Programme Outcomes of B.Sc.

- Acquire the knowledge with basic concepts and facts related to various subjects in pure sciences like Botany, Zoology, Physics, Chemistry, Mathematics, etc.

- Understand the fundamental principles and scientific theories related to various scientific phenomena in the day-to-day life.

- Acquire the skills in handling scientific instruments, planning and performing in laboratory experiments

- Equips them with the skills to think creatively (divergently and convergent) and drawing logical inferences from the scientific experiments to draw the objective conclusions or providing new solution to the problems.

- Realized how developments in any science subject helps in the development of other science subjects for the sustainable developments.

- To expose to the different processes used in industries and their applications.

- To get an awareness of the impact of science on environment and society.

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:

- Realization of human values.
- Sense of social service.
- Responsible and dutiful citizen.
- Critical temper.
- Creative ability.
- Job opportunities in the field of non govt. organization.
- 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 Specific Outcomes B.Com (Hons)

- The Programme offers a variety of options (specialization), interactive learning experiences and a strong commercial grounding in business.
- The programme equips students with a solid grounding in areas such as Accounting, B. Statistics, GST, Business Ethics & Corporate Governance, as well as leadership skills and a global mind set.
- Develop an understanding of commerce and apply the skills and knowledge in a business organization.
- Develop an understanding of various commerce functions such as finance, accounting, financial analysis and cost accounting.
- B.Com Degree opens up enumerable career options and opportunities to the aspiring managers both in India and Abroad.

Programme Specific Outcomes M.Com

- The Programme offers a variety of options (specialization), interactive learning experiences and a strong commercial grounding in business.
- The programme equips students with a solid grounding in areas such as Accounting, B. Statistics, Business Ethics & Corporate Governance, as well as leadership skills and a global mind set.
- Develop an understanding of commerce and apply the skills and knowledge in a business organization.
- Develop an understanding of various commerce functions such as finance, accounting, financial analysis and cost accounting.
- M.Com Degree opens up enumerable career options and opportunities to the aspiring researchers and finance professionals, both in India and Abroad.

Programme Specific Outcomes BBA

- The Programme offers a variety of options (specialization), interactive learning experiences and a strong commercial grounding in business which will help budding entrepreneurs to frame their future business .
- The programme equips students with a solid grounding in areas such as marketing, B. Statistics which will help in analytics, GST, Business Ethics & Corporate Governance, as well as leadership skills, sales and innovation about product and a global mind set for doing business.
- Develop an understanding of Management and apply the skills and knowledge in a business organization.
- BBA opens up enumerable career options and opportunities to the aspiring entrepreneurs and managers, both in India and Abroad.

DEPARTMENT OF MANAGEMENT

Programme: Bachelors of Buisiness Administration

PO No.	Programme Outcome Upon completion of the B.BA Degree Programme, the graduate will be able to
1.	Gain thorough knowledge of the fundamentals of management, human behaviour, business as well as communication skills finance, economics, law and accounting & mathematics
2.	**Students** can get knowledge about business as well as marketing skills
3.	In this programme a vast array of subjects are covered that will make you knowledgeable professional and give you many options for pursuing a career
4.	This programme is stepping stone for MBA programme
5.	Understanding legal issue/ law relating to banking and insurance sector.
6.	Applications of techniques for managing sales work efficiently.
7.	BBA degree is not just about education, you also learn about personality development. The degree teaches you to be a strong, confident person who is capable of handling teams and run a whole company. You are taught to be a team leader and a good team player as well. You are also taught to be a good public speaker as you have to give a lot of presentations during your BBA education. By the end of your degree, you will be a more developed and wholesome person.
8.	This programme can increase our personality / confidence level/thinking level

Programme: Bachelors of Business Administration

PSO No.	Programme Specific Outcome Upon completion of these courses the student would be able to do accomplish the following
1.	Students get in depth understanding of business administration
2.	It gives practical knowledge of corporate business activities.
3.	This course can increase leadership as well as entrepreneurship skills
4.	In BBA students can also learn about application of mathematical and statistical tools in business world
5.	It teaches how to develop business idea into reality
6.	We can also gain knowledge about Sales and Marketing strategies

Course title	BBA-101 Business Organisation
CO No.	Course Outcome
1.	Strong foundation in specialised areas such as management, international business.
2.	Develop skills in marketing, accounting, information and communication technology, or entrepreneurship.
3.	It will also provide practical skills for those who wish to move directly into the workplace.

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4.	Helping people with their needs, challenges, and problems; and help to improve the quality of life.
Course title	**BBA-102 Business Mathematics-I**
CO No.	**Course Outcome**
1.	To equip students with concept of differentiation ad Integration
2.	To understand about solution of system of linear equations
3.	Students will be able to understand about different types of matrices and determinants
4.	To Familiarize with Calculus

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Course title	**BBA-103 Business Accounting**
CO No.	**Course Outcome**
1.	To overcome financial trouble.
2.	To understand the basics of financial statements
3.	To develop analytical skills of comparing various statements and finding the results
4.	Make the students aware of the accounting software of tally
Course title	**BBA-104 Computer Fundamentals**
CO No.	**Course Outcome**
1.	To understand the basics of Computers
2.	To familiarize candidates with use of word processors , spreadsheet and presentation software
3.	To introduce students with working of network
4.	To equip students with basics of applications of computers and technology in managing business
Course title	**BBA-105 Business Communication**
CO No.	**Course Outcome**
1.	To develop essay writing skills
2.	Awareness of general topics related to essays
3.	Understanding level of various novels
4.	Letter writing skills
Course title	**BBA-106 Micro Economics-I**
CO No.	**Course Outcome**
1.	Understanding of the principles of economics
2.	To estimate the economic relationships
3.	Use of economics as a consumer point of view
4.	Knowledge of various forms of markets and pricing strategies
2.	To familiarize candidates with use of word processors , spreadsheet and presentation software
3.	To introduce students with working of network
4.	To equip students with basics of applications of computers and technology in managing business
Course title	**BBA 201 Principles of Management**
CO No.	**Course Outcome**
5.	Students will be able to know about management skills that they have to apply in various field with their functions.

6.	Thoughts of various renowned persons in development of management field will help to apply any one of them in their business
7.	Motivational and leadership theories will help them to adopt them in their business.
8.	Management will help the student to apply those principles in their general life to work smoothly without any hassle
Course title	**BBA-202 Macro economics**
CO No.	**Course Outcome**
1.	To understand the functioning of economy at the macro level.
2.	To Understand how the economy is regulated through monetary and fiscal policies.
3.	To study the important indicators of the economy and their significance.
4.	To explain the concept of macroeconomics.
5.	To apply the circular flow of income and expenditure.
6.	To analyse the income determination through classical and Keynesian economics.
7.	To integrate the role of fiscal and monetary policies in regulating economy
Course title	**BBA 203 Company Accounts**
CO No.	**Course Outcome**
1.	This subject will help to analyze the profitability of the firms by using various financial statements.
2.	Students can get the performance check of the firms by using various financial reports.
3.	To analyze Cash flow statements which will help to analyze the actual revenue the company is generating
4.	To analyse financial statements which will help to create and monitor: the balance sheet, income statement, and cash flow statement
5.	To give the knowledge of accounting ratios and their interpretation
1.	Students will learn about definition, scope, functions, importance, limitations and distrust of statistics; types of statistical methods
2.	Data collection and analysis; types of data
3.	central tendency/ Measures of dispersion and skewness Sampling: introduction, census versus sample errors in sampling, types of sampling, judging reliability of sample
4.	Index numbers/ Computation of above mentioned statistical techniques with Microsoft excel

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Course title	**BBA-204 Management Accounting**
CO No.	**Course Outcome**

1.	Students will learn about Management Accounting: meaning, nature, usefulness, functions, scope, conventions, techniques and limitations
2.	What is the difference between management accounting & financial accounting
3.	Cost Accounting: meaning, uses of cost accounting; various cost concepts; organization of cost accounting department; Classification of Cost, Cost-Sheet and Costing methods.
4.	Budgets and Budgetary Control/ Marginal Costing: Break- even –analysis/standard costing/ Control Techniques/ Responsibility Accounting

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Course title	BBA -205 Fundamentals of DBMS and ORACLE
CO No.	Course Outcome
1.	Students will learn about Traditional file oriented approach, Disadvantages of simple file system, Database approach, Advantages of Database approach, Database
2.	They learn about Computers its use in business, advantages and disadvantages, computerized system for inventory control,
3.	They come to know about SQL using ORACLE. They also know about how to write a report Report-Writing also advantages of Report writing
4.	In practical subject they learn about practical aspects of
	SQL and PL/SQL using Oracle. Introduction to SQL PLUS environment, Executing and Editing SQL Commands, Creating and executing simple PL/SQL programs. RDBMS Package like MS-Access

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Course title	BBA-206: Business Communication-II
CO No.	Course Outcome
1.	Students will learn about communication its approaches
2.	Different barriers in the path of communication & how to handle them

3.	What are the terms of effective listening
4.	Also they can learn about Importance of communication management, and communication structure in an organization.

Course title	BBA-207 Seminar
CO No.	Course Outcome
1.	Students will learn about how to present their ppt
2.	How to make ppt presentation Effective/ length of ppt/ contents of ppt
3.	This subject will increase confidence level/ their personality as well mental alertness
4.	Students will also indulge group discussion that increase their knowledge level

Course title	BBA- 208 Human Behavior at Work
CO No.	Course Outcome
1.	Students will learn human Behaviour at Workplace, 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.	Team Building at Workplace, and how team building helps affects organization
4.	Inter personal communication at Workplace, feedback process

Course title	BBA – 209 Macro Business Environment
CO 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	BBA – 210 Business Statistics-II
CO No.	Course Outcome
1.	To understand about Correlation – its types and methods
2.	Students will be able to learn about linear regression and its methods
3	To Understand the concept of Probability , Time Series- Components and Analysis
4	To learn about Hypothesis Testing

Course title	BBA – 211 Marketing Management

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CO No.	Course Outcome
1.	To study about marketing environment and marketing mix
2.	To understand the Marketing Information System
3.	To know about pricing of product
4.	To learn about promotion mixes in marketing

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Course title	BBA- 212 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

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Course title	BBA- 213 Principles of Material Management
CO No.	Course Outcome
1.	To Learn about material management and its use in organization
2.	To study about fundamental objectives of Purchasing
3.	To learn about Inventory management and control
4.	To Lear about Physical Distribution and Logistics

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Course title	BBA- 301 Business Laws-I
CO No.	Course Outcome
1	The student will be able to explain the concepts in business laws with respect to foreign trade
2	Apply the global business laws to current business environment.
3	Awareness of global business laws and its impact on businesses.
4	Analyse the principle of international business and strategies adopted by firms to expand globally

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Course title	BBA- 302 Principles of Retailing
CO 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.

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Course title	BBA- 303 Principles of Banking
CO No.	Course Outcome

1	Students will be able to demonstrate a comprehension of the principles of Banking laws and its relationship to banks and customers
2	Analyzing the Indian Banking system and its recent trends
3	Integrate process according to the functioning of Reserve Bank of India and commercial banks
4	To make the students comprehend, the latest offerings and the day to day operations in Banking.

Course title	BBA- 304 Fundamentals of E-Commerce
CO No.	Course Outcome
1	To understand the basic concepts and technologies used in the field of management information systems;
2	Have the knowledge of different types of management information systems
3	To aware about the ethical, social, and security issues of information systems.
4	To understand the processes of developing and implementing information systems.

Course title	BBA- 305 Export Procedure and Documentation
CO No.	Course Outcome
1	Explain the concepts in custom clearance in international business with respect to foreign trade
2	Apply the current custom clearance phenomenon and to evaluate the global business environment in terms of economic, social and legal aspects.
3	Handle documentation procedures during International business.

Course title	BBA- 306 Principles of Production Management
CO No.	Course Outcome
1	Gaining knowledge about managing production processes
2	How to run operations effectively.
3	Better understanding of modern production techniques.
4	Better understanding of quality management.
5	Management skills needed for the effective operations management.

Course title	BBA-308 Entrepreneurship Development
CO No.	Course Outcome
1.	Skills required for aspiring entrepreneurs
2.	Qualities of a successful Entrepreneur
3.	Awareness of Government and Non-Government Promotional strategies

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4.	Government Schemes related to entrepreneurship development

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Course title	**BBA-309 Business Law-II**
CO No.	**Course Outcome**
1.	Knowledge of the promotion and establishment of The Indian Companies Act,2013
2.	Awareness regarding rule of membership of the company
3.	Provisions relating to the Company Meetings
4.	Legal provisions of Securities Exchange Board of India Act 1992

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Course title	**BBA-310 Logistics Management**
CO 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.	Logistics Performance Measurement and control

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Course title	**BBA-311 Principles of Insurance**
CO No.	**Course Outcome**
1.	To learn about concept of Insurance – Life and Non- Life
2.	To study about General Insurance that works in organization
4.	To learn about Life Insurance and procedure of Claim Settlement

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Course title	**BBA -312 Introduction to Financial Services**
CO No.	**Course Outcome**
1.	To Learn about Financial Services their meaning and types
2.	To understanding Merchant Banking, Equity Issues and Role of SEBI
3.	To get familiarize with leasing ad hire purchase **C**oncept
4.	To understand Concept of Mutual Funds

Department of Geography
2020-21
B.A.3rd Semester
Subject: Climatology and Oceanography   **Subject Code: GET 202**

Learning Objective

1. The broad objective of the course is to introduce to the students the fundamental of atmospheric phenomena, global climate system and climate change.
2. The atmospheric and climate are a critical part of the earth system, climatic variability and change are central to the issue of current and future global environmental change.
3. To grasp the techniques for modeling the climate covering both theoretical and technical aspects.
4. To understand the dynamics of the atmosphere, the ocean and the overall climatology system.
5. To be able analysis and interpret climatic data.

Subject: Geomorphology   **Subject Code: GET 201**

Learning Objective

1. Students will understand the concept of place and how it is connected to people's sense of belonging to the physical environment, landscape and culture.
2. Students will be exposed to the nature of physical systems such as geomorphologic process and natural hazards.
3. Students will be able to understand the geomorphologic process as river, wind, glacial, ocean and karst work of erosion, transport and deposition.
4. Students will be learn how human, physical and environment components of the world interact.

Subject: Geography of Haryana   **Subject Code: GET 102**

Learning Objective

1. Students will get an introduction to main regions of Haryana in terms of both their uniqueness and similarities.
2. Students will be exposed to historical, economic, cultural, social and physical characteristics of Haryana.
3. Studnts will learn the relationship between the global, regional and the local, particularly how places are inserted in regional and global processes.
4. In addition to ability of understanding and reading maps, students will be develop cartography skills and will be able to create maps on their own.
5. Students will be introduced to demographic, social and cultural attributes such as migration, social relation and cultural identity.

Subject: Geography of India   **Subject Code:GET 101**

Learning Objective

1. Students will get an introduction to main regions od India in terms of both their uniqueness and similarities.
2. Students will be exposed to historical, economic, cultural, social and physical characteristics of India.
3. Studnts will learn the relationship between the global, regional and the local, particularly how places are inserted in regional and global processes.

4. In addition to ability of understanding and reading maps, students will be develop cartography skills and will be able to create maps on their own.
5. Students will be introduced to demographic, social and cultural attributes such as migration, social relation and cultural identity.

B.A. 6ᵗʰ Semester

Subject: Remote Sensing & GIS   **Subject Code: GE06**

Learning Objective

1. This course offer is to apprise the students to various aspects of Aerial photographs as type and use.
2. Also introduce about various aspects of remote sensing and GIS.
3. It will be teach about the important elements of the Geospatial technology.
4. It gives the technical knowledge of satellite system.
5. It will be teach about various statistical methods as mean, median, mode, co-efficient of variation, correlation and Regression.

B.A. 5ᵗʰ Semester

Subject: Economic Geography   **Subject Code:GE05**

Learning Objective

1. This course offers an introduction to ways in which economic activities are organized over the earth' surface.
2. It will teach about rapidly increasing integration of state and world economics.
3. The economic process operating at different gepgraphical scales are depending on complex economic-political-social interactions that are framed at global level.
4. The course explores the process of globalization, WTO, GATT and world trade pattern.
5. Seeks to provide understanding of today's increasing interdependent world.

ECONOMICS
(2020-21)
B.A 1ˢᵗ – Semester 1ˢᵗ (MICROECONOMICS) (ECO-101)
Learning Outcomes of Microeconomics:

1. Explain the role of scarcity, specialization, opportunity cost and cost/benefit analysis in economic decision-making.
2. Identify the determinants of supply and demand; demonstrate the impact of shifts in both market supply and demand curves on equilibrium price and output.
3. Summarize the law of diminishing marginal utility; describe the process of utility maximization.
4. Calculate supply and demand elasticities, identify the determinants of price elasticity of demand and supply, and demonstrate the relationship between elasticity and total revenue.
5. Describe the production function and the Law of Diminishing Marginal Productivity; calculate and graph short-run and long-run costs of production.
6. Identify the four market structures by characteristics; calculate and graph the profit maximizing price and quantity in the output markets by use of marginal analysis.
7. Determine the profit maximizing price and quantity of resources in factor markets under perfect and imperfect competition by use of marginal analysis.

8. Describe governmental efforts to address market failure such as monopoly power, externalities, and public goods.
9. Identify the benefits of free trade using the concept of comparative advantage.

B.A 1st – Semester 2nd (MACROECONOMICS) (ECO-102)

Learning Outcomes of Macroeconomics:

1. Using employment and national income statistics students will be able to describe and analyze the economy in quantitative terms.
2. Students will be able to describe the contemporary banking and monetary system, and analyze the role of money, credit, and Federal Reserve monetary policy.
3. Outline the role of comparative advantage in exchange. Describe the role of international trade and finance in domestic economic activity.
4. Students will be able to utilize a simple contemporary economic model such as the aggregate supply/aggregate demand model and describe the interrelationships among prices, income and interest rates as they affect consumption, saving and investment.
5. Analyze fiscal and monetary policy decisions to counter business cycle swings by using macro-economic models.

B.A 2nd – Semester 3rd (MONETARY ECONOMICS AND PUBLIC FINANCE) (ECO-201)

Learning Outcomes of Monetary Economics and Public Finance:

1. Apply a critical understanding of how distinctive economic theories, interpretations and modelling approaches impact debates over, for example, the choice of monetary policy or exchange rate regime.
2. Appreciate the nature of the institutional context in which monetary institutions operate, and demonstrate how this knowledge impacts upon the role, operation and function of central banks and other monetary institutions.
3. Critically assess the relationship between financial theory and empirical testing, and the central role it plays in the debates in the literature over, for example, the determinants of interest, inflation and exchange rates, or the effectiveness of monetary regimes and tools.
4. Demonstrate how changes in the nature and activities of the financial sector over time, such as the growth in shadow banking or the internationalization of corporate finance, have impacted upon policy, such as through the transmission channels of monetary policy and the design of financial regulation.
5. Access financial data from organizations including national central banks, the Bank for International Settlements, and the IMF, and perform analysis relevant to critically assessing the arguments they encounter in the module.
6. To have conceptual clarity of public expenditure and revenue theories.
7. To apply the principle of optimal taxation in analyzing various governments tax policies.
8. To know the application of public economics in analyzing various energy policies.
9. To comprehend various types of public goods and its real-world application.
10. To apply and integrate Equity and Efficiency Economics principles to analyze Energy consumption.

B.A 2nd – Semester 4th (INDIAN ECONOMY) (ECO-202)

Learning Outcomes of Indian Economy:

1. Identify the characteristics of Indian Economy as a Developing Economy.
2. Describe the Demographic Trends in India.
3. Write down the role of Industrialization in Indian Economy.
4. Understand the India's Foreign trade.
5. Describe the inflationary trends and impact of MNC's in Indian Economy

B.A 3rd – Semester 5th (GROWTH & DEVELOPMENT AND INTERNATIONAL TRADE) (ECO-301)

Learning Outcomes of Growth & Development and International Trade:

1. Using standard research methods, students will analyze major developmental milestones for children from conception through adolescence in the areas of physical, psychological, cognitive, and language development.
2. Compare and contrast various theoretical frameworks that relate to the study of human development.
3. Apply development theory to the analysis of child observations, surveys, and/or interviews using investigative research methodologies.
4. Explain the concepts in trade documentation in international business with respect to foreign trade.
5. Apply the current business phenomenon and to evaluate the global business environment in terms of economic, social and legal aspects.
6. Analyze the principle of international business and strategies adopted by firms to expand globally.
7. Integrate concept in international business concepts with functioning of global trade.

B.A 3rd – Semester 6th (ELEMENTARY STATISTICS FOR ECONOMIC ANALYSIS) (ECO-302)

Learning Outcomes of Elementary Statistics for Economic Analysis:

1. Design and implement an unbiased study that will produce sound statistical results.
2. Generate and interpret statistics and graphs from data that arise from surveys and experiments.
3. Implement the rules of probability.
4. Apply confidence intervals and test hypotheses to make conclusions about data that come from practical applications.
5. Perform regression analysis to make informed predictions about relationships between quantitative variables.

Semester-I (sem-1) (1) Indian Constitution Sub code= P.SC101_A

1. Students will be able to understand the terms of partition and how princely state were integrated.

2. They will able to answer to know the importance of the preamble in the constitution design of india.

3. They will able to answer how constituent assembly decided about our National Flag, National Song and Anthem and how debates infolded on National Language and Minority Rights in the Constitution.

4. They will able to answer question pertaining to the function and role of the President, Prime Minister, Government, Chief Minister Parliament and state Legislature and the Courts in the constitutional design of India.

(sem-3) (2) Indian Political Thinker (sem-3) Sub Code= PS201_A

1. How Swami Dayanand Sarasvati Criticized the superstitions in religious texts and practice of the same the followers and in what ways an understanding of Vedanta things one the superman and real truth and wisdom.

2. Students to explain Vivekananda criticism of the west and taking ride in the Indian Religion on the on hand criticism.

3. They will able to explain how authorise understood and explain Indian Nationalism, They will be also come to know why airlift equated Indian Nationalism with swami Dayanand.

(sem-5) (3) Comparative Politics (Option 1)

1. Students would be able to explain how legislature, executive and judiciary interact in these countries and how they interact each other in these systems.

2. They will able to explain the ways in which the executive legislature and judiciary of one courses different from the rest of the other.

3. The course exposes the students to concepts and approaches which can apply to understand different political regimes in terms of the origin of governments structure and function.

4. The ofstudents will be able to understand and apply different approaches to explain the function of different types of governing regimes.

5. They will able to compare democratic regimes and evaluate their functioning.

(sem-5)

(3) Learning Outcomes - International Organization (Option 2)

1. To understand meaning, Nature, Scope and Evolution of International Organization.

2. To understand the objective and Principles, Role of membership, Structure of United Nations Organization.

3. To understand the role of who and awareness about health, healthy food and nutrition.

4. To understand the role played by International court of justice to maintain harmony and peace among nations.

5. To understand the role and aims of UNO to Maintain International peace and security.

(sem-2) Semester-II (1) Indian Politics Codes= PS-102
1. Students would be able to learn the key drivers of Indian Politics.

2. They will able to explain how caste religion and language have influenced the identic politics in India.

3. They will able to explain the ideology social case and function of key political parties.

4. They will able to explain the ideology and social case, of religion and Language in India.

5. They will also explain the case of herald and Unitary Government.

They will be able to know what our electoral democracy and related to expenditure in elections and their public feeding.

(Sem-4) Indian Political Thinker   Code PS_202A
1. The Students would able to explain about the idea of truth and non-violence which become the lead rock of the guardian philosophy.

2. Students will be able to explain why and how Ambedkar opposed Laws and spoke in labours of the uniform civil code.

Students will learn his views on demurely, citizenship, Freedom and justice.

3. also explain Gandhi and Ambedkar on the question of caste system and untouchability.

4. They will come to know about the socialist ideas of Ram Manohar Lohia and Jai Parkash Narayan.

5. They will able to know the foreign Policy of Pandit Jawaharlal Nehru and Political idea of Subhash chandra Bose and Indian National Army and Party Programme.

(sem-6) Code= PS-302A

After Completion of Course students will be able to

1. Understand formation of Regional Organizations, European Community, SAARC, ASEAN.

2. Understand implementation and enforcement of Human Rights for better civilized life among social relations.

3. Understand role of united Nations in peace building and peace keeping.

4. Understand the democratization of U.N and India, claim for

permanent Membership of the Security.

5. Understand active and important role of India in U.N.O and Leading role of India in maintain world peace and Security.

PROGRAM: BACHELOR OF ARTS (2020-21)
SUBJECTS -HISTORY
SEMESTER 1ST - History of India (From Earliest Times to Pre- Mauryan Age)
Learning outcomes (LO)
Students will acquire knowledge regarding history and pre-historic age and the status of the society and culture of the Paleolithic, Mesolithic and Neolithic age.
Students will acquire knowledge regarding about Harappa and bronze age: origin, extent, town planning society, economy, religion and decline. The Vedic age: social, economic, political and religious conditions.
Students will acquire knowledge regarding about the age of Mahajanapadas, role of iron technology, the rise of territorial states, socio-religious movements: Jainism, Buddhism and other religious Sectors.
Students will acquire knowledge regarding about prehistoric sites in India, Harappan civilization - its extent and important sites and the Mahajanapadas.
SEMESTER 2ND – History of India (600BC – 1526AD)
Learning outcomes (LO)
Students will acquire knowledge regarding Achaemenian, Macedonians and their impacts. Formation and consolidation, nature of state and Mauryan art. Ashoka's dhamma: Social and economic conditions, decline of empire. Formation and Expansion of Kushana Kingdom.
Students will acquire knowledge regarding formation, consolidation and contribution to Indian culture. Pushpabhutis, Harsha's Achievements and administrative, political condition under his successors.
Students will acquire knowledge regarding establishment and consolidation
under early Turkas; Aibek, Iltutmish, Balban. Expansion of Delhi sultanate under Khaljis, Tughlaqs, Saiyyad and Lodhi's. Disintegration of Delhi sultanate.
Students will acquire knowledge regarding Empire of Ashoka, Empire of Kanishka and Empire of Harshavardhana.
SEMESTER 3rd - History of India (1526AD-1707AD)
Learning outcomes (LO)
Students will acquire knowledge regarding Babur's major achievements, Humayun's political struggle and Sher shah suri and his major achievements.

Students will acquire knowledge regarding Mughal Emperor Akbar, Jahangir, Shahjahan, Aurangzeb and administrative institutional developments like Mansabdari, Jagirdari and Zamindari system.
Students will acquire knowledge regarding land revenue system, industries, trade and commerce and socio-religious life during Mughal period. Bhakti and sufi movements. Art and architecture.
Students will acquire knowledge regarding political condition on the eve of Babur invasion, Mughal empire under Akbar, India on the eve of Aurangzeb's reign and deccan/ south india.

SEMESTER 4TH – History of India (1707AD- 1947AD)

Learning outcomes (LO)
Students will acquire knowledge regarding Indian Ocean and Trade Network and Economic and Social Condition in Early 18th Century, Debate on transition.
Students will acquire knowledge regarding Hasting's Judicial Reforms and Wellesley's Subsidiary Alliance System- Permanent Settlements, Royatwari Settlements and Mahalwari Settlements.
Students will acquire knowledge regarding Spread of Westen Education, Raja Ram Mohan Roy and Swami Dayanand. Causes, nature and results of 1857.
Students will acquire knowledge regarding India during 1764, important places of 1857 revolt, centres of socio-religious movements and significant places of revolutionary movements.

SEMESTER 5TH Ancient and medieval world

Learning outcomes (LO)
Students will acquire knowledge regarding Hunting stage (Paleolithic), Hunting – gathering stage (Mesolithic) and Food producing stage (Neolithic). They will learn about Sumerian Civilization : Socio-economic structure, Egyptian Civilization : Socio-economic structure and Indus Civilization : Socio-economic structure.
Students will acquire knowledge regarding Greek civilization : Polity, Society and Economy, Roman civilization : Polity, Society and Economy and Indian civilization : P.G.W. Culture. They will learn about Feudalism : Definition, Rise, Features and Decline and Role of Church in Medieval Europe.
Students will acquire knowledge regarding Rise of Islam: socio-political background of pre-Islamic Arabia, evolution of Islamic state under prophet Muhammad, pious caliphs and State under Umayyads and Abbasids; Intellectual and cultural contribution of the Arab civilization. They will learn Renaissance : Rise and it's impact and Reformation : Rise and it's impact
Students will acquire knowledge regarding Indus valley civilization, main conters of Greek-Roman civilization and Formation of empire under abbasids

SEMESTER 6th Modern world

Learning outcomes (LO)
Students will acquire knowledge regarding Mercantilism, Agricultural Revolution and Technological Revolution. They will learn about Imperialism- its stages and development, Capitalism- its theories and development
Students will acquire knowledge regarding French Revolution, Liberalism in Britain and Nationalism in Germany & Italy. They will learn about Russian Revolution, Fascism in Italy and Nazism in Germany.
Students will acquire knowledge regarding Stages of Colonialism in India, China and the West, Japan and the West. They will learn about Ist World War and peace settlements, IInd World War and origin and development of Non-Alignment Movement.
Students will acquire knowledge regarding area of agriculture revolution, Europe on the eve of French revolution, unification of Italy and unification of Germany.

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.

Paper : English (Semester II)

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-versed Learners of English language.
- Through the Course, Students are encouraged for Extensive and Intensive study of English

language.

Paper : English (Semester IV)

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-versed Learners of English language.
- Through the Course, Students are encouraged for Extensive and Intensive study of English

  language.

Paper : English (Semester V)

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.

Paper : Englsih (Semester VI)

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.

Paper code EN 01

(BSC -1 Medical + Non-Medical)

English grammar /composition

Topics -Sentences and Types

1. Students will build an elementary understanding of form, structure and use of sentences in varied discourse settings.

2. Students will be able to form simple and complex structure of sentences.

3. They will begin to self - edit their oral and written production of sentences .

4. They will begin to integrate sentences form meaning and use in academic discourse setting.

5. They will understand the factors and influence of grammar in speech and writing.

6. They will understand the different ways in which grammar has been described.

7 Students will be able to identify and distinguish different parts of speech.

8. They will be able to use nouns, verbs, adjective and adverbs correctly in a sentence .

Unit 1 and 2 (Stories)

1. To Increase their willingness to communicate thoughts and feelings.

2. To encourage active participation through imagination and creativity.

3. To encourage cooperation among students.

4. To help developing new ideas (out of box thinking)

Paper Code En 01

English grammar\composition

Topics -sentences and types

1. Students will build an elementary understanding of form, structure and use of sentences in varied discourse settings.

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 unit 1 and 2 stories

1 To increase student's willingness to communicate their thoughts and feelings.

2. Encourage active participation through imagination and creativity

3. To encourage cooperation among students.

4. To help students developing new ideas (out of box thinking)

Paper Code- En 0 5 (2017 to 2021)

   Learning outcomes of teaching novel, drama.

Alter completion of the course, students will be able to

1. Understand how to interpret and critically examine a literary text from the genre of drama and novel .

2. Explain how to understand and develop the themes of the novel and drama.

3. To Infer the author's purpose of writing background setting.

4. To establish a comparison with the text.

5. To provide a close reading of the language used in any specific section.

6. To write memos, R T I 's, formal letters in order to develop better communication.

7. To enhance their Vocabulary .

8. To develop their communication skills in interviews, group discussion and debate etc.

Paper code En 03 POETRY

1. To understand the common technique underlying the traditional forms of poetry

2. To identify individual experiences that can be used when writing poems.

3. To understand the basic terminology and practical elements of poetry.

Grammar/ composition4 Students will demonstrate how to use traditional grammar to enhance their writing.

5. They will identify the role of traditional grammar in different text types.

6. They shall understand the usage of tenses in communication structures.

Paper code EN 01
(BSC -1 Medical + Non Medical)
English grammar /composition
Topics -Sentences and Types
1. Students will build an elementary understanding of form, structure and use of sentences in varied discourse settings.
2. Students will be able to form simple and complex structure of sentences.
3. They will begin to self - edit their oral and written production of sentences .
4. They will begin to integrate sentences form meaning and use in academic discourse setting.
5. They will understand the factors and influence of grammar in speech and writing.
6. They will understand the different ways in which grammar has been described.
7 Students will be able to identify and distinguish different parts of speech.
8. They will be able to use nouns, verbs, adjective and adverbs correctly in a sentence .
Unit 1 and 2 (Stories)
1. To Increase their willingness to communicate thoughts and feelings.
2. To encourage active participation through imagination and creativity.
3. To encourage cooperation among students.
4. To help developing new ideas (out of box thinking)

Paper Code En 01
English grammar\composition
Topics -sentences and types
1. Students will build an elementary understanding of form, structure and use of sentences in varied discourse settings.
2. Students will be able to form simple and complex structure of sentences
3. They will begin to self-edit their oral and written production of sentences
4. They will begin to integrate sentences form, meaning and use in academic discourse settings.
5. They will understand the factors that influence of grammar in speech and writing.
6 they will understand the different ways in which grammar has been described.
7 they will be able to identify and distinguish different parts of speech.
8 They will belt to use nouns, verbs, adjectives and adverbs correctly in a sentence.
 unit 1 and 2 stories
1 To increase student's willingness to communicate their thoughts and feelings.
2. Encourage active participation through imagination and creativity
3. To encourage cooperation among students.
4. To help students developing new ideas (out of box thinking)

Paper Code- En 0 5 (2017 to 2021)

   Learning outcomes of teaching novel, drama.
Alter completion of the course, students will be able to
1. Understand how to interpret and critically examine a literary text from the genre of drama and novel .
2. Explain how to understand and develop the themes of the novel and drama.
3. To Infer the author's purpose of writing background setting.
4. To establish a comparison with the text.
5. To provide a close reading of the language used in any specific section.
6. To write memos, R T I 's, formal letters in order to develop better communication.
7. To enhance their Vocabulary .

8. To develop their communication skills in interviews, group discussion and debate etc.

Paper code En 03   **POETRY**

1. To understand the common technique underlying the traditional forms of poetry
2. To identify individual experiences that can be used when writing poems.
3. To understand the basic terminology and practical elements of poetry.

Grammar/ composition

4 Students will demonstrate how to use traditional grammar to enhance their writing.
5. They will identify the role of traditional grammar in different text types
6. They shall understand the usage of tenses in communication structures.

Department of Mathematics

Course Outcomes of Mathematics Course in B.A./B.Sc

At the end of course students should be able to :

Semester-I

Paper : Algebra (MAT 101A)

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

Paper : Calculus (MAT 101B)

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

Paper : Solid Geometry (MAT 101C)

1. Define conics and its fundamental properties and establish connection between them.
2. Determine polar equation of a conic and find tangent and normal to it.
3. Understand all distinguishing features of sphere , circle and cone.
4. Define central conicoids and have understanding of all the features.
5. Define Paraboloids and generating lines and solve the related examples.

6. Reduce second degree equation to a simpler form which is relatively easy to analyze.

Semester-II

Paper : Number theory and trigonometry (MAT 102A)

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

Paper : Ordinary differential Equations (MAT 102B)

1. have knowledge of geometrical meaning of differential equations.
2. Identify Exact differential equations and know the method of their solution.
3. Solve the differential equation by representing it in an appropriate form.
4. Define orthogonal trajectories in both polar and Cartesian coordinates.
5. Solve linear equation with constant coeffient .
6. knowledge of all the methods to solve the differential equations with variable coeffients.
7. Solve the simultaneous differential equations .

Paper : Vector calculus (MAT 102C)

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

Semester-III

Paper : Advanced Calculus (MAT 201A)

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

Paper : Partial differential Equations (MAT 201B)

1. form partial differential equations and find its order and degree.
2. find complete, singular and general solutions of diffential equations of first order.
3. solve linear and nonlinear homogenous and non homogenous equations with constant coeffients.
4. reduce partial differential equations with variable coeffients to equations with constant coefficients.
5. define hyperbolic , parabolic and elliptic type partial differential equations.

6. reduce second order linear partial differential equations to canonical forms.
7. solve characteristic equations and characteristic curves of second order partial differential equations.
8. solve diffusion (Heat) equation in Cartesian coordinate system.

Paper : Programming in C and Numerical methods (MAT 201C)

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

Semester-IV

Paper : Sequence and series (MAT 202A)

1. State terminology of real numbers and define related terms.
2. define interior points, isolated points, limit points, open sets, closed sets, interior and closure of a set.
3. state and prove Bolzano weierstrass theorem and use it in proving other results.
4. define compact sets and understand related results.
5. define sequence , Cauchy sequence, subsequence and use Cauchy general principle of convergence.
6. 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.
7. Define alternating series and related test to the convergence.
8. define multiplication of series and methods to check its convergence or divergence.

Paper : Special functions and integral transforms (MAT 202B)

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

Paper : Numerical Analysis (MAT 202C)

1. Define finite difference operators and establish relationship between them.
2. Know the techniques of interepolation with equal intervals and formulae of Newton's forward and Newton's backward interpolation.
3. Know the techniques of interepolation with unequal intervals and formulae of Lagrange and Hermite.
4. know Gauss's forward and Gauss's backward interpolation formula.
5. Understand the concept of Numerical Integration and related theory.
6. Understand the concept of Numerical Differentiation and related theory.

Semester-V

Paper : Real Analysis (MAT 301A)

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

Paper : Groups and Rings (MAT 301B)

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

Paper : Statics (MAT 301C)

a. compose and resolve the forces.
b. understand the concept of moment and couple.
c. state analytical conditions of equilibrium of coplanar forces.
d. understand the concept of friction and centre of gravity.
e. understand the concept of virtual work and solve related problems.
f. understand the concept of wrenches, null lines, planes, stable and unstable equilibrium.

Semester-VI

Paper : Real and complex Analysis (MAT 302A)

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

Paper : Linear Algebra (MAT 302B)

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

Paper : Dynamics (MAT 302C)

a. Find velocity and acceleration along radial, transverse, normal and tangential directions.
b. Find relative velocity and acceleration.
c. Define Mass , Momentum, force and Newton's laws of motion.
d. Understand the concept of work , power and energy.
e. Understand the concept of projectile motion of a particle in a plane.

Course Outcomes of Mathematics Course in B.Com.(H)

Semester-III Paper: Business Mathematics (BCH 211)

1. Know Matrices, Determinants, Adjoint and Inverse of Matrices

2. Apply Elementary operations on Matrice , Solve Linear Equations,

3. Calculate Compound Interest, learn Annuities, Time value of Money

4. Know Differentiation, Integration . Sove LPP by Graphic Method (Two variables only),

5. Know Set theory , operate Union and Intersection of Sets

Department of Chemistry

Learning objectives and Outcomes

<p align="center">B.Sc.-1st Semester</p>

Subject-Inorganic Chemistry   **Subject Code CHE 101 A**

Learning Objectives

1. To understand the shapes of different orbitals.
2. To understand different principles for filling electrons.
3. To understand how to draw energy diagrams.
4. To understand how to calculate bond order.
5. To understand how to calculate lattice energy through Born Haber Cycle.

Learning Outcomes

1. Able to write electronic configuration of given atomic number.
2. Able to tell the name of orbitals by recognizing shapes of orbitals.
3. Able to calculate bond order of different molecules.
4. Able to draw MO diagrams of different molecules.
5. Able to draw structures of different ionic solids.
6. Able to calculate effective nuclear charge using Slaters Rule.

<p align="center">B.Sc. 1st Semester</p>

Subject: Physical Chemistry   **Subject Code: CHE 101 B**

Learning Objective

1. Students will be able to describe the concept of pressure from a macroscopic and microscopic perspective.
2. Students will describe the relationship between partial pressures and total pressure as described in Dalton's Law of partial pressure.
3. Students will be able to explain the quantitative relationship between T, V, n & P as described by kinetic molecular theory.
4. The students will be able to compare and contrast the chemical behaviour and physical properties of common substances.
5. The students will be able to classify matter by its state and bonding behaviour using the periodic table as a reference.

Learning Outcomes

1. Students should be able to describe the characteristic of the three states of matter.

2. Students should be able to describe the different physical properties of each state of matter.
3. Students should be able to determine the difference between solids, liquids and gases.
4. Students will be able to define what matter is and where you can find it.
5. Students will be able to give examples of solids, liquids and gases.

B.Sc. 1st Semester

Subject: Organic Chemistry   **Subject Code : CHE101 C**

Learning Objective

1. To understand the core concepts of organic chemistry i.e. resonance, hyperconjugation, inductive effect etc. and their application.
2. To study about the isomerism and types of isomerism.
3. To understand optical isomerism, geometric isomerism and conformational isomerism.
4. To acquire basic knowledge of reactive intermediates and mechanism of organic reactions.
5. To study about nomenclature, synthesis, isomerism and physical properties of alkanes and cycloalkanes.

Learning Outcomes

Upon successful completion of this course, the student will be able to

1. Recognize and draw constitutional isomers, stereoisomers, including enantiomers and diasteromers, racemic mixture and meso compounds.
2. Know the fundamental principles of organic chemistry and predict outcomes and derive mechanism of various types of organic reactions.
3. Understand various types of reactive intermediates and factors affecting their stability.
4. Understand the nomenclature, synthesis, isomerism and physical properties of alkanes and cycloalkanes

B.Sc. - 2nd Semester

Subject: Inorganic Chemistry   **Subject Code: CHE 102 A**

Learning Objective

1. The purpose of study semiconductor devices and materials is to familiarize students with P-N junction and transistors.
2. The students will be able to understand general trends in the chemistry behind p-block elements.
3. The students will be able to know the important compounds and important applications of compounds of boron and carbon.

4. The students will understand the biological significance of sodium, potassium, magnesium and calcium.
5. The students will be able to explain large scale preparation and properties of industrially viz., cement, plaster of paris, sodium hydroxide, sodium carbonate and bicarbonate etc.
6. The students will be able to describe the salient features of alkali and alkaline earth metals.

Learning Outcomes

1. The students will be able to design and carry out scientific experiments as well as accurately record and analyZe the results of experiments.
2. Students will be able to explain why chemistry is an integral activity for addressing social, economic and environmental problems.
3. Students will be skilled in problem solving, critical thinking and analytical reasoning as applied to scientific problems.
4. The students will be able to describe the periodic table as a list of elements arranged so as to demonstrate trends in their physical and chemical properties.
5. The students will able to state the principle resemblances of elements within each main group in particular alkali metals, alkaline earth metals, halogens and noble gases.

B.Sc. (Chemistry) 2ndSemester

Subject: Physical Chemistry   **Subject Code: CHE-102 B**

1. To describe a reaction rate in terms of a change in concentration divided by a change in time (at constant volume) and a general form of a (differential) rate law.
2. To write a general form of the rate law for any chemical reaction and define the order of a chemical reaction.
3. To determine integrated rate expression for zero order, first order, second and third order reaction and their respective half-life period expressions.
4. To study the various factors which affect the rate of a chemical reaction such as concentration, temperature, solvent, catalyst etc. And theories of chemical kinetics.
5. Acquire basic knowledge of electrode conduction.
6. Determine the solubility of sparingly soluble salts.
7. Explain the various methods for the determination of transport number.

Learning Outcomes
Upon successful completion of this course, the student will be able to

1. State the basic principles electrochemistry

2. Mention and explain various methods for the determination of transport number.

3. Explain the concepts of electrolytic conduction and dilution

4. Understand rate of reaction and factors affecting it.

5. Derive integrated rate expressions for zero order, first order, second order and third order reaction.

Understand theories of reaction kinetics and differentiate them.

B.Sc.-2nd Semester

Subject-Organic Chemistry   **Subject Code: CHE 102 C**

Learning objectives
1. To identify addition reactions for alkenes and alkynes.

2. To understand the nature of double and triple bonds for addition reactions.

3. To identify the difference between dienes and alkenes.

4. To understand the mechanism of attack of electrophiles and nucleophiles.

5. To understand the preparation methods for alkenes, alkynes, alkyl halides.

Learning outcomes
1. Recognize the basic practical skills for the synthesis of alkenes, alkynes, alkyl halides.

2. Able to predict the reactivity of organic compound from its structure.

3. Able to understand the rules for naming different organic compounds 4. Able to recognize mechanism for given chemical reaction.

B.Sc. 3rd Semester

Subject: Inorganic chemistry   **Subject Code: CHE 201 A**

Learning Objective

1. In order to study transition metals to understand the trends in properties and reactivity of the d-block elements.
2. To explain the typical physical and chemical properties of the transition metals.
3. To identify simple compound classes for transition metals and describe their chemical properties.
4. To make the students understand that solutions which have water as a solvent are called aqueous solutions and those with solvent other than water are called non-aqueous solutions.
5. The students should know that that equivalent weight of an acid and base can be find out from their molecular weight and the acidity and basicity of that compound.

6. The student should understand that there are different methods of expressing concentration of a solution such as mass percent, ppm, normality, molarity, and molality.

Learning Outcomes

1. The students will be able to explain the fundamental concepts in coordination chemistry of transition metals.
2. The Students should be familiar with the basic knowledge of the non-aqueous solutions and applications of non-aqueous solvents in analytical chemistry.
3. The students will develop the ability of effective solving practical problem of analytical chemistry of non-aqueous solutions.
4. Students will be able to describe different quantitative methods of analysis of organic and inorganic substances.

Students will be able to demonstrate methods of drugs analysis and pharmaceutical calculations.

B.Sc. - 3ʳᵈ Semester

Subject: Physical chemistry   **Subject Code: CH-201 B**

Learning Objective

1. To understand thermodynamic terms: system, surrounding etc. Types of systems, intensive and extensive properties. State and path functions and their differentials.

2. To understand Heat capacity, heat capacities at constant volume and pressure and their relationship. Joule's law

3. To understand the concept of equilibrium constant, free energy, chemical potential

4. To understand the Nernst distribution law – its thermodynamic derivation, modification of distribution law when solute undergoes dissociation, association and chemical combination. Applications of distribution law

5. To understand the determination of degree of hydrolysis and hydrolysis constant of aniline hydrochloride

Learning Outcomes

After the completion of the course, Students will be able to

1. Recognize the basic terms of thermodynamic.

2. Able to predict the energy change in heat capacities at constant volume and pressure and their relationship.

3. Able to drive Joule's law and its application.

4. Able to derive relationship between modifications of distribution law when solute undergoes dissociation.

5. Able to recognize the degree of hydrolysis and hydrolysis constant of aniline hydrochloride.

B.Sc.-3rd Semester

Subject-Organic Chemistry   **Subject Code: CH-201 C**

Learning Objectives
1. To understand the methods for preparation of alcohols.
2. To understand the different classes of alcohols.
3. To understand the structure of carboxylic acid and their derivatives.
4. To understand the reactivity of different carboxylic acid derivatives.
5. To understand the chemical reactions of phenols.

Learning Outcomes
1. Able to recognize structures of acid halides, esters, amides, acid anhydrides.
2. Able to convert given name of alcohol to structure.
3. Able to write the order of reactivity of different carboxylic acid derivatives.
4. Able to describe different classes of alcohols.
5. Able to write down structure of phenol and phenoxide ion.

B.Sc. 4th Semester

Subject: Inorganic chemistry   **Subject Code: CHE 202 A**

Learning Objective

1. The students will understand the importance of periodic table of the elements, how it came to be and its role in organizing chemical information.
2. The students will develop the ability to effectively communicate scientific information and research results in written and oral formats.
3. The students will learn the laboratory skills needed to design, safely conduct and interpret chemical research.
4. The primary aim of a qualitative research is to provide a complete detailed description of the research topic.
5. Quantitative research focuses more in counting and classifying features and constructing statistical models and figures to explain what is observed.

Learning Outcomes

1. By quantitative analysis courses, the students will be learn to understand, communicate and interpret quantitative information and mathematical ideas.
2. All should able to develop skills in the recognition of patterns, generalization, abstraction to a formal system and application of the system to specific situations.
3. The students will be able to understand the various uses of lanthanides elements in flash light powders and in dying cotton.
4. The students will be able to understand about recently lanthanides have been used in lasers.
5. The students will be able to know about actinides elements are used as nuclear fuels for various purposes.

B.Sc. - 4th Semester

Subject: Physical Chemistry   **Subject Code: CHE 202 B**

Learning Objective

1. To understand the concepts of thermodynamics and its laws
2. To understand the entropy change in reversible and irreversible reaction
3. To understand the physical significance of third law of thermodynamics
4. To understand the concepts of electrochemistry
5. To understand the working and reaction of electrochemical cells

Learning Outcomes

After the completion of the course, Students will be able to

1. Recognize the basic concepts of thermodynamics
2. Able to predict the reversible and irreversible reaction
3. Able to understand the physical significance of third law of thermodynamics
4. Able to recognize the reaction of electrochemical cells and types

B.Sc.-4th Semester

Subject-Organic Chemistry   **Subject Code CH-201 C**

Learning objectives

1. To understand how to name different aldehydes and ketones.
2. To understand the reactivity of different carbonyl compounds towards nucleophilic reaction.
3. To understand how to write the products of addition reaction to carbonyl compounds.
4. To understand to differentiate between primary, secondary and tertiary amines.

5. To determine the percentage composition of a liquid sample mixture by the application of Beers Law.

Learning outcomes

1. Students are able to recognize mechanism of different reactions related to carbonyl compounds.

2. Students are able to differentiate between given different amines.

3. Able to recognize different functional groups by given only graph of peaks.

4. Able to write mechanism of different condensation reaction.

5. Able to recognize the reactivity of substituted aromatic amines.

B.Sc. - 5th Semester

Subject: Inorganic chemistry   **Subject Code: CH-301 A**

Learning Objective

1. To understand the concepts of metal ligand bonding in transition complex compounds.

2. To understand the thermodynamics and kinetic aspects of metal complexes.

3. To understand the nomenclature, classification, properties and preparations of coordination compounds.

4. To understand the chemistry of organometallic compounds, homogenous hydrogenation and carbonyls.

5. To understand the bioinorganic chemistry of hemoglobin, myoglobin etc.

Learning Outcomes

After the completion of the course, Students will be able to

1. Recognize the bonding in transition compounds by VBT and CFST theories.

2. Able to predict the geometry of coordination compounds and type of hybridization.

3. Able to determine the properties and preparations of Li, Al, Hg, Sn, Ti etc. metal compounds.

4. Able to recognize the biological reaction alkali and alkaline earth metals, nitrogen fixation, hemoglobin and myoglobin.

B.Sc.-5th Semester

Subject- Physical Chemistry   **Subject Code: CHE 301 A**

Learning Objectives

1. To understand the concept of black body radiations.

2. To understand the concept of wave functions.

3. To understand different properties of molecular structure.

4. To understand the basic features of spectroscopy.

5. To understand the Harmonic Oscillator.

Learning Outcomes

1. Able to recognize different regions for different spectroscopy.

2. Able to explain the concept of Electromagnetic Waves.

3. Able to explain the concept use in Black Body Radiation.

4. Able to calculate dipole moment in given molecules.

5. Able to use concept of polarizability.

B.Sc.-5th Semester

Subject: Organic chemistry   **Subject Code: CHE 301 C**

Learning Objective

1. In order to study the NMR spectroscopy to understand the important role of nuclear magnetic resonance spectroscopy in the study of the structures of organic compounds.
2. To develop an understanding of the significance of the number, positions, intensities and splitting of signals in nuclear magnetic resonance spectra.
3. To be able to assign structures to simple molecules on the basis of nuclear magnetic resonance spectra.
4. In order to study carbohydrates will develop the skills to recognize and draw particular carbohydrate structures.
5. To know general structural elements of cyclic monosaccharide and disaccharides and their implications for structure and function.

Learning outcomes

1. After study of course students have firm foundations in the fundamentals and application of current chemical and scientific theories.
2. Students are able to identify and solve chemical problems and explore new areas of research.
3. Students are skilled in probing solving, critical thinking and analytical reasoning.
4. After completion of course students should have the ability to identify organic compounds by analysis and interpretation of spectral data.

5. Students should have the ability to explain common terms in NMR spectroscopy such as chemical shift, coupling constant and anisotropy and describe how they are affected by molecular structure.

Students are skilled to perform the most commonly used NMR experiments and to interpret and document their results.

B.Sc.-6th Semester

Subject-Inorganic Chemistry **Subject Code: CHE 302 A**

Learning objectives
1. To understand the role of metal ions in biological system.
2. To understand the role of metal ions in oxygen transport.
3. To understand the concept of acid and bases.
4. To understand the uses of inorganic polymers.
5. To understand the nature of bonding of different metals with carbon atom.

Learning Outcomes

1. Students are able to describe role of different metal ions in biological system.
2. Students are able to recognize role of porphyrin ring in haeomoglobin.
3. Students are able to count total of electrons in organometallic compound.
4. Students come to know about uses of different inorganic polymers in making of tyres, toys, plastics bags.
5. Students are able to name different organometallic compounds.

B.Sc. - 6th Semester

Subject: Physical chemistry **Subject Code: CHE 302 B**

Learning Objective

1. To understand the transitions through electronic spectroscopy
2. To understand the term symbols of diatomic molecules
3. To understand the different type of vapour pressure curves
4. To understand the ideal and non-ideal solutions and their behaviour
5. To understand the thermodynamics of one and two component system.

Learning Outcomes
After the completion of the course, Students will be able to

1. Recognize the basic rules of electronic spectroscopy.
2. Able to predict the term symbols of diatomic molecules
3. Able to understand the behavior of ideal and non-ideal solutions
4. Able to recognize the thermodynamics of one and two component system
5. Recognize the basic rules of various component system

Subject: Organic chemistry   **Subject Code: CHE 302 C**

Learning objective

1. The main aim of Heterocyclic compounds study is to develop novel, efficient, convenient, selective and environmentally benign synthetic methods in organic chemistry.

2. The objective of the present study of heterocyclic compounds is to develop green methodologies for the synthesis of nitrogen containing heterocyclic.

3. The students will be aware about most of drugs in the present market are the compounds containing various heterocyclic moieties.

4. To enable students to acquire a specialized knowledge and understanding of selected aspects by means of lecture series and a research project.

5. The course aims to provide an advanced understanding of the core principles and topics of biochemistry and their experimental basis.

Learning outcomes

1. The students should be able to demonstrate advanced knowledge and understanding in aspect of protein structure.

2. The students will be able to introduce about basic chemistry of the heterocyclic.

3. The students will get familiar with particular properties and reactions for the most important heterocyclic as well as different systems of nomenclature.

4. The students will develop fundamental theoretical understanding of heterocyclic chemistry.

5. The students will be able to fully comprehend the chemistry of many heterocyclic products, carbohydrate, amino acids, peptides, proteins and lipids in use such as drugs and food.

DEPARTMENT OF BOTANY

UG (COURSE OUTCOMES)

B.Sc medical (Botany) SPECIFIC OUTCOMES

Students will be able to…..

Paper 1 Diversity of microbes and crytogams (Algae and Fungi)

Paper code BOT -101A (1st sem)

- Develop intrest of students by effective teaching learning process so that they understand the concept.
- Understand the difference between Prokaryotic and eukaryotic organisms.
- Get knowledge about structural and anatomical differences between algae, fungi ,bacteria and virus.
- Develop knowledge about importance of algae, fungi, bacteria, in human life .
- By doing practical work understand diseases symptoms caused by fungi and virus.

Paper 2 cell biology

Paper code BOT- 101B (1st sem)

- understand the process of cell division.
- understand the function of cell and cell organelles in cell.
- By doing practical work understand the chromosomes segregation during cell division.
- Gain knowledge about nucleus play important role in transfer the genetic information.
- know that which organelle synthesize ATP and why called power house of cell.

- develop communication skill.

Paper 3 Diversity of cryptogams (Bryophytes and Pteridophytes)

Paper code - 102 A (2nd Sem)

- understand the structural and functional aspects of Bryophytes and Pteridophytes.

- By practical knowledge critical thinking develops.

- Develop knowledge that how these plants can used for human welfare.

- They can identify plants all around that which are Bryophytes and which one Pteridophytes.

Paper 4 Genetics

Paper code - 102 B(2nd sem)

1. contribution of different scientists in field of Genetic.
2. know the function of gene and chromosomes .

3. By practical knowledge understand the law of Mendel's.

4. By knowing chromosomes abbreviations understand how they transmit from one generation to another.

Paper 5 diversity And systematics of seed plants -1

Paper code - 201A

1. Knowledge about seeded plants like gymnosperm and angiosperm

2. Diversity of gymnosperm where they found .

3. knowlege about fossil and evolution Of plant .

4. Provide basics about plant life cycle and economic importance in daily life

5. Develop research knowledge and moral values

6. Develop communication skill and team working .

7. Develop Knowlege about which season is best for gymnosperm growth .

8. Knowlege about seed germination and pollination .

Paper 6 plant anatomy paper code -201B (3rd sem.)

1. plant anatomy Show cell structure and tissue difference In various plants according to enviorment

2. By practical work develop knowlege which tissue get which stain

3. Improve collaboration and team working

4. develop interest in students How plants grow And increase their size .

5. improve research Knowledge and helpful in cytotaxonomy .

6. Provide basic knowledge about leaf arrangement and stomatal type

7. Develop academic knowlege for competitive exam .

Paper 7 Diversity and systematics of seed plants -2

Paper code - 202 A (4th Sem.)

- Students who successfully complete this course will be able to:

- Recognize ecologically and economically important plant species by sight.

- Identify unknown plant species using dichotomous keys.

- Employ diverse taxonomic resources for plant identification, including electronic and print media, reference materials, and herbarium collections.

- Discuss current questions in plant evolution and classification.

Paper 8 -Reproduction and embrology of flowering plants

Paper code -202B (4th.Sem)

- complete details about the structures, development of embryo at different stages including gametogenesis, fertilization, and implantation.
- correlate between the embryological structure and its significance.
- Demonstrate activities on the gametoge**nesis, fertilization.**
- Develop moral and ethical value .
- Develop academic knowledge and team working

Paper 9 PLANT PHYSIOLOGY

Paper code BOT 5.1 (5th sem)

- By studying plant physiology they know importance of plant for their life.
- Use of plants in synthesize important products.
- Develop experimental techniques and methods.
- Get information about contribution of different scientists in field of Botany.

Paper 10 Ecology

Paper code - Bot. 5.2 (5th sem.)

- By studying ecology they know the importance of environment if we disturb environmental conditions human life also suffer .
- Knowlege about interaction of plant , enviorment , and animal , some microbes .
- Describe major evolutionary lineages of plants and their defining characteristics.
- .knowlege about ecological adaptation of plant according to enviornment.
- Discuss plants in the context of broader environmental concerns, such as climate change, habitat destruction, pollution, invasive species, and agriculture.
- Describe plant and animal distribution patterns in relation to abiotic and biotic factors.
- Define the essential characteristics underlying natural ecosyst.
- Explain model population and community-level dynamics.
- Interpret and present ecological results.

- Identify global environmental problems.

Paper 11 Bio-chemistry and Bio- technology

Paper code 6.1(6th sem)

• Get identifie major group of plants and compare Characteristic of higher and lower group of plants.

- Explain various plant process and functions ,metabolism, concept of gene and how organisms function is influenced at cell and organ.
- Describe biocatalysis, pathway engineering, bioprocess control and downstream processing.
- Demonstrate their ability to reason both inductively and deductively with experimental information and data.
- Explain the theory and practice of recombinant DNA technology.
- Handle, store and identify cells in culture.
- Count, identify and assess viability of cells by microscopic examination.

Paper 12 Economic botany

Paper code -6.2 (6th sem)

- Learn about utilization and domestification of crop plant throughout history.
- Investigate many uses of plants by other culture
- Knowledge about Study origin, distribution, botanical description, brief idea of cultivation and economic uses
- Learn about cultivation and economic uses of medicinal
- Participate in plant identification using observation
- Develop knowledge about how spices makes our life interesting .
- Experimantal practices develope knowledge about collection and storage of economic plants .

B. Sc (Computer science) Course outcomes

Semester 1

CSC 101A Basics of computers

- Know the basic components of computer and functionality of each components of computer.
- Know the difference between assembler, compiler and interpreter.
- Know about the various types of memory used in the computer system
- Understand the functions of Operating system.

CSC 101B Logical organisation of computer

Understand different number systems, Coding techniques, Logic gates, Boolean algebra.

- Solve the problem using K-Map.
- Understand different types of sequential and combinational logic.
- Understand adder, subtractor, Comparators and code convertors.
- Understand different coding techniques.
- Designing truth tables for different circuits.

CSC102A Programming in C

Understand the fundamentals of C programming language.

1. Choose the loops and decision making statements to solve the various programming problems.
2. Understand the concept of various types of data handling techniques.
3. Use of modular approach to solve the complex problem
4. Understand the concepts of storage classes.
5. Know about to use recursion to solve the problem in an efficient manner.

Semester 2

CSC102B Computer Networks

Build an understanding of the fundamental concepts of Computer networking.

1. Familiarize the student with the basic taxonomy & terminology of the Computer networking area.
2. Introduce different layers of networking, types of signals and different multiplexing techniques
3. Introduce different data link control protocols
4. Understand basic concepts of Network Security

Semester 3

CSC201A Data and file structures using C

Know the basic components of computer and functionality of all data structures.

1. Learn how to store string in a computer.
2. Study the concepts and utilization of arrays.
3. Study different Storage Classes.
4. Understand the purpose of different data structures.
5. Learn to use Stack, Queue and Linked List.
6. Understand Searching, Sorting and merging algorithm

CSC201B Computer system architecture

- Design and implement different types of Registers and counters.
- Study different memory and I/O devices.
- Study different machine instructions.
- Introduction to instruction cycle, different addressing modes and interrupt structure.

CSC 202A Advanced data and file structure

- Introduction to types of graphs and trees and various functions that can be applied on them
- Study different types of files and file operations
- Introduce different types of file organisation
- Understand the concept of index, levels of index and its organization.

Semester 4

CSC202B Object oriented programming with C++

1. Understand the Basic concepts of object oriented programming languages.
2. Studies concepts of OOPs in C++ like classes, inheritance, polymorphism, and encapsulation.
3. Understand the concept of various types of operators in C++.
4. Learn how operators can be modified to perform various user defined operations by using operator overloading.
5. Understand the concepts of storage classes and scope of variables.
6. Understand the concepts of objects and pointers.
7. Learn functional overloading to create uniform plate-form for the same type of functions.

Semester 5

CSC301A DBMS

1. Have a broad understanding of database concepts & DBMS.
2. Have a high- level understanding of major DBMS components & their function.
3. Be able to model an application data requirements using conceptual modelling tools like
4. ER diagrams & design database schemas based on the conceptual model.
5. Can apply knowledge of computing appropriate to the discipline.
6. They can analyze a problem & identify &define the computing requirements appropriate
7. to its solution.
8. Students can design, implement & evaluate a Computer – based system, process,
9. component or program to meet desired needs.
10. They can use current techniques, skills & tools necessary for computing practice.

CSC301B Operating system

Understand concepts of different types of operating system.

1. Learn the various methods to achieve multiprogramming environment.
2. Understand the concepts of CPU Scheduling.
3. Study how different CPUs work together in multiprocessor environment.
4. Understand how can we prevent and recover from a deadlock.
5. Understand the various methods of process synchronization.

CSC 302A Visual Basic programming

1. Learn about the concept IDE i.e. Integrated development environment using VB, how projects are design using IDE in VB.
2. Learn about basics of programming in VB and to create different programs
3. Learn about various decisions and condition statements and arrays
4. Understand the concepts of loops and nested control structures

CSC303B Software engineering

Understand the basic concept of Software engineering and various matrices to evaluate the parameters.

1. Learn various models for the solution of a problem.
2. Understand the various life cycles in process of software development.
3. Learn about the importance of specifications and Feasibility Study.
4. Study the role of system analyst in designing software.

B.com Hons. I

BCH-111 (Sem 1)

INTRODUCTION TO COMPUTERS

- Know the basic components of computer and functionality of each components of computer
- Know about the various types of memory used in the computer
- Understand the functions of operating system
- Know the basic features of MS-word and concept of Mail Merge, hyperlink and tables
- Understand the concept of worksheet and design the worksheets using different formulas and functions
- Understand the concept of PowerPoint presentation and add different animations and sound effects in a presentation
- Build an understanding of fundamental concepts of computer networks

COURSE OUTCOMES of B.COM (Hons.) Sem. 1

Business Economics (BCH-107):

- To understand the concepts of cost, nature of production and its relationship to Business operations

- To analyze the causes and consequences of different market conditions.

- To understand the concepts related to elasticity of demand

- To understand the theories of demand and their applications in real life world.

Financial Accounting for Business-I (BCH-105):

- Recognize the basic accounting concept and conventions

- Cultivate accounting skills to manage the profits and losses of any trading organization

- Apply the rules of double entry book keeping for the preparation of final accounts

- Understanding various provisions related to depreciation

Business Law-I (BCH-103):

- Understand the rules regarding offer, acceptance, consideration and capacity to contract

- Explaining the rules pertaining to Sale of Goods Act, 1930

- To make students aware about the rights under Consumer Protection Act, 1986

Business Statistics (BCH-101):

- To Estimate the mean and standard deviation of the marginal distribution of the response variable and use this information to inform a business decision

- To make them aware about confidence interval for the slope of the regression line

- To develop the student's ability to deal with numerical and quantitative issues in business

- Understand how to organize and summarize data by using descriptive statistics and appropriate statistical graphics

COURSE OUTCOMES of B.COM (Hons.) Sem 3

Marketing Management (BCH-205):

- Apply managerial roles and managerial skills

- Evaluate different approaches for organizational control

- Recognize the theory of management and manager's role in organization

- To understand the evolution and importance of globalization in today's business world.

Corporate Accounting (BCH-201):

- Understand the concept of amalgamation and applies the accounting standards with respect to Amalgamations and mergers

- Recording journal entries for accounting for share capital

- Equipping students about methods of preparation of final accounts of companies

- Understanding internal reconstruction of Companies.

Corporate Law (BCH-207):

- To introduce the meaning, characteristics and types of Companies

- To clarify Memorandum of Association and Articles of Association

- To familiarize students with the basics of prospectus issued by Companies

- Students will learn about borrowings powers of debentures and charges.

Human Resource Management (BCH-203):

- Students will learn about nature, meaning; approaches for studying human behavior.

- Personality/motivational theories.

- Perceptional theories /learning theories.

- Different aspects memory & forgetting.

COURSE OUTCOMES of B.COM (Hons.) Sem 5

Money and Banking (BCH-5.03):

- Students will be familiarized with the concept of money.

- They will learn the concept of banking system and the institutes associated for the functioning of the banking system.

- Students will be familiarized with the role and functions of RBI.

- Students will learn about the capital market in detail.

Entrepreneurship and Small Scale Business (BCH-5.06):

- Students will be familiarized with role and functions of Entrepreneur.

- After the completion they are able to prepare feasibility reports.

- They will learn the role of government and promotional agencies and institutes in entrepreneurship development.

- Students will learn about the factors which affect success of new business.

Investment Analysis (BCH-5.02):

- Provide understanding to the concept of investment.

- To provide insights for the Stock Exchange

- To introduce the basic concepts of the valuation of securities.

- Students will be familiarized with the concepts of derivatives and options.

Income Tax (BCH-5.05):

- Students will learn the concept of Income, Agricultural Income, and Casual Income.

- Students will be familiarized with the concepts of total income, gross total income, tax planning and tax evasion.

- They will be able to compute tax on the salary.

- Concept related to clubbing and aggregation of Income

Financial Management (BCH-5.01):

- To study nature and scope of Financial Management.

- To study about investment Decision such as Capital Budgeting.

- To Understand Financial decisions ad Divided Decisions.

- To understand working capital management.

Contemporary issues in Commerce (BCH-5.04):

- To acquaint the students with current trends in Corporate Social Responsibility

- To impart knowledge of various approaches of foreign Direct Investment.

- To aware students about rural marketing s-cultural management system

- To make students aware about GST

COURSE OUTCOMES of B.Com (Pass) Sem 1

Business Communication Skills (BCP-109):
- To develop communication skills of students

- To equip students with formal communication techniques for use in corporate world.

- To develop skills of writing business letters/emails/notices/circulars/memos/reports.

- To help students in self-development for better performance in business.

Business Economics (BCP-105):
- Understand the theories of demand and their applications in real world.

- Be clear about the law of the supply and its criticism and evaluate concept of cost.

- Be conversant about the concepts of cost, nature of production and its relationship to Business operations

- Analyze the causes and consequences of different market conditions.

- Grab the understanding of the concepts related to elasticity of demand.

Business Management (BCP-107):

- Apply managerial roles and managerial skills.

- Evaluate different approaches for organizational control.

- Recognize the theory of management and manager's role in organization.

- To understand the evolution and importance of globalization in today's business world.

Financial Accounting for Business-I (BCP-101):

- Recognize the basic accounting concept and conventions

- Cultivate accounting skills to manage the profits and losses of any trading organization

- Apply the rules of double entry book keeping for the preparation of final accounts

- Understanding various provisions related to depreciation

Business Statistics (BCP-103):

- To Estimate the mean and standard deviation of the marginal distribution of the response variable and use this information to inform a business decision

- To make them aware about confidence interval for the slope of the regression line

- To develop the student's ability to deal with numerical and quantitative issues in business

- Understand how to organize and summarize data by using descriptive statistics and appropriate statistical graphics

COURSE OUTCOMES of B.Com (Pass) Sem 3

Business Statistics (3.02):

- To Estimate the mean and standard deviation of the marginal distribution of the response variable and use this information to inform a business decision

- To make them aware about confidence interval for the slope of the regression line

- To develop the student's ability to deal with numerical and quantitative issues in business

- Understand how to organize and summarize data by using descriptive statistics and appropriate statistical graphics

Corporate Accounting I (3.01):

- Providing understanding of the concept of amalgamation and applies the accounting standards with respect to Amalgamations and mergers.

- Making students know how to record journal entries of accounting for share capital.

- Equipping students with methods of preparing final accounts of companies.

- Making students understand internal reconstruction of Companies.

Business Regulatory Framework (3.03):

- The student will learn basic provisions regarding legal frame work governing the business world.

- To know the students with the basic concepts, terms & provisions of Business Laws.

- To develop the awareness among the students regarding these laws affecting trade business, and commerce.

Corporate Law (3.04):

- To introduce the meaning, characteristics and types of Companies

- To clarify Memorandum of Association and Articles of Association

- To familiarize students with the basics of prospectus issued by Companies

- Students will learn about borrowings powers of debentures and charges.

Human Resource Management (3.06):

- Students will learn about nature, meaning; approaches for studying human behavior.

- Personality/motivational theories.

- Perceptional theories /learning theories.

- Different aspects memory & forgetting.

Macro Economics (3.05)

- To familiarize students with basic concepts of macro economics.

- To equip students about Classical & Keynesian theory of income.

- To understand about different business cycles.

- To make students aware about the concept of inflation and ways to measure and control inflation

COURSE OUTCOMES of B.Com (Pass) Sem 5

Entrepreneurship and Small Scale Business (5.05):

- Students will be familiarized with role and functions of Entrepreneur.

- After the completion they are able to prepare feasibility reports.

- They will learn the role of government and promotional agencies and institutes in entrepreneurship development.

- Students will learn about the factors which affect success of new business.

Financial Market Operations (5.04):

- Introducing the working of primary and secondary markets

- Introducing students with the working of Primary and Secondary markets.

- Making students understand derivative trading.

- Familiarizing students with the mechanism of raising funds from international markets

International Business Environment (5.06):

- Provide Understanding of the multidisciplinary nature of environmental studies

- To make students understand about renewable and non-renewable resources

- Cultivate habit of recycling for safeguarding the environment.

- To make students aware about social issues and environment.

Accounting For Management (5.03):

- To equip the students with the ability to analysis interpret and use accounting information in managerial decision making.

- Understanding of the application of accounting techniques for management

- Familiarizing students with the methods of accounting for marginal cost

- Understanding calculations and use of ratios in Companies

Taxation Law-I (5.01):

- Students will learn the concept of Income, Agricultural Income, and Casual Income.

- Students will be familiarized with the concepts of total income, gross total income, tax planning and tax evasion.

- They will be able to compute tax on the salary.

- Concept related to clubbing and aggregation of Income

Cost Accounting-I (5.02):

- Students will learn the concepts related to cost, its classification, methods and techniques.

- Students will be familiarized with the labour cost, methods of wage payment and incentive schemes.

- Students will gain the knowledge about overheads.

- Students will learn how to control cost and how to do cost reduction.

COURSE OUTCOMES of M.COM Sem 1

Managerial Economics (MCM-2105):

- To familiarize students with basic concepts demand and supply

- To equip students about indifference curve analysis

- To understand about different production function

- To make students aware about the concept of price determination in various types of markets

Management Accounting (MCM-2107):

- To develop an understanding of the conceptual framework of the Management Accounting.

- To provide the knowledge in the Management Accounting Techniques in business decision making.

Business Environment (MCM-2103):

- To understand and know the impact of globalization on trade, commerce and industry.

- To learn the growth and development of Indian Industries.

- Provide Understanding of the multidisciplinary nature of environmental studies

- To make students understand about renewable and non-renewable resources

- Cultivate habit of recycling for safeguarding the environment.

- To make students aware about social issues and environment.

Quantitative Techniques for Managerial Decisions (MCM-2109):

- To equip the students with the ability to understand hypothesis testing

- Understanding of the application of non-parametric tests.

- Familiarizing students with the methods of ANOVA.

- Understanding calculations and use of chi square test in data analysis

Principles and Practices of Management

Class M.com 1ʳᵈ Semester

Subject Code: MCM-2101

1. Getting Knowledge about different school of management.
2. Having knowledge about different management functions & skills
3. Deep knowledge about the various functions of management.
4. Learned about the motivation and different approaches.
5. Learned about the various leadership styles and theories of leadership.
6. Learned about the various controlling techniques.
7. Having knowledge about the communication requires in organization along with transaction analysis.

Research Methodology

Class M.com 1ʳᵈ Semester

Subject Code: MCM-2111

1. Getting knowledge about the research process
2. Learn to design the research design for only kind of research study.
3. Learn about how to collect data.
4. Having knowledge about how to analyses the collected data with various statistical tool & techniques.
5. Getting knowledge about how to run ANOVA, Regression, and Correlation using SPSS.
6. How to prepare the report writing.

COURSE OUTCOMES of M.COM Sem 3

Contemporary issues in Commerce (MCM-2203):

- To acquaint the students with current trends in Corporate Social Responsibility

- To impart knowledge of various approaches of foreign Direct Investment.

- To aware students about rural marketing s-cultural management system

- To make students aware about GST

Data Analysis with Statistical Software (MCM-2201):

- To equip the students with the ability to analysis interpret data on MS-Excel and SPSS.

- Understanding of the application of statistical techniques in software.

- Familiarizing students with the methods of hypothesizes testing.

- Understanding calculations and use of SPSS in data analysis.

Advertisement and Sales Management (MCM-2211):

- To acquaint the students with current trends in advertising.

- To impart knowledge of various approaches of consumer behaviour.

- To aware students about personal selling and promotion.

- To make students aware about competition.

Entrepreneurship Development

Class M.com 3rd Semester

Subject Code: MCM-2209

- Course Objective: This course aims to acquaint the students with challenges of starting new venture and enables them to investigate, understand and internalize the process of setting up a business.
- Course Learning Outcome: After the completion of the course, the students will be able to:
- 1. Have the ability to discern distinct entrepreneurial traits
- 2. Know the parameters to assess opportunities and constraints for new business ideas
- 3. Understand the systematic process to select and screen a business idea
- 4. Design strategies for successful implementation of ideas and Write a business plan
- 5. Understanding of legal framework and fund raising techniques for establish a venture.

Accounting Theory

Class M.com 3rd Semester

Subject Code: MCM-2205

- Course Objective: The course aims at acquainting the students with a coherent set of logical principles and a general frame of reference for evaluation and development of sound accounting practices.
- Course Learning Outcome: After the completion of the course, the students will be able to:
- Understand the history of accounting standard-setting in India and other countries as well, and apply this history when explaining the current standard-setting environment.
- Examine the role of the Conceptual Framework in the standard-setting process.
- Have achieved a deeper understanding of selected contemporary issues in accounting.

- be familiar with concepts of theory development and theories of accounting policy choice, measurement of economic income and the societal use of accounting information;
- Have acquired a deeper and more critical appreciation of what defines contemporary accounting practice, and more importantly, what it is that should define the nature, scope and future of accounting;
- Recent developments in financial accounting and reporting.

CBCS Semester III, Indian economy

- Getting insights about features of Indian economy, different problems of Indian economy.
- Get knowledge about the sectoral composition of Indian economy.
- Different economic policies, economic planning, comparison between planning commission and NITI Aayog.
- External Sectors in India.

COURSE OUTCOMES of B.COM Sem 2 (H)

Business Statistics II (BCH - 102)

- To Estimate the mean and standard deviation of the marginal distribution of the response variable and use this information to inform a business decision.

- To make them aware about confidence interval for the slope of the regression line.

- To develop the student's ability to deal with numerical and quantitative issues in business.

- Understand how to organize and summarize data by using descriptive statistics and appropriate statistical graphics.

Financial Accounting for Business II (BCH - 106)

- Illustrate the accounting procedures of death and insolvency of a partner.

- Cultivate accounting skills under hire purchase.

- Relate the accounting procedures relating to admission and death of partners.

- Cultivate accounting skills under branch accounting system.

Business Economics II (BCH – 108)

- To familiarize students with basic concepts of macro economics.

- To equip students about Classical & Keynesian theory of income.

- To understand about different business cycles.

- To make students aware about the concept of inflation and ways to measure and control inflation

Business Management (BCH – 112)

- Apply managerial roles and managerial skills.

- Evaluate different approaches for organizational control.

- Recognize the theory of management and manager's role in organization.

- To understand the evolution and importance of globalization in today's business world.

Business Law II (BCH-104)

- Students can Identify the legal constraints faced by the business professional as well as the legal options available to the business professional in responding to and resolving legal issues.

- Apply the global business laws to current business environment

- Integrate concept of business law with foreign trade

- Understand about the partnership act rules and regulations

Linguistic Proficiency in English (BCH-110)

COURSE OUTCOMES of B.COM Sem 4 (H)

Cost Accounting (BCH – 202)

- Students will learn the concepts related to cost, its classification, methods and techniques.

- Students will be familiarized with the labour cost, methods of wage payment and incentive schemes.

- Students will gain the knowledge about overheads.

- Students will learn how to control cost and how to do cost reduction.

Advertising and Sales Management (BCH -204)

- To acquaint the students with current trends in advertising.

- To impart knowledge of various approaches of consumer behaviour.

- To aware students about personal selling and promotion.

- To make students aware about competition.

Corporate Law II (BCH - 206)

- To understand about the types of meetings conducted in the company

- To know about the number of members in company and transferability of shares and debentures

- To make them aware about the amalgamation and reconstruction of company.

- To make them aware about the company management and reconstruction policies.

Entrepreneurship Development (BCH – 208)

- Students will be familiarized with role and functions of Entrepreneur.

- After the completion they are able to prepare feasibility reports.

- They will learn the role of government and promotional agencies and institutes in entrepreneurship development.

- Students will learn about the factors which affect success of new business.

Indian Economy Performance and Policies (BCH-210)

COURSE OUTCOMES of B.COM Sem 6 (H)

Accounting for Management (BCH-6.01)

- To equip the students with the ability to analysis interpret and use accounting information in managerial decision making.

- Understanding of the application of accounting techniques for management.

- Familiarizing students with the methods of accounting for marginal cost.

- Understanding calculations and use of ratios in Companies.

Project Planning and Management (BCH-6.02)

Income Tax Law and Administrartion (BCH – 6.03)

- Understanding Deductions under Section 80.

- Computation of Total Income and Tax Liability.

- Procedure for Assessment.

- Understanding the Recovery of Tax and Refund of Tax.

Human Resource Management (BCH-6.04)

- Students will learn about nature, meaning; approaches for studying human behavior.

- Personality/motivational theories.

- Perceptional theories /learning theories.

- Different aspects memory & forgetting.

Business Environment and International Business (BCH-6.05)

- Explain the concepts in custom clearance in international business with respect to foreign trade

- Apply the current custom clearance phenomenon and to evaluate the global business environment in terms of economic, social and legal aspects

- Handle documentation procedures during International business

Retail Management and Sales Procedures (BCH-6.06)

- Knowledge of all functional areas of retailing

- To give an account of essential principles of retailing

- To give a perspective of the Indian retailing scenario

- Articulate and implement industry standard approaches to the site selection, store planning and visual merchandising.

COURSE OUTCOMES of B.COM Sem 2 (Pass)

Business Statistics II (BCP - 104)

- To Estimate the mean and standard deviation of the marginal distribution of the response variable and use this information to inform a business decision.

- To make them aware about confidence interval for the slope of the regression line.

- To develop the student's ability to deal with numerical and quantitative issues in business.

- Understand how to organize and summarize data by using descriptive statistics and appropriate statistical graphics.

Financial Accounting - II (BCP- 102)

- Illustrate the accounting procedures of death and insolvency of a partner.

- Cultivate accounting skills under hire purchase.

- Relate the accounting procedures relating to admission and death of partners.

- Cultivate accounting skills under branch accounting system.

Business Economics II (BCP – 106)

- To familiarize students with basic concepts of macro economics.

- To equip students about Classical & Keynesian theory of income.

- To understand about different business cycles.

- To make students aware about the concept of inflation and ways to measure and control inflation

Environmental Studies (BCP-114)

- Understanding the multidisciplinary nature of environmental studies

- To make students understand about renewable and non-renewable resources

- Cultivate habit of recycling for safeguarding the environment

- To make students aware about social issues and environment

Business Management – II (BCP – 108)

- Apply managerial roles and managerial skills.

- Evaluate different approaches for organizational control.

- Recognize the theory of management and manager's role in organization.

- To understand the evolution and importance of globalization in today's business world.

Business Environment and Indian Economy (BCP – 110)

Statistical Analysis with MS Excel (BCP- 112)

- To equip the students with the ability to analysis interpret data on MS-Excel and SPSS.

- Understanding of the application of statistical techniques in software.

- Familiarizing students with the methods of hypothesizes testing.

- Understanding calculations and use of SPSS in data analysis.

COURSE OUTCOMES of B.COM Sem 4 (Pass)

Corporate Accounting II (4.01)

- The main objective of this subject to provide the knowledge of companies, Shares and regulatory of companies.

- This subject describes the pattern of final accounts of the company.

- It provides the knowledge of issue of shares.

- It also provides the methods of valuation of goodwill and shares.

Business Statistics (4.02)

- To Estimate the mean and standard deviation of the marginal distribution of the response variable and use this information to inform a business decision

- To make them aware about confidence interval for the slope of the regression line

- To develop the student's ability to deal with numerical and quantitative issues in business

- Understand how to organize and summarize data by using descriptive statistics and appropriate statistical graphics

Business Regulatory Framework (4.03)

- To understand about mercantile law

- To know about the sales of goods act.

- To make them aware about the law of agency and special contracts of bailment

- To make them aware about competition act, consumer protection act, environment protection act, information technology act.

Corporate Law II (4.04))

- To understand about the types of meetings conducted in the company

- To know about the number of members in company and transferability of shares and debentures

- To make them aware about the amalgamation and reconstruction of company.

- To make them aware about the company management and reconstruction policies.

Marketing Management (4.05)

- To study about marketing environment and marketing mix

- To understand the Marketing Information System

- To know about pricing of product

- To learn about promotion mixes in marketing

Banking and Banking Law (4.06)

- Students will be able to demonstrate a comprehension of the principles of Banking laws and its relationship to banks and customers.

- Analyzing the Indian Banking system and its recent trends.

- Integrate process according to the functioning of Reserve Bank of India and commercial banks.

- To make the students comprehend, the latest offerings and the day to day operations in Banking.

COURSE OUTCOMES of B.COM Sem 6 (Pass)

Taxation Law – II (6.01)

- Understanding Deductions under Section 80.

- Computation of Total Income and Tax Liability.

- Procedure for Assessment.

- Understanding the Recovery of Tax and Refund of Tax.

Cost Accounting (6.02)

- Students will learn the concepts related to cost, its classification, methods and techniques.

- Students will be familiarized with the labour cost, methods of wage payment and incentive schemes.

- Students will gain the knowledge about overheads.

- Students will learn how to control cost and how to do cost reduction.

Financial Management (6.03)

1. To study nature and 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.

Auditing (6.04)

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.

Goods and Services Tax and Custom Law (6.05)

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.

International Marketing (6.06)

1. To make students aware about the international trade and international marketing.

2. To understand about the promotion and advertising concepts on an international level.

3. To develop critical skills among students for developing strategies for international companies.

4. Understanding the pricing effects in international market.

COURSE OUTCOMES of M.COM Sem 2

Organizational Behavior (MCM-2102)

1. Students will learn human Behavior at Workplace, Factors affecting human behavior at Workplace.

2. To Understand Group Dynamics At work Place, how the different group performance is managed at work place.

3. Team Building at Workplace, and how team building helps affects organization.

4. Inter personal communication at Workplace, feedback process.

Financial Management (MCM-2104)

1. To study nature and 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.

Statistical Analysis for Business (MCM-2106)

1. To understand about descriptive statistics and inferential statistics.

2. To know about the statistical analysis for decision making.

3. To make them aware about the interpretation of statistical results.

Auditing (MCM-2108)

1. Introducing basic concepts of auditing, need and importance of auditing. To understand the conceptual framework that is applied by audit professionals to assess, evaluate, and manage audit risks and evidence

2. Understanding the auditing procedures.

3. Equipping the students with the process of preparing the audit reports.

Marketing Management (MCM-2110)

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

4. To understand the evolution and importance of globalization in today's business world.

Human Resource Management (MCM-2112)

1. Students will learn about nature, meaning; approaches for studying human behavior.

2. Personality/motivational theories.

3. Perceptional theories /learning theories.

4. Different aspects memory & forgetting.

COURSE OUTCOMES of M.COM Sem 4

Corporate Tax Planning (MCM-2202)

1. To study tax evasion, avoidance, planning and management.

2. Tax planning with reference to nature, size and form of business.

3. Tax incentives for free trade zones, infrastructure sector, backward zones.

4. Tax issues related to amalgamation.

Strategic Management (MCM-2204)

1. To study strategic management process.

2. Hierarchy of strategic intent.

3. To Understand environment and organization appraisal.

4. To understand strategy formulation.

Financial Statement Analysis (MCM-2206)

1. Overview of Financial Reporting, Financial Statement Analysis, and Valuation

2. Asset and Liability Valuation and Income Recognition

3. Income Flows versus Cash Flows: Understanding the Statement of Cash Flows

4. Profitability Analysis

Business Law (MCM-2208)

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 to and resolving 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.

Principles of Banking and Insurance (MCM-22010)

1. Students will be able to demonstrate a comprehension of the principles of Banking laws and its relationship to banks and customers.

2. Analyzing the Indian Banking system and its recent trends.

3. Integrate process according to the functioning of Reserve Bank of India and commercial banks.

4. To make the students comprehend, the latest offerings and the day to day operations in Banking.

CBCS- SEMESTER 4TH, Business Statistics

1. Getting the knowledge about different central tendencies.

2. Learn how to measure the dispersion.

3. Learn about correlation, regression analysis.

4. Data analysis techniques, data collection methods.

5. To make the students comprehend about the sampling fundamentals.

6. Probability theory

7. Understanding of the different hypothesis testing tests.