mathematics
S.No	Course Outcome
1.	To equip students with concepts of differentiation and integration
2.	To understand about solution of a system of linear equations
3.	Students will be able to understand about different types of matrices and determinants
4.	To familiarize with calculus

Course title	BC-106 Business Communication
S.No	Course Outcome
1.	To develop communication skills of students
2.	To equip students with formal communication techniques for use in corporate world.
3.	Skills of writing business letters, e-mails, notices, circulars, memos and reports
4.	To help students in self-development for better performance in business.

BCOM II SEMESTER

Course title	BC-201 Financial Accounting II
S.No	Course Outcome
1.	Illustrate the accounting procedures of death and insolvency of a partner.
2.	Cultivate accounting skills under hire purchase.
3.	Relate the accounting procedures relating to admission and death of partners.
4.	Cultivate accounting skills under branch accounting system.

Course title	BC-202 Macro Economics
S.N o	Course Outcome
1.	To familiarize students with basic concepts of macro Economics
2.	To equip students about Classical & Keynesian theory of income
3.	To understand about different business cycles
4.	To make students aware about the concept of inflation and ways to measure and control inflation

Course title	BC-203 Fundamentals of Marketing
S.No	Course Outcome
1.	To help students in developing basic marketing skills
2.	Equipping students with the market segmentation Strategies
3.	To help students understand the pricing and promotion aspect of marketing
4.	To make students understand the product concept of Marketing

Course title	BC-204 E-Commerce
S.No	Course Outcome
1.	Understanding various applications of E-Commerce
2.	Cultivating the habit of using online mode of payments
3.	To understand about the concepts of M-Commerce and E-Governance
4.	To understand about the security issues related to E-Commerce
Course title	BC-205 Business Mathematics-II
S.No	Course Outcome
1.	To understand the binomial theorem
2.	To equip students with the formulae related to permutations and combinations
3.	To make students understand about Linear Programming
4.	To equip students with methods of data representation and interpretation

Course title	BC-206 Business Environment of Haryana
S.N o	Course Outcome
1.	Understanding nature of economy of Haryana
2.	Understanding the agricultural and cultivational patterns of crops in Haryana
3.	To equip students about agricultural credit
4.	To understand about Micro, small & medium enterprises (MSME) in Haryana

Course title	BC-207 Environmental Studies
S.No	Course Outcome
1.	Understanding the multidisciplinary nature of environmental studies
2.	To make students understand about renewable and non-renewable resources
3.	Cultivate habit of recycling for safeguarding the environment.

4.	To make students aware about social issues and environment
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BCOM III SEMESTER

Course title	BC-301 Corporate Accounting-I
S.No	Course Outcome
1.	Understand the concept of amalgamation and applies the accounting standards with respect to Amalgamations and mergers
2.	Recording journal entries for accounting for share capital
3.	Equipping students about methods of preparation of final accounts of companies
4.	Understanding internal reconstruction of Companies.

Course title	BC-302 Business Statistics-I
S.No	Course Outcome
1.	To understand the meaning, features, scope, functions of statistics. (arithmetic mean, median, mode, geometric mean, harmonic mean),measure of dispersion
2.	To understand basic statistical concepts such as, collection of data, measures of central tendency(range,inter-quartile range, quartile deviation,mean deviation standard deviation,coefficient of variation,Lorenz curve).
3	To solve problems based on price, quantity, value, cost-of-living index numbers and some specific problems regarding construction of index numbers.
4.	To solve problems on Time Series Analysis (measurement of linear trend, fitting of seconddegree parabolic and exponential trend, measurement of seasonal variations).

Course title	BC-303 Business Laws-I
S.No	Course Outcome
1.	Understand the rules regarding offer, acceptance, consideration and capacity to contract
2.	Explaining the rules pertaining to Sale of Goods Act, 1930
3.	To make students aware about the rights under Consumer Protection Act, 1986

Course title	BC-304 Company Law-I
S.No	Course Outcome
1.	Understanding the meaning, characteristics and types of Companies

2.	Understanding about Memorandum of Association and Articles of Association
3.	To familiarize students with the basics of prospectus issued by Companies
4.	To introduce the process of transfer and transmission of shares and debentures

Course title	BC-305 Indian Financial System
S.No	Course Outcome
1.	Making students understand the basic financial structure of India
2.	Understanding the role of financial institutions in India
3.	Introducing the concepts of Payment Banks and Development Banks
4.	Cultivating the skills of managing finance

Course title	BC- 306 Rural Marketing
S.No	Course Outcome
1.	Understanding the opportunities and challenges of Rural marketing in India
2.	Understanding the four P's (product, place, pricing, promotion) in relation to rural areas.
3.	Equipping students with the process of developing strategies for rural marketing.
4.	Familiarizing students with basic initiatives of marketing in rural areas.

BCOM IV SEMESTER

Course title	BC- 401 Corporate Accounting-II
S.No	Course Outcome
1.	The main objective of this subject to provide the knowledge of companies, Shares and regulatory of companies.
2.	This subject describes the pattern of final accounts of the company.
3.	It provides the knowledge of issue of shares a
4.	It also provides the methods of valuation of goodwill and shares

Course title	BC- 402 Business Statistics-II
S.No	Course Outcome
1.	To Estimate the mean and standard deviation of the marginal distribution of the response variable and use this information toinform a business decision
2.	To make them aware about confidence interval for the slope of the regression line
3.	To develop the student's ability to deal with numerical and quantitative issues in business
4.	Understand how to organize and summarize data by usingdescriptive statistics and appropriate statistical graphics

Course title	BC- 403 Business Laws-II
S.No	Course Outcome
1.	Students can Identify the legal constraints faced by the business professional as well as the legal options available to the business professional in responding toandresolving legal issues.
2.	Apply the global business laws to current business Environment
3.	Integrate concept of business law with foreign trade
4.	Understand about the partnership act rules and Regulations

Course title	BC- 404 Company Laws-II
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S.No	Course Outcome
1.	To understand about the types of meetings conducted in the company
2.	To know about the number of members in company and transferability of shares and debentures
3.	To make them aware about the amalgamation and reconstruction of company
4.	To make them aware about the company management and reconstruction policies.

Course title	BC- 405 Computerized Accounting System
S.No	Course Outcome
1.	To define a computerised accounting system
2.	To distinguish between a manual and computerised accounting system
3.	To highlight the advantages and limitations of computerised accounting system
4.	To state the sourcing of a computerised accounting system

Course title	BC- 406 Advertising
S.No	Course Outcome
1.	To understand about the difference between advertising and publicity.
2.	To understand about communication and advertising mix.
3.	To know about the impact of advertising
4.	To make them aware about creative aspects of advertising.

BCOM V SEMESTER

Course title	BC- 501 Cost Accounting
S.No	Course Outcome
1.	Students will learn the concepts related to cost, its classification, methods and techniques.
2.	Students will be familiarized with the labour cost, methods of wage payment and incentive schemes.
3.	Gain the knowledge about overheads.
4.	Students will learn how to control cost and how to do cost reduction.

Course title	BC- 502 Financial Management
CO No.	Course Outcome
1.	To study nature ad scope of Financial Management
2.	To study about investment Decision such as Capital Budgeting
3.	To Understand Financial decisions ad Divided Decisions
4.	To understand working capital management

Course title	BC- 503 Goods and Service Tax
S.No	Course Outcome
1.	To understand about the concept of GST
2.	To understand about registration, levy and collection of GST rules
3.	To understand about the time and place of supply of GST
4.	To understand about computation of input tax credit
5.	To understand about the offences and penalties in GST

Course title	BC- 504 Income Tax-I
S.No	Course Outcome
1.	Students will learn the concept of Income, Agricultural Income, and Casual Income.
2.	Students will be familiarized with the concepts of total income, gross total income, tax planning and tax evasion.
3.	They will be able to compute tax on the salary.
4.	Concept related to clubbing and aggregation of Income.

Course title	BC- 505 Auditing
S.No	Course Outcome
1.	Introducing basic concepts of auditing, the need and

	importance of auditing.
2.	To understand the conceptual framework that is applied by audit professionals to assess, evaluate, and manage audit risks and evidence
3.	Understanding the auditing procedures.
4.	Equipping the students with the process of preparing the audit reports.
5.	Familiarizing students with the role of a professional Auditor

Course title	BC- 506 Supply Chain Management
S. No.	Course Outcome
1.	Acquire in them the skills of supply chain management
2.	How to provide service to customers in a business
3.	Role of technology in logistics
4.	SCM Performance Measurement and control

B Com VI Semester

Course title	BC- 601 Management Accounting
S.No	Course Outcome
1.	To equip the students with the ability to analysis interpret and use accounting information in managerial decisionmaking.
2.	Understanding of the application of accounting techniques for management
3.	Familiarizing students with the methods of accounting formarginal cost
4.	Understanding calculations and use of ratios in Companies

Course title	BC-602 Fundamentals of Insurance
S. No.	Course Outcome
1.	To learn about concept of Insurance – Life and Non-Life
2.	To study about General Insurance that works in organization
3.	To learn about Distribution Channel in Insurance
4.	To learn about Life Insurance and procedure of Claim Settlement

Course title	BC-603 Human Resource Management
S. No.	Course Outcome

1.	Students will learn human Behaviour of employees, Factors affecting human behaviour at Workplace,
2.	To Understand Group Dynamics At work Place, how the different group performance is managed at work place
3.	Recruitment, Selection , training techniques
4.	Motivational techniques applied on employees

Course title	BC- 604 Income Tax- II
S.No	Course Outcome
1.	Understanding Deductions under Section 80
2.	Computation of Total Income and Tax Liability
3.	Procedure for Assessment
4.	Understanding the Recovery of Tax and Refund of Tax

Course title	BC-605 Business Environment
S. No.	Course Outcome
1.	To learn about The Economic Reforms-Liberalization, Privatization ad Globalization
2	To understand about the concept of Foreign Capital and Foreign Investment in India
3	To get knowledge of Nature and operations of Multilateral Economic Institutions World Bank, WTO
4	Understand the Working of The Monetary policy of India and EXIM Policy of India

Course title	BC- 606 Retail Management
S. No.	Course Outcome
1	Knowledge of all functional areas of retailing
2	To give an account of essential principles of retailing
3	To give a perspective of the Indian retailing scenario
4	Articulate and implement industry standard approaches to the site selection, store planning and visual merchandising.

B COM Vocational

Course title	BC(Voc)-105 and 106 Computer Fundamentals and Business Data Processing
S. No.	Course Outcome

1	Understand about the fundamentals of computer, Windows
2	Understand about the impact of data processing on business organizations.
3	Analyse about Data processing systems in various business functions the use of computers in data processing and in carrying out business functions
4	The course provides exposure to students in the latest trends in relevant branches of knowledge giving them the Needed competence and creativity to face global challenges.

Course title	BC(Voc)-406Advanced Computer Applications
S No.	Course Outcome
1	The students will get knowledge about the Networking: Fundamentals, LAN/MAN/WAN, Topologies, Transmission Media, ISDN, B-ISDN, Protocols- TCP/IP, OSI, ATM, Internet Services.
2	To Enable students to learn about Information Technology Application in Business, E-Business, E-Commerce. Net banking; Online purchasing and selling; Electronic Payment Systems- an overview. E-Governance- Concept and examples..
3	Students will learn Internet. Browsers - Internet explorer, Mozilla Firefox, Opera, Google Chrome; Search Engines; Webpage.

Course title	BC(Voc)-506 System Analysis & Design
S.No.	Course Outcome
1	Students will learn the types of system, system development life cycle.

2	Will introduce Techno-economic feasibility; Role of system analyst the process of logical and physical design.
3	Will make students learn to form design: input, output, form. System testing, auditing,
4	Will provide knowledge about system maintenance, threats to security, control measures.

Course Title	Web Technology
Code	B VOC-505
S. No.	Course Outcomes
6.	Understand the principles of creating an effective web page, including an in-depth consideration of information architecture.
7.	Learn the language of the web: HTML and CSS.
8.	Learn techniques of responsive web design, including media queries.
9.	Develop basic programming skills using Javascript and jQuery.
10.	Be able to embed social media content into web pages.
11.	Develop skills in analyzing the usability of a web site.

Programme Outcomes of B.A (General)

Students seeking admission for B.A. programme are expected to imbibe the following qualities which help them in their future life to achieve the expected goals:

- Able and dutiful citizen.
- Critical temper.
- Creative ability.
- Job opportunities in the field of non govt. organization.
- Realization of human values.
- Sense of social service.
- Response
- Employment opportunities in skill development programmes.
- Can pursue masters in their area of interest.

Programme Outcomes of B.Com (General)

- The students understand different concepts of Financial accounting.
- Students come to know different approaches and concept of management.
- Students understand various methods of Bus. Mathematics that helps them to analyze Better.
- Students understand the various application of computer and IT in the field of Business and meaning of Computer Software and Application Software.
- Students understand the vast field of financial accountings, its applications, methods and various tools.
- They understand behavioural aspects of Organization.
- Students learnt about the advance use of mathematic application in Business.
- Students came to know The Law of Contract, Sale of Good Act 1930, Consumer Protection Act 1986.
- They come to know about the different aspects of Accounting & reporting Standards.
- They understand the meaning, characteristics, pros and other important concepts like valuation of Goodwill, liquidation of a Company.

Programme Outcomes of Mathematics

- Enables them to apply critical thinking to solve problems.
- To make them familiar with a number of examples where Mathematics is used to explain abstract and physical phenomena.
- To critically interpret numerical and graphical data to draw conclusions.
- Enable to recognize connection between theory and applications.
- Enable to read mathematical literature independently including scholarly books and research papers.
- Enable to get employment utilizing their mathematical knowledge in both government and private sectors.
- Acquire enough knowledge of the subject required to clear competitive exams like NET, GATE, NBHM .
- Can pursue Ph.D. programme in Mathematics in any prestigious universities and research institutes.
- Enable them to acquire critical , analytical and logical thinking which helps a lot to clear written exams to get jobs in companies, central government departments, state government departments, banks , railways , defence etc.
- It also empowers them to get job as a teacher in government and private schools and colleges.

Outcomes of Courses at Graduation level

Course Outcomes of English Course in B.A

Semester-I

Paper : English (Semester I)

An undergraduate course offered by the Department of English. On successful completion of this course, the students will be able to

- Acquire a basic understanding of English grammar (parts of speech, narration, voices, subject-verb agreement, tense, word choice, punctuation, etc.)
- learn the correct pronunciation, accent and intonation of English words by studying phonetic transcription
- Write short paragraphs and comprehend unseen passages
- Develop their imaginative faculty, critical power and analytical skills through the study of essays and short-stories.

Semester-II

Paper : English (Semester II)

An undergraduate course offered by the Department of English. On successful completion of this course, the students will be able to

- acquire a basic understanding of English grammar (parts of speech, narration, voices, subject-verb agreement, tense, word choice, punctuation, etc.)
- learn the correct pronunciation, accent and intonation of English words by studying phonetic transcription
- write short paragraphs and comprehend unseen passages

- develop their imaginative faculty, critical power and analytical skills through the study of essays and short-stories.

Semester-III

Paper : English (Semester III)

- The Purpose of the Course is to provide knowledge of English Language and to enlighten the students and to fill their minds to make them better Human Beings.
- The main focus is on Communication Skills and various teaching methods.
- To Guide them to speak fluently and to cater to the need of the course and language.
- To make the students competent and develop positive attitude towards English Language .
- To motivate the students to display their skills related to the subject.
- The Course makes them well-verses Learners of English language.
- Through the Course, Students are encouraged for Extensive and Intensive study of English language.

Semester-IV

Paper : English (Semester IV)

The Purpose of the Course is to provide knowledge of English Language and to enlighten the students and to fill their minds to make them better Human Beings.

- The main focus is on Communication Skills and various teaching methods.
- To Guide them to speak fluently and to cater to the need of the course and language.
- To make the students competent and develop positive attitude towards English Language .
- To motivate the students to display their skills related to the subject.
- The Course makes them well-verses Learners of English language.
- Through the Course, Students are encouraged for Extensive and Intensive study of English language.

Semester-V

Paper : English (Semester V)

After completion of the course, students will be able to:

- Develop the ability to comprehend and make use of grammatical skills at a wider level.
- Understand how to interpret and critically examine a literary text especially from the genre of drama.
- Analyze the contemporaneity of William Shakespeare's plays and apply them to understand practical contexts.
- Write memos, RTIs, formal letters in order to develop better communication skills.
- Enhance their vocabulary based on their practice of one-word substitution exercises.
- Demonstrate their communicative skills in interviews, group discussions, moot courts etc.

Semester-VI

Paper : English (Semester VI)

After completion of the course, students will be able to:

- Develop the ability to comprehend and make use of grammatical skills at a wider level.
- Understand how to interpret and critically examine a literary text especially from the genre of drama.
- Analyze the contemporaneity of William Shakespeare's plays and apply them to understand practical contexts.
- Write memos, RTIs, formal letters in order to develop better communication skills.
- Enhance their vocabulary based on their practice of one-word substitution exercises.

- Demonstrate their communicative skills in interviews, group discussions, moot courts etc.

Course Outcomes of [English Course in B.Sc](#)

Semester I and II

- To empower the students with holistic knowledge and improve communication skills.
- To cater to the need of the students hailing from the rural, marginalized, and weaker section of the society.
- To provide them the knowledge of English language to enlighten and to purify their minds.
- To make the students competent and develop positive attitude
- To include social awareness and leadership qualities

Course Outcomes of History Course in B.A

Semester-I

Paper : Ancient India (From earliest time to Gupata's Period)

- Students will be able to understand the, how Harappa Civilization was emerged, which were only urban Civilization in Indian Continental but also in the world.
- Students will be able to understand the Vedic Civilization trends which were apply in our society in till present scenario.
- Students would have to understand the process of First Urban revolution in India which changed the political social economic and cultural trends.
- Students would have to understand when economic change started in 600 B.C than First Urban revolution had started in India.
- Students would have to understand under the Mouraya's India become the first centralise state.
- Students would have to understand that how after 600 B.C religious revolution change the perception of the people towards the social system in India.
- Students would have to understand in Gupat's period not only political condition consolidated but also cultural growth occurred, which effected the life of Indian People.

Semester-II

PAPER : Ancient India (600 A.D-1206 A.D)

- Students will be able to understand that how the feudal system effected the economy of Indian States
- Students will be able to understand that Muslim invasions on India once again change the political, social economic and cultural trends in India.
- Students would have to understand after the establishment Delhi Sultanate a new political system was setup which was setup according to Islamic political system.

- Students would have to understand when new political order setup than also economic change started in India which was cause of second urban revolution in India.
- Students will able to understand under the Delhi Sultanate new technological change occurred in India which was used in Agricultural, Trade and commerce.
- Students would have to understand in medieval time new social classes emerged in India which was results of new State Formation.
- Students would have to understand that in medieval period composite culture started in India which was the results of the new Islamic State and growth of literature and Art.

Semester-III

PAPER : Political History of India (1526-1857)

- Students will be able to understand that after decline of Delhi Sultanate once again new state established in India under the Mughals which was based on Mughal and Indian political system.
- Students will be able to understand that Akbar Consolidated and Expanded the Mughal State based on their liberal and secular policies.
- Students would have to understand after the expansion the Mughal state Akbar revised their administration based on State but now state was autocratic by nature.
- Students would have to understand Mughal emperor Aurangzeb's policy was the decline of Mughal state.
- Students will be able to understand economic changes in Europe in 16th century globalized the world, one of the examples of this, rivalry between French and British for the mercantile supremacy in India and also to save their imperial interest.
- Students would have to understand British expansion their empire in India to achieve their economic interest.
- Students would have to understand that 1857 was First War of Independence. This is the example of against the tyrants rule.

Semester-IV

PAPER : Indian National Movement

- Students will be able to understand that after 1857 uprising process of making as nation was started in India because after 1857 Indian Nationalist to understand the nature of colonial state and aware of Indian people to British exploited policies.
- Students will be able to understand that Indian National Congress was a symbol of rise of Nationalism in India.
- Students would have to understand under the colonial rule time to time emerged deferent Ideological groups in India which participated and moved the Indian National Movement but these ideological groups last goal achieve India's Independence.
- Students would have to understand that how British use the Divide and Rule Policy in India for the safeguard their imperial interests in India.
- Students will able to understand rise of Communalism in India was a cause of Political interests of deferent communities in India and imperial state.
- Students would have to understand Gandhi struggle not only against the British State but also his struggle against Indian Social, Economic and political system.
- Students would have to understand Gandhi use Non-Violence theory against British State for the Freedom of India.

Semester-V

Paper : Rise of Modern World

- Students will be able to understand that process of making of Modern Europe started 15- 16 century, which was cause of transition from feudalism to capitalism in Europe and emergence of Renascence and Reformation.
- Students will be able to understand that Mercantile Revolution was early stage of capitalism in Europe.

- Students would have to understand Scientific Revolution given new light and approaches to understand things and solutions of problems related to life
- Students would have to understand Revolution of 1688 of England started the process of liberalism in England and Europe. Which was one of the cause of Democratic system in Europe
- Students will able to understand how Industrial Revolution started the second stage of capitalism in Europe and World.
- Students would have to understand Agriculture Revolution Started the commercialization of Agriculture in Europe and World.
- Students would have to understand after making of Modern Europe emerge of global economy in the World.

Semester-VI

Paper : Modern Europe (1789-1945)

- Students will be able to understand that after French revolution Europe move to democratization in state functioning.
- Students will be able to understand that after Napoleon wars European nations accept that wars are not the permanent solution of political problems of Europe.
- Students would have to understand that how after French revolution nationalism spread in European nations.
- Students will able to understand that after First World War European Nations setup League of Nations for the peace of world.
- Students would have to understand that World War-1 was highly stage of the capitalism.
- Fascism and Nazism in Europe was a Despotic rules in Europe, Which were direct challenge to Democratic system in Europe and World.

Course Outcomes of Political Science Course in B.A

Semester 1

Paper : Indian Constitution

- After reading the Indian constitution the students will be able to –
- -Understand the philosophy of Indian constitution
- understand the various Acts, Provisions and reforms of Indian constitution.
- know about the various salient features of making of Indian constitution.
- understand the various constitutional and institutional arrangements.
- understand and appreciate the fundamental rights, duties and directive principles of state policy.

Semester II

Paper : Indian Politics

After reading the Indian politics the students will be able to –

- Evaluate the evolution, functioning and consequences of political parties in India.
- Identify how electoral rules and procedures in India affect the elections outcomes.
- Understand federalism and its functioning with reference to centre state relations.
- Know about the emerging trends of Indian federalism.
- Identify the challenges before Indian political system.
- Understand the role of caste, religion, language, regionalism in India and politics of reservation.

Semester III and IV

Paper : Western Political Thinkers I (Semester III) and II (Semester IV)

- The course has seventeen thinkers in all covering topics of power, justice, rights, law and other issues pertaining to governance.
- While political science often assumes these concepts are static, political thought asks how they came about, and to what effect. Just as the question Socrates posed, "how should we be governed?" led to his execution; the question, "what makes a government legitimate?" can lead to political turmoil at critical times.
- Political thought asks what form government should take and why; the duties a citizen owes their government, if any; and when citizens should overthrow an "illegitimate" government, if ever.
- Student come to know about the answer that why Aristotle is known as the father of Political Science?
- In this course, student examine major texts in the history of Western political thought, where the authors often pose difficult questions about the political community, social order, and human nature.
- How do different views about human nature and history inform government design? We will explore how the thinkers, Plato, Machiavelli, and Rousseau, responded to the political problems of their times, and how they contributed to the broader conversation about human needs and goods, justice, democracy, and the ever-changing relationship between the citizen and the state.
- By the course the student will provide perspective for our current political situation by evaluating the strengths and weaknesses of various regimes and philosophical approaches.
- The student will also look at the assumptions and basic concepts that define the field of political science. Each of the four units that comprise this course is devoted to a broad theme central to understanding politics, rights, equality, and the evolution of State etc.

Semester - V and VI

Paper : Comparative Government and Politics V (Semester V) and VI (Semester VI)

- Students of political science B.A. 5th and 6th semester studied the course at UG level.
- The course consists of nature and working of Government and political process of UK and USA. It enhances the knowledge and approach beyond Indian Polity.
- It makes the student aware about the structure and working of Government and its organs.
- It also provides academic inputs about the political parties and pressure groups of both the countries. It is very much important for the students for comparative and analytical study of the major political system in the modern age.

Course Outcomes of Economics Course in B.A

Semester-I

Paper : Microeconomics – I

- Students will learn about definition, nature, , law of demand, elasticity of demand: concept, types, measurement, determinants and importance.
- Gain the understanding of the Concept of Utility, Cardinal Utility Analysis, Law of Equi-Marginal Utility, Law of Diminishing Marginal Utility, Derivation of Demand Curve, Ordinal Utility Analysis , Indifference Curves Analysis, Consumer Equilibrium, Price, Income and Substitution Effects, Consumer Surplus.

Semester-II

Paper : Microeconomics – II

- Students will be aware about Market Structures- Concepts , Perfect Competition: Characteristics and Assumptions, Price Determination Under Perfect Competition, Equilibrium of the firm in the short period and the long period.
- Students will be able to understand the Monopoly: Characteristics, Equilibrium of the Monopoly Firm in Short period and Long period, Concept of Supply Curve under Monopolym, Price Discrimination.

Semester-III

Paper : Macroeconomics – I

- Students will learn from about Nature and Scope of Macro Economics, Difference between Micro and Macro Economics, Importance of Macro Economics, Concepts, Measurement and limitations of National Income Statistics, Circular flow of Income in Two, Three and Four Sector Economy.
- Students will learn the Say's law of Market, Classical Theory of Income and Employment, Keynesian Theory of Income and Employment, Principle of Effective Demand, Comparison between Classical and Keynesian Theory.

Semester- IV

Paper : Macroeconomics – II

- Students will be able to learn about Keynesian Multiplier: Concepts, Relation between Multiplier, MPC and MPS, Comparative Static and Dynamic Process., Working of Multiplier in UDC'S, Acceleration Principle and Concept of Super Multiplier.
- Students will gain the understanding of The Demand for Money: Concepts, Functions and Significance, Quantity Theory of Money -Fisher's Approach and Cambridge Approach, Keynesian Liquidity Theory of Money, Supply of Money: Meaning and Determinants, High Powered Money and Money Multipliers

Semester- V

Paper : Indian Economy – I

- Students will be able to learn about Capitalist, Socialist & Mixed economy, Developed and Developing Economy –Concepts, Basic Characteristics of Indian Economy as a Developing Economy, Comparison of Indian Economy with Developed Economies, Major Issues of Development in India
- Students will know about Theory of Demographic Transition, Size and Growth of Population, Features of Indian Population, Causes of Growing Population.- High Birth Rate and Decreasing Death Rate, Problems of Over Population, Measures for Population Control, Population Policy 2005 onward

Semester- VI

Paper : Indian Economy – II

- Students will learn about the Role of Industrialization, Industrial Policy – 1991onwards, New Economic Reforms – Concepts i) Liberalization ii) Privatization, iii) Globalization, Small and Large Scale Industry – Growth and Problems, Growth of Knowledge Based Industry – IT, Software Consultancy
- Students will be able to understand Meaning and Classification of Labour, Characteristics of Industrial Labour, Industrial Disputes Causes, Measures for Settlement, Social Security Measures in India.

Course Outcomes of Health and Physical Education Course in B.A

Semester-I

Paper : Health and Physical Education(I)

- Basic knowledge of physical Education and its scope.
- Know about the Importance & Misconception of Physical Education.
- Knowledge about Health& Factor Influencing Health.
- Person Hygiene stands for and its Importance
- Know about the steps and real mean of YOGA
- Benefits & technique of Pranayama.
- Human Anatomy and Physiology& its importance.
- Interpretation of Cell, Tissue, Organ and System & Properties of Cell

Semester-II

Paper : Health and Physical Education(II)

- Understand about the Meaning, Aim, Importance and Scope of Health Education.
- Significance of First Aid& how we give First Aid for common injuries.
- Pre- independence & Post- independence historical development of Physical Education.
- Role of 10A, SAI, NSNIS, YMCA, National Sports Policy & Haryana Khel Policy.

- Understand about the Meaning, Components and Principles of physical Fitness
- Interpretation of Isometric, Isotonic and Isokinetic Exercise.
- Structure, Types and Function of Human Bone.
- Types and Function Of Joints in Human Body.

Semester-III

Paper : *Health and Physical Education(III)*

- Significance of Sports Injuries, its Types & Causes
- How to Prevention.
- How to deal with Abrasion, Contusion, Sprain, Strain, Fracture and Dislocation.
- Know about the Meaning & Modes of Transmission of Communicable and Non-Communicable Diseases.
- General knowledge about Disease: HIV, Hepatitis, Dengue, Typhoid, Malaria and Influenza.
- Interpretation of Balanced Diet & its Components.
- Interpretation about Harmful Effects of Junk Food & Factor Affecting Balanced diet.
- Structure of Heart & Function Of Heart.

Semester-IV

Paper : *Health and Physical Education(IV)*

- How to Warm up, its Meaning, Aim, Importance, Types & Physiological aspects of Warming Up.
- How to Cool Down, its Meaning, Aim, Importance, Types & Physiological aspects of Cooling Down / Limber Down.
- Interpretation of Sports Psychology& its Need & Importance.
- Laws & Curve of Learning.
- Know about the Ancient & Modern Olympic Games.
- Deep Knowledge about Asian Games & Common wealth Games.
- Structure & Physiology of Respiratory System.
- Effect of Exercise on Respiratory System.

Semester-V

Paper : Health and Physical Education (V)

- Significance of growth and Development and its Definition & Stages.
- Factors influencing Growth & Development& Principles.
- Interpretation of Sports Organization & Administration & its Importance & Principles.
- Tournaments and their types (League & Knock Out)
- Significance of Good Posture & Causes of Bad Posture.
- Symptoms & Causes of Posture Deformities: (Lordosis, Kyphosis, Scoliosis, Flat Foot, Blow Legs & Knock Knee).
- Anatomy, Types & Effects of Exercise on Muscular System.
- Composition & Functions of Human Blood.

Semester-VI

Paper : Health and Physical Education (VI)

- Interpretation of socialization & Effect of Social Behavior on Performance of sports person
- Significance of Sports Training, Factors affecting & Types of Sports Training.
- Significance of Doping: its Meaning, types and its effect on health.
- How to Biomechanics Effect in Sports& its Importance.
- Newton's Laws of Motion and Types of Levers in sports.
- Structure & Organs of **Digestive System**

- between minister and civil/servants among the students.

Course Outcomes of Mathematics Course inB.A

Semester-I

Paper : Algebra

- Define symmetric, skew symmetric, hermitian, skew hermitian, unitary and orthogonal matrices.
- Find column rank, row rank, rank and inverse of the matrix with and without using elementary row operations.
- Find eigen values and eigen vectors of the matrix.
- State Cayley Hamilton theorem and use it to find the inverse of a matrix.
- Check the consistency of a system of linear equations.
- Establish the relationship between roots and coefficient of the matrix.
- Solve the cubic and biquadratic equations.

Paper : Calculus

- Define limit , continuity and differentiability of functions.
- Understand Leibnitz theorem and its applications.
- Understand all the methods to find the asymptotes(horizontal,vertical,oblique) to a curve
- Define curvature ,radius ,centre, circle and chord of curvature and calculate all these for a given curve.
- Trace the curve where the curve may be in any of the forms(Cartesian , parametric and polar)
- State and prove reduction formulae
- understand the concept of rectification and quadrature and its examples.
- Expand Maclaurin and Taylor's series.

Paper : Solid Geometry

- Define conics and its fundamental properties and establish connection between them.
- Determine polar equation of a conic and find tangent and normal to it.
- Understand all distinguishing features of sphere , circle and cone.
- Define central conicoids and have understanding of all the features.
- Define Paraboloids and generating lines and solve the related examples.
- Reduce second degree equation to a simpler form which is relatively easy to analyze.

Semester-II

Paper : Number theory and trigonometry

- Understand the terminology behind divisibility and find g.c.d and l.c.m. of numbers.
- Define linear congruences and understand the proofs of Fermat's and Wilson's theorem.
- Define complete and reduced residue system and appreciate the concept to solve congruences.
- Understand the proofs of Euler's theorem and Chinese remainder theorem and related examples.
- State and prove De-moivre's theorem and its applications in trigonometry.
- Define inverse circular and hyperbolic functions and establish the connection between their properties.

Paper : Ordinary differential Equations

- have knowledge of geometrical meaning of differential equations.
- Identify Exact differential equations and know the method of their solution.
- Solve the differential equation by representing it in an appropriate form.
- Define orthogonal trajectories in both polar and Cartesian coordinates.
- Solve linear equation with constant coefficient .
- knowledge of all the methods to solve the differential equations with variable coefficients.

- Solve the simultaneous differential equations .

Paper : Vector calculus

- Define scalar and vector product , reciprocal vectors.
- Define scalar and vector valued functions.
- Define directional derivative and solve the related examples.
- Define gradient and understand its geometrical significance.
- Define curl and divergence of vector valued function and solve related examples.
- Understand orthogonal curvilinear coordinates,cylindrical and spherical coordinates.
- Define vector integration and evaluate line , surface and volume integrals.
- Understand Gauss , Green and Stokes theorems and solve the problems based on them.

Semester-III

Paper : Advanced Calculus

- Define continuity, Sequential continuity and uniform continuity and solve the related problems.
- Define differentiability and understand the proofs of all mean value theorems.
- Appreciate the geometrical importance of all the mean value theorems and its applications.
- Define Taylor's theorem with various forms of remainder and solve related problems.
- Define partial and total differentiation and understand the proofs of related theorems.
- Find maxima and minima of functions of two variables with some restrictions.
- Understand the geometrical terminology of the surfaces.

Paper : Partial differential Equations

- form partial differential equations and find its order and degree.
- find complete, singular and general solutions of differential equations of first order.

- solve linear and nonlinear homogenous and non homogenous equations with constant coefficients.
- reduce partial differential equations with variable coefficients to equations with constant coefficients.
- define hyperbolic , parabolic and elliptic type partial differential equations.
- reduce second order linear partial differential equations to canonical forms.
- solve characteristic equations and characteristic curves of second order partial differential equations.
- solve diffusion (Heat) equation in Cartesian coordinate system.

Paper : Statics

- Compose and resolve the forces.
- Understand the concept of moment and couple.
- State analytical conditions of equilibrium of coplanar forces.
- Understand the concept of friction and centre of gravity.
- Understand the concept of virtual work and solve related problems.
- Understand the concept of wrenches , null lines , planes , stable and unstable equilibrium.

Semester-IV

Paper : Sequence and series

- State terminology of real numbers and define related terms.
- Define interior points, isolated points, limit points, open sets, closed sets, interior and closure of a set .
- state and prove Bolzano weierstrass theorem and use it in proving other results.
- define compact sets and understand related results.
- define sequence , Cauchy sequence, subsequence and use Cauchy general principle of convergence.

- state and prove ratio test, Rabbe's test , logarithmic test , de Morgan and Bertrand's test, Cauchy root test, Gauss test , Cauchy's integral test , Cauchy's condensation test and their use in the test of convergence of series.
- Define alternating series and related test to the convergence.
- define multiplication of series and methods to check its convergence or divergence.

Paper : Special functions and integral transforms

- understand the power series method for the series solution of differential equations.
- define beta , gamma and Bessel functions and their properties.
- Establish recurrence relations and determine generating functions.
- solve Legendre and Hermite differential equations.
- apply Rodrigues formula for the solution of Legendre and Hermite polynomials.
- understand the concept of Laplace transform and fourier transform

Paper : Programming in C and Numerical methods

- Define data types, operators, Expressions, Input output functions
- use decision statements , logical and conditional statements, loops, Switch statements, case control structures, Arrays
- appreciate the use of pointers and arrays.
- find approximate solution of equations using bisection method, Regula falsi method, Secant method, Newton Raphson method.
- solve simultaneous linear equations using Gauss elimination method, Gauss Jordan method, Triangulization method,Crout's method.
- know the methods of Jacobi , Gauss Seidal.

Semester-V

Paper : Real Analysis

- Define Riemann Integral and will be able to understand related theorems
- Define improper integral and check them for convergence and divergence.
- Check the continuity, differentiability and integrability of integral of function of a parameter.
- Define metric spaces, neighbourhoods, limit points, interior points, open and closed sets, closure and interior, boundary points.
- Define subspace of metric space and understand the proofs of related theorems.
- Knows the concept of continuity, uniform continuity, compactness , connectedness.

Paper : Groups and Rings

- Define Groups, Subgroups , Cyclic groups, Normal subgroups, Quotient groups
- Define cosets and understand related examples and theorems.
- Define homomorphisms, isomorphisms, automorphisms.
- Define permutations and understand related theorems and examples.
- Define rings , subrings, Ideals, Integral domains, fields, Field of Quotients.
- Define Euclidean domains , principle ideal domains , unique factorization domains and establish relations between them.
- Define polynomial rings and check the irreducibility of polynomials.

Paper : Numerical Analysis

- Define finite difference operators and establish relationship between them.
- Know the techniques of interpolation with equal intervals and formulae of Newton's forward and Newton's backward interpolation.

- Know the techniques of interpolation with unequal intervals and formulae of Lagrange and Hermite.
- know Gauss's forward and Gauss's backward interpolation formula.
- Understand the concept of Numerical Integration and related theory.
- Understand the concept of Numerical Differentiation and related theory.

Semester-VI

Paper : Real and complex Analysis

- Define Jacobians, Beta and gamma functions, Double and triple integration.
- Define Fourier series and solve related examples.
- Define Analytic functions and check their differentiability.
- Understand the concept of Translation, Rotation and magnification.
- Define mobius transformations , cross ratio, inverse points and solve related examples.

Paper : Linear Algebra

- Define vector spaces, Subspaces, Sum and direct sum of subspaces.
- Understand the concept of linear Independence and basis and understand related theorems.
- Define Quotient space and find the dimension of different quotient spaces.
- Define linear transformation and solve related problems.
- Understand the concept of rank and nullity.
- give matrix representation of linear transformation and find eigen values and eigen vectors.
- Define Inner product space and understand related theorems and examples.

Paper : Dynamics

- Find velocity and acceleration along radial, transverse, normal and tangential directions.

- Find relative velocity and acceleration.
- Define Mass , Momentum, force and Newton's laws of motion.
- Understand the concept of work , power and energy.
- Understand the concept of projectile motion of a particle in a plane.

