

DAV CENTENARY COLLEGE, FARIDABAD
Accredited Grade ‘A’ by NAAC
Index – POs, PSOs & Cos

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Programme Outcomes (POs) - General Higher Education Under Graduate Programs

PO1: Rational Thinking: Scan, Receive, Filter and apply such information in understanding thinking rationally and reach logically solutions to the impending problems.

PO2: Effective Communication: Proficiency in English and Hindi language in order to read, write and speak while developing communication skills to comprehend and present the ideas. Also learning use of ICT in communication.

PO3: Transaction Skills: Effectively dealing with people at individual or group/team level with appropriate stance.

PO4: Contributing towards Society and Nation: To develop ability to serve and contribute towards the society and nation through understanding of issues, developing opinions and constructive work with equal awareness of rights and duties and a strong civic sense.

PO5: Values and Ethics: To develop and empathic attitude towards all beings as well as nature and also inculcating the values like honesty, integrity, commitment, trust and a strong sense of fair play.

PO6: Concern for Environment and Sustainable Development: Creating awareness about sacredness of environment and imperative need for sustainable development.

PO7: Inculcating Self Learning Ability: To be able to grasp and adopt newer knowledge and skills on the strength on their own understanding.

Programme Specific Outcomes (PSOs) of ProgramBCA

- To provide a foundation of computing principles and business practices for effectively managing information system and enterprise software.
- A platform for application development, system testing and maintenance.
- To enable the students to have a holistic and all round grooming through professional in the field of IT.
- Ability to understand and analyse a given real world problem and propose feasible computing solutions.
- Ability to transform complex business scenarios and contemporary issues into problem, investigate understand and propose integrated solutions using emerging technologies.
- Inculcate leadership and managerial skills with best professional ethical practices and social concern and will be able to communicate technical information effectively.

Course Outcomes (COs) Of Program BCA

S.No.	Name of the Course	Course Code	Course Outcome	Theory Marks	Practical Marks	Project Work Marks	Total Marks
CO1	Computer and Programming Fundamentals	BCA-101	<ul style="list-style-type: none"> • Learned basic concepts of computer, generations & computer memory. • Using hardware & software of computer efficiently. • Understanding types of computer languages & structured programming concepts. • Using networking concepts. 	80	20		100
CO2	PC Software	BCA-102	<ul style="list-style-type: none"> • Helps in visual representation of computer using MS-Windows. • Helps to improve documentation skills (MS-Word). • Improve calculations and proficient in spreadsheet presentations (MS-Excel). • Ability to develop Interactive presentations using MS-PowerPoint. 	80	20		100
CO3	Mathematics	BCA-103	<ul style="list-style-type: none"> • Set theory, determinants & matrices helps in mathematical analysis. • Relation and functions used to analyze the type of function. • Derivatives help in many engineering & science problems & focuses on modeling behavior of moving objects. • Focuses on setting parameters and establishes continuity of learning across the years and levels. 	80	20		100

CO4	Logical Organization of Computer-I	BCA-104	<ul style="list-style-type: none"> • Learning and applying different types of number systems and BCD codes • Helps in solving and reducing number of variables by Boolean algebra. • Implementation of digital circuits using Logical Gates. • Applying arithmetic as well as Boolean operations. 	50	50		100
CO5	Practical Software Lab based on BCA-102	BCA-105	<ul style="list-style-type: none"> • Visualizing Windows. • Practical implementation of MS-Office tools in editing, presentation and problem solving. 	80	20		100
CO6	C Programming	BCA-106	<ul style="list-style-type: none"> • Helps in decision making. • Ability to understand fundamentals of computer theories. • Analyzing structured programming. 	80	20		100
CO7	Logical Organization of Computer-II	BCA-107	<ul style="list-style-type: none"> • Understanding & designing of electronic circuits. • Implementation of analog electronics. • Addressing instructions & modes for assembly programming. 	80	20		100
CO8	Mathematics Foundations of Computer Science	BCA-108	<ul style="list-style-type: none"> • Use the frequency of data in different fields of science. • Graph theory & binary search helps in problem solving method analysis. • Introduced digital technologies used in computer science. • To introduce basic numerical ability in computer science analysis. 	80	20		100

CO9	Structured System Analysis and Design	BCA-109	<ul style="list-style-type: none"> • Learning concept of system & its types. • Helps to produce high quality software. • Tools of structured analysis. • Learning various testing techniques. 	80	20		100
CO10	Practical Software Lab based on BCA-106	BCA-110	<ul style="list-style-type: none"> • Learning procedural programming. • Develop logical ability. • Implementation of searching & sorting techniques. 	50	50		100
CO11	Introduction to OperatingSystem	BCA-201	<ul style="list-style-type: none"> • Learning basic concepts of operating system. • Focuses on various Job scheduling techniques • Memory management for better utilization of memory. • Learning File management. 	80	20		100
CO12	Data Structure –I	BCA-202	<ul style="list-style-type: none"> • Helps in data organization. • Implementation of linked list and Arrays • Deep learning of stacks & queue. • Learning graphical representation of data. 	80	20		100
CO13	Introduction to Database Systems	BCA-203	<ul style="list-style-type: none"> • Storing & organizing of data. • Analyzing architecture of database. • Learning ER-Models & establishing relation between different entities. • Focuses on reducing redundancy & SQL queries. 	80	20		100

CO14	Communication Skills(English)	BCA-204	<ul style="list-style-type: none"> • Able to relate oneself with communication skills. • Improvement in behavior. • Developed interview skills. • Dealt with public phobia. 	80	20		100
CO15	Practical Software Lab based on BCA-202 & 203	BCA-205	<ul style="list-style-type: none"> • Creating of database and implementation of various queries. • Implementation of algorithms. 	80	20		100
CO16	Web Designing	BCA-206	<ul style="list-style-type: none"> • Learning HTML tags. • Creating Web pages • Designing forms and frames. 	50	50		100
CO17	Data Structure – II	BCA-207	<ul style="list-style-type: none"> • Learned data representation using various types of Trees and its operations. • Calculation of shortest Path using algorithms to reduce time & cost. • Learning various hashing algorithms to reduce addressing conflicts. 	80	20		100
CO18	Object Oriented Programming using C++	BCA-208	<ul style="list-style-type: none"> • Learn concepts of OOPS. • To catch & resolve logical errors. • Enhancement of various operators. • Reusability of codes using Inheritance. 	80	20		100
CO19	Software Engineering	BCA-209	<ul style="list-style-type: none"> • Analyzing various data models • Learning various phases of software design. • Re-engineering & reverse engineering. 	80	20		100

CO20	Practical Software Lab based on BCA-206 & 208	BCA-210	<ul style="list-style-type: none"> • Creating & designing web pages • Implementation of classes, Inheritance, polymorphism, operator overloading etc. • To catch & handle errors using exception handing. • Ability to write generic programming using templates. 	80	20		100
CO21	Management Information System	BCA-301	<ul style="list-style-type: none"> • Evaluate the role of information system in business environment. • Interpret information system in enterprise. • Learning relationship relating organization, Information system, management & strategy. 	80	20		100
CO22	Computer Graphics	BCA-302	<ul style="list-style-type: none"> • Using geometric transformation & their applications. • Explore projection & visible surface detection techniques. • Creating animation, scientific modeling & other commercial art. 	80	20		100
CO23	Data Communication and Networking	BCA-303	<ul style="list-style-type: none"> • Identification of topologies & protocols. • Cost effective resource sharing. • Identification of network devices & their functions. • Learning hardware, software & file sharing. 	50	50		100
CO24	Visual Basic	BCA-304	<ul style="list-style-type: none"> • Learning event driven programming. • Implementations of control arrays. • Design multiple document interfaces. • Designing menu editor tools. 	80	20		100

CO25	Practical Software Lab based on BCA-304	BCA-305	<ul style="list-style-type: none"> • Designing of applications using toolbox controls. • Learn single document & multiple document interfaces. • Implementation of various form methods & events. 	80	20		100
CO26	E-Commerce	BCA-306	<ul style="list-style-type: none"> • Analyze the impact of E-commerce on business models & strategy. • Evaluate E-commerce markets & transactions including supply chain. • Learning inventory management. 	80	20		100
CO27	Object Technologies and Programming using Java	BCA-307	<ul style="list-style-type: none"> • Learning OOPs concepts. • Concept of inheritance • Understanding packages & uses. • Implementing interfaces & exception handling. 	80	20		100
CO28	Artificial Intelligence	BCA-308	<ul style="list-style-type: none"> • Understanding AI applications in real world. • Understanding natural language processing. • Explore AI in problem solving, Inference knowledge & learning. • Understanding expert systems & AI languages. 	50	50		100
CO29	Introduction to .Net	BCA-309	<ul style="list-style-type: none"> • Learning .Net platform and its architecture. • Able to use class libraries in .Net platform. • Concept of operators and expressions. • Understanding advance features of C#. 	80	20		100

CO30	Practical Software Lab based on BCA-307 & 309	BCA-310	<ul style="list-style-type: none">• Learning object oriented applications.• Implementation of packages, Interfaces & exception handling.• Developing .Net run-time programs.	80	20		100
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Programme Specific Outcomes (PSOs) of Program BBA

- Understand the principles of management.
- Understand and appreciate the role and functions of a manager.
- To be able to learn the allied interdisciplinary subjects related to management.
- To develop a professional attitude.
- To be able to apply the acquired knowledge in managing in organizational context.
- To be able to solve managerial problems through research work.

Course Outcomes (COs) of Program BBA

S.No.	Name of the Course	Course Code	Course Outcome	Theory Marks	Practical Marks	Project Work Marks	Total Marks
CO1	Business Organization	BBAN 101	<ul style="list-style-type: none"> • The concept of business, commerce & trade. • To study the various forms of business organization. • The concepts of entrepreneurship and the selection of suitable business. • To study the government interface & government infrastructure. 	80	20		100
CO2	Business Mathematics	BBAN 102	<ul style="list-style-type: none"> • Learning concept of profit, loss, interest and annuities. • To learn set theory and data progression. • Learn permutation, combination, binomial and quadratic equation. • Learn determinants, matrices, calculus, and their application in managerial decision making. 	80	20		100
CO3	Financial Accounting	BBAN 103	<ul style="list-style-type: none"> • Introduction to accounting and accounting process with relevant formats and principles. • To study the preparation of final account with adjustment and rectification of error's. • To study bank reconciliation statement, Account of non- profit organization and system of single entry. • To understand joint venture accounts and consignment accounts. 	80	20		100

CO4	Computer Fundamentals	BBAN 104	<ul style="list-style-type: none"> • To learn about basic about computer. • To get knowledge about all types of number system. • To know the working of operating system. • Empresses the use of computer in different areas. 	50	50		100
CO5	Business Communication	BBAN 105	<ul style="list-style-type: none"> • To understand the various concept of communication. • To understand the skills of communication. • How to write the formal letters. • To understand the various concepts of business reports. 	80	20		100
CO6	Micro-Economics for Business Decisions	BBAN 106	<ul style="list-style-type: none"> • To provide clear analysis of concept of micro-economics & understanding the application of its tools. • Understanding the behavior of procure in short sum & long sum subjected to different condition & making of importable decision regarding their firms. • To differentiate various forms market & understanding the equilibrium attained in cache of them. • Understanding in depth the role and theories of different factors of production. 	80	20		100

CO7	Principles of Management	BBAN 201	<ul style="list-style-type: none"> • To understand the role of business Mgt. and challenges. • To describe the types of planning and its types. • To understand the leadership theories through business organization. • To understand the process of controlling in business through various controlling methods. 	80	20		100
CO8	Macro-Economic Analysis and Policy	BBAN 202	<ul style="list-style-type: none"> • Detail understanding of concept of micro-economics & application of its various tools to derive equilibrium. • Understanding the behavior of consumption pattern under macro analysis supported by various theories of consumption. • To understand goals and working of fiscal policy with its tools (public debt & taxes including types & Incidence). • Analysis of working of monetary authorities through monetary policy and credit creation and their affect an economy. 	80	20		100
CO9	Company Accounts	BBAN 203	<ul style="list-style-type: none"> • To understand basic accounting of share capital transactions, buy back of share, acquisition of business and profit prior to incorporation. • To understand issue and redemption of debentures and underwriting of share and debentures. • To learn about various accounting standards, preparation of final account of companies and liquidation of company. 	80	20		100

			<ul style="list-style-type: none"> To understand the methods of valuation of shares and goodwill of company, accounts of Banking and Insurance Companies. 				
CO10	Computer Applications in Management	BBAN 204	<ul style="list-style-type: none"> To understand the basic terms of operating system classification of computers and networking. To give knowledge about IP address, Web hosting and web Publishing. To aware about information System for decision making. To understand the basic terms of multimedia application. 	50	50		100
CO11	Organizational Behavior	BBAN 205	<ul style="list-style-type: none"> To understand the concepts of org behavior. To understand the individual behavior, perception, attitudes etc. To understand the group behaviors and teams and teamwork. To understand the org. processes 	80	20		100
CO12	Business Statistics	BBAN 206	<ul style="list-style-type: none"> To learn the concept of data classification & tabulation and presenting the data diagrammatically. Apply the science of averages and variation of data. Understand and apply bi-variate analysis techniques like correction and regression. Learning expression of multiple variables in the form of index number and forecasting techniques. 	80	20		100
CO13	Cost and	BBAN	<ul style="list-style-type: none"> To introduce concepts of 	80	20		100

	Management Accounting	301	<p>cost accounting, elements of cost, material control and fixation of inventory levels.</p> <ul style="list-style-type: none"> • To learn about labour cost control, various wage payment systems, overheads, various methods of costing (Job, batch, contract, process) • To learn about various aspects of management accounting, responsibility accounting, budgeting. • To know about financial statement & its techniques & basic capital budgeting techniques. 				
CO14	Marketing Management	BBAN 302	<ul style="list-style-type: none"> • To learn the concepts of marketing, marketing mix environment. • Study of consumer behavior, working with consumer market. • Marketing decision on product, Price, Place and Promotion. • Learn concept of supply chain management and consumer relationship marketing. 	80	20		100
CO15	Capital Markets	BBAN 303	<ul style="list-style-type: none"> • To introduce basics of developed capital market. • To understand the categorization of capital market into primary and secondary market. • To depository system in India and also function & instruments related to debt market. • To learn the concepts of Mutual Fund and various development banks and financial institutions. 	80	20		100
CO16	Introduction to	BBAN	<ul style="list-style-type: none"> • Toolbars, Menus, editing 	50	50		100

	Information Technology	304	<ul style="list-style-type: none"> & formatting in MS-Word. • Creating, formatting worksheets & graphs in MS- Excel. • Creating &enhancing slides in Power-Point. • Creation of company &groups in tally. 				
CO17	Environment Studies	BBAN 305	<ul style="list-style-type: none"> • To understand the environment studies-nature, scope etc. • To understand the ecosystem and their types. • To understand the social issues in environment. • To understand the environment legislation. 	80	20		100
CO18	Disaster Management	BBAN 306	<ul style="list-style-type: none"> • To study the concept of structure of atmosphere classification of clouds and composition of earth etc. • To understand the depletion of natural capital and what are the causes of disaster. • To study the various natural disaster like flood, landslides, costal hazarder etc. • To understand the various geographical disturbance. 	80	20		100
CO19	Financial Management	BBAN 401	<ul style="list-style-type: none"> • To know the objectives and functions of financial management. • To take the long term financial decisions by taking capital budgeting methods. • To analyze and take decision about the capital structure decision. • To take the working capital, dividend decision and evaluate the inventory receivable and cash management. 	80	20		100
CO20	Human	BBAN	<ul style="list-style-type: none"> • To learn the basic concept 	80	20		100

	Resource Management	402	<p>of HRM, and outsourcing of BPOs and KPOs.</p> <ul style="list-style-type: none"> • To know the concept of hiring, selecting and placement of the employees. • To learn the methods of training for the retention of the employees. • To learn the evaluation of performance of the employees and their salary structure. 				
CO21	Business Research Methods	BBAN 403	<ul style="list-style-type: none"> • To understand the value and ingredients of research and research proposal. • To learn various research design and measurement concept. • To learn about sample design, methods and data collection. • To learn application of statistical techniques and preparation of reports in the context of business research. 	80	20		100
CO22	Business Laws	BBAN 404	<ul style="list-style-type: none"> • To study about the various law of contract. • To learn about the rights and duties of various parties like bailey, pledger, pledgee etc. • To study the contract of agency and law of sale of goods. • To study the various act like Negotiable instrument RTI Act 2005 	80	20		100
CO23	Data Base Management System	BBAN 405	<ul style="list-style-type: none"> • Data dictionary, DBA, Database languages & DBMS structure. • Database Architecture, Data Models. • Firewalls, database 	50	50		100

			<p>recovery & distributed database.</p> <ul style="list-style-type: none"> • Data mining, Digital Libraries, Multimedia, spatial & Mobile database. 				
CO24	Human Rights and Values	BBAN 406	<ul style="list-style-type: none"> • To study the concept of human rights. • To understand the deprivation of human rights and what is the core issues- poverty, overpopulation, illiteracy etc. • To study the redressal mechanisms for human rights violations. • To understand the concept of human value. 	80	20		100
CO25	Production and Materials Management	BBAN 501	<ul style="list-style-type: none"> • To understand the production process and importance of plant location. • Inventory management and its role with EOQ factors. • Purchase and control mgt. with standardization, simplification and value analysis • To understand the role of store management and surplus material. 	80	20		100
CO26	Company Law	BBAN 502	<ul style="list-style-type: none"> • To understand the incorporation of company by the use of MOA, AOA and prospectus. • To understand the concept of shares and debentures. • To understand the meeting of a company like annual general meeting, extraordinary GMS statutory meeting. • To make understand the concept of winding up. 	80	20		100

CO27	Indian Business Environment	BBAN 503	<ul style="list-style-type: none"> • To know the determinants, economic system and social responsibility of business environment. • To study the licensing policy and industrial sickness. • To know the role of SEBI, challenges facing public sector banks and non-bank financial institutions. • To study the role of FDI, MCSs and impact of (IMF, World Bank and WTO). 	80	20		100
CO28	Computer Networking & Internet	BBAN 504	<ul style="list-style-type: none"> • To understand the various concepts of network and media. • To understand the network model and protocols. • To learn about internet and its applications. • To understand the internet concepts and its application in business. 	50	50		100
CO29	Presentation Skills and Personality Development	BBAN 505	<ul style="list-style-type: none"> • To learn the concept of presentation and types of presentation. • To know the methods of presentation and outcomes of presentation. • To know the concept of personality and its determinants. • To know the concept of personality. 	80	20		100
CO30	Cyber Security	BBAN 506	<ul style="list-style-type: none"> • To understand the concepts of information knowledge society. • To understand the concept of cyber terrorism, its role and consequences. • To study different types of cyber crime. • To study concept of inform security and cyber disaster planning. 	80	20		100

CO31	Summer Training Report	BBAN 507	<ul style="list-style-type: none"> • To understand the industrial aspects of a particular area of management or computer as to develop the research and practical skills. • To make students learn various aspects of research methodologies. 			100	100
CO32	Income Tax	BBAN 601	<ul style="list-style-type: none"> • To understand basic concept of income tax, assesses residential status with incidence of tax liability and exempted income. • To understand the concept of various heads of income. • To study the concept of clubbing of income, set off and carry forward of losses and deduction of tax at source. • To understand the concept of assessment of tax liability of individual and various deduction from gross total income. 	80	20		100
CO33	System Analysis & Design	BBAN 602	<ul style="list-style-type: none"> • Introduction to analysis & design, SDLC & system analyst. • Design of application or software. • Logical design to physical implementation of software. • Introduction to distributed data processing and real time system with explanation of state transition diagrams. 	80	20		100
CO34	Foundations of International Business	BBAN 603	<ul style="list-style-type: none"> • To understand the international bus. • To understand the foreign market entry modes. 	80	20		100

			<ul style="list-style-type: none"> • To understand the product and branding in foreign market. • To understand the A/C differences across countries. 				
CO35	Consumer Protection	BBAN 604	<ul style="list-style-type: none"> • Concept of consumer protection and consumer rights. • Measures for consumer protection in India and basic provisions of Consumer Protection Act (CPA)1986. • Role of voluntary consumer organizations and Competition Act 2002. • Details of recent developments in consumer protection movement. 	80	20		100
CO36	E-Commerce	BBAN 605	<ul style="list-style-type: none"> • To understand the concepts of online transactions, E-Commerce models. • To study various electronic payment methods. • To study various application of E-commerce. • To understand the concept of virtual organization and security methods in E-commerce. 	50	50		100
CO37	Project Report	BBAN 606	<ul style="list-style-type: none"> • To understand the various aspects of a particular area of management or computer as to develop the research and practical skills. • To make students learn various aspects of research methodologies. 			100	100

CO38	Comprehensive Viva-voce		<ul style="list-style-type: none">• To understand the overview of various subjects learned during three-year degree course.			100	100
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Programme Specific Outcomes (PSOs) of Program BBA (CAM)

- Understand the principles of management.
- Understand and appreciate the role and functions of a manager.
- To be able to learn the allied interdisciplinary subjects related to management.
- To develop a professional attitude.
- To be able to apply the acquired knowledge in managing in organizational context.
- To be able to solve managerial problems through research work.
- To learn and apply the use of computers and IT knowledge and skills in management.

Course Outcomes (COs) of Program BBA- CAM

S.No.	Name of the Course	Course Code	Course Outcome	Theory Marks	Practical Marks	Project Work Marks	Total Marks
CO1	Conceptual Foundation of Management	BCAM N 101	<ul style="list-style-type: none">• To understand the various concepts of management.• To understand the planning process.• To learn the organization concepts.• To study the concepts of directing & controlling.	80	20		100
CO2	Business Economics	BCAM N102	<ul style="list-style-type: none">• To understand the application of various concepts of economics in the field of businesses.• Understanding the behavior of producer under different case-condition & revenue earned.• Learning the differences among various categories of market.• To understand the application of various microeconomic tools & their effect on businesses & their profitability.	80	20		100

CO3	Mathematics for Managers	BCAM N103	<ul style="list-style-type: none"> • Learning concept of profit, loss, interest and annuities. • To be able to solve surds, bidicer, loges, linear, quadratic and simultaneous equations. • To learn set theory and data progression. • Learn determinants, matrices, calculus, and their application in managerial decision making. 	80	20		100
CO4	Financial Accounting	BCAM N104	<ul style="list-style-type: none"> • To know the concept, nature, role of financial accounting & accounting principles. • To study the financial accounting process, journal, ledger, subsidiary and trial balance. • To analyze the financial statement and reconciliation of bank accounts. • To calculate the depreciation and accounting for NPO 	50	50		100
CO5	Introduction to Computers	BCAM N105	<ul style="list-style-type: none"> • To learn about basic peripherals of computer. • Deep study about the number system. • Working with MS-Office. • Different views of computer in different areas. 	50	50		100

CO6	Business Environment	BCAM N201	<ul style="list-style-type: none"> • To understand about Indian business system in detail. • To know about different policies of India. • To know about Indian banking system, SEBI&RTI Act 2005, Stock Exchange. • To learn about International organization (WTO, IMF, World Bank), MNCs. 	80	20		100
CO7	Organization Behavior	BCAM N202	<ul style="list-style-type: none"> • To know the concept & scope and foundation of OB. • To study the Personality and Understanding the values attitudes and learning also. • To know the interpersonal communication & team and Power & Politics. • To study the Organization Structure, design and stress management. 	80	20		100
CO8	Business Statistics	BCAM N203	<ul style="list-style-type: none"> • Learn concept of statistics, computerization, averages and dispersion. • Understand bivariate analyses like correlation and regression. • Learning expression of multiple variables in the form index number and forecasting techniques. • Learning basic probability techniques distribution and sampling methods. 	80	20		100

CO9	System Analysis and Design	BCAM N204	<ul style="list-style-type: none"> • Introduction to analysis & design, SDLC& system analyst. • Design of application or software. • Logical design to physical implementation of software. • Introduction to distributed data processing and real time system with explanation of state transition diagrams. 	80	20		100
CO10	Operating System and Networking	BCAM N205	<ul style="list-style-type: none"> • To study operating system, types of operating system and function of operating system. • To study input/output goals, device driver, UNIX and LINUX (basic commands in UNIX). • To learn about different programming languages. • To make students learn about basic of networking. 	50	50		100
CO11	Cost and Management Accounting	BCAM N206	<ul style="list-style-type: none"> • To introduce concepts of cost accounting, elements of cost, material control and fixation of inventory levels. • To learn about labor cost control, various wage payment systems, overheads, various methods of costing (Job, batch, contract, and process). • To learn about various aspects of management accounting, responsibility accounting, budgeting. 	80	20		100

CO12	Human Resource Management	BCAM N301	<ul style="list-style-type: none"> • To study the concept of HR planning HR needs, recruitment, selection, training & development. • To study wage and salary administration. • To learn the concepts of employee health and safety. • The concept of industrial relation. 	80	20		100
CO13	Financial Management	BCAM N302	<ul style="list-style-type: none"> • To know the objectives and functions of financial management. • To take the long term financial decisions by taking capital budgeting methods. • To analyze and take decision about the capital structure decision. • To take the working capital, dividend decision and evaluate the inventory receivable and cash management. 	80	20		100
CO14	Marketing Management	BCAM N303	<ul style="list-style-type: none"> • Introduction to marketing, marketing mix and product mix. • Study of place and sallo force decisions • Marketing decisions on promotion. • Concepts of international marketing, marketing research. 	80	20		100
CO15	Production Management	BCAM N304	<ul style="list-style-type: none"> • To understand basic concept of production management, production system and plant locating and plant layout. 	80	20		100

			<ul style="list-style-type: none"> • To study production planning and control, inventory control and concepts of quality control. • To understand basic concept of material management and standardization, simplification and variety reduction. • To understand the basic concept of store management classification and codification and transportation management. 				
CO16	Internet Technology	BCAM N305	<ul style="list-style-type: none"> • Introduction to networking. • To learn about electronic communication tools. • Introduction to internet and extranet. • To study about HTML, DHTML, Web designing tools and technologies. 	50	50		100
CO17	Disaster Management	BCAM N306	<ul style="list-style-type: none"> • To study the concept of structure of atmosphere classification of clouds and composition of earth etc. • To understand the depletion of natural capital and what are the causes of disaster. • To study the various natural disaster like flood, landslides, costal hazarder etc. • To understand the various geographical disturbance. 	80	20		100
CO18	Public Relations	BCAM	<ul style="list-style-type: none"> • Understanding concept 	80	20		100

	Management	N401	<p>of public relation and its scope.</p> <ul style="list-style-type: none"> • To make students understand how employees have cordial relation with management. • To learn public opinion formation change. • To learn about code of ethics. 				
CO19	Quantitative Techniques	BCAM N402	<ul style="list-style-type: none"> • To study the concept of operations, research through various methods. • To study various methods of operations research including transportation model multiple optional solutions. • To analyses the PERT and CPM for the network construction. • To analyses the game theory and simulation technique of operation research. 	80	20		100
CO20	DBMS	BCAM N403	<ul style="list-style-type: none"> • Data dictionary, DBA, database languages & DBMS structure. • Database architecture, Data models. • Firewalls, database recovery & distributed database. • Data mining, Digital libraries, Multimedia, spatial & Mobile database. 	50	50		100
CO21	Multimedia Technology	BCAM N404	<ul style="list-style-type: none"> • To understand basic concept of multimedia. • To learn various compression techniques. • To learn application of multimedia in various fields. • To learn technical skills 	50	50		100

			in multimedia using “Adobe Photoshop” and “Macromedia Flash”				
CO22	Business Research Methods	BCAM N405	<ul style="list-style-type: none"> • To understand the value and ingredients of research and research proposal. • To learn various research design and measurement concept. • To learn about sample design, methods and data collection. • To learn application of statistical Techniques and preparation of reports in the context of business research. 	80	20		100
CO23	Human Rights and Values System	BCAM N406	<ul style="list-style-type: none"> • To understand the Indian and International perspectives of human rights. • To understand the deprivation of human rights like women, children SC/ST, homeless & slum dwellers. • To make aware student about judiciary system in human rights. • Arm of education, value education and national and international integration in human rights. 	50	50		100
CO24	Business Policy and Strategic Management	BCAM N501	<ul style="list-style-type: none"> • To learn about meaning of strategy & strategic management. • To study about role of CEO. • To learn about 	80	20		100

			<p>environment scanning and relationship between environment & enterprise.</p> <ul style="list-style-type: none"> • To understand concept of leadership and its role in strategic management. 				
CO25	Mercantile Law	BCAM N502	<ul style="list-style-type: none"> • To understand the various concepts of company contract. • To understand the sale of good Act 1930. • To understand the factory Act. • To understand the consumer protection Act 1986. 	80	20		100
CO26	Consumer Behavior	BCAM N503	<ul style="list-style-type: none"> • Introduction of consumer & consumer behavior. • Environmental Influences of consumer behavior. • Individual determinates of consumer behavior. • Consumer decision process in detail. 	80	20		100
CO27	RDBMS	BCAM N504	<ul style="list-style-type: none"> • Understanding concept of relational data base management system its scope app in industry. • To make student understand now data manipulate stored in actually in DB the practical lab of oracle with query gluen. • ERP(Enterprise Recourse Planning) learn. 	50	50		100
CO28	Software Engineering	BCAM N505	<ul style="list-style-type: none"> • To learn the basic cycle of software. • To calculate the complexity of software. • To get knowledge 	50	50		100

			<p>about the designing of software.</p> <ul style="list-style-type: none"> • To know about least the software step by step. 				
CO29	Cyber Security	BCAM N506	<ul style="list-style-type: none"> • To understand the concepts of information knowledge society. • To understand the what is cyber terrorism, its role and consequences. • To study different types of cybercrime. • To study concept of inform security and cyber disaster planning. 	80	20		100
CO30	Summer Training Report	BCAM N507	<ul style="list-style-type: none"> • To understand the industrial aspects of a particular area of management or computer as to develop the research and practical skills. • To make students learn various aspects of research Methodologies. 				100
CO31	Entrepreneurship Development	BCAM N601	<ul style="list-style-type: none"> • To learn about concept of entrepreneurship development. • To know about entrepreneurship qualities, role, process of developing qualities. motivation. • To learn about launching of enterprise launching and its resourcing, scanning business environment. • To know about procedure of business plan preparation, market survey & analysis, expansion of enterprises. 			100	100
CO32	International	BCAM	<ul style="list-style-type: none"> • To understand 	80	20		100

	Business	N602	<p>international business environment.</p> <ul style="list-style-type: none"> • To learn about types of foreign Investment and factor affecting foreign investment. • To study about EXIM policy and Export Oriented Units (E.O. Us). • To learn about trading blocks of intentional business. 				
CO33	Distributed Database Management	BCAM N603	<ul style="list-style-type: none"> • To understand concept of distributed database management system. • To learn about types of types of DDBMS & distributed database design. • To understand query optimization & E-commerce tools available in market. • To learn about the global in management, its cultural, political, geography, economics challenges. 	80	20		100
CO34	E-Commerce	BCAM N604	<ul style="list-style-type: none"> • To understand the concepts of online transactions, e-com models. • To study various electronic payment methods. • To study various application of e-commerce. • To understand the concept of virtual organization and security methods in e-commerce. 	80	20		100
CO35	Programming in	BCAM	<ul style="list-style-type: none"> • To learn about the 	50	50		100

	Visual Basic	N605	<p>programming basic concept & GUI interface.</p> <ul style="list-style-type: none"> • To study about the control used in creating a GUI application. • To understand the concept of events in GUI & programming concept like through wizard menu, mdi form etc. 				
CO36	Project Report	BCAM N606	<ul style="list-style-type: none"> • To understand the various aspects of a particular area of management or computer as to develop the research and practical skills. • To make students learn various aspects of research methodologies. 				100
CO37	Comprehensive Viva Voce	BCAM N607	<ul style="list-style-type: none"> • To understand the overview of various subjects learned during three-year degree course. 				100

Programme Specific Outcomes (PSOs) of Program B.Com(Pass)

- To understand the concept of commerce and management.
- To be able to learn the allied interdisciplinary subjects related to commerce.
- To develop professional attitude.
- To be able to apply the acquired knowledge in organizational context.
- To understand the role and functions of an accountant.

Course Outcomes (COs) of Program B.COM (PASS)

S.No.	Name of the Course	Course Code	Course Outcome	Theory Marks	Internal Assessment	Total Marks
CO1	Financial Accounting-I	1.01	<ul style="list-style-type: none"> • Knowledge about basic concepts of accounting. • Understanding of methods of depreciation. • Capable to prepare final accounts. • Knowledge about accounting for NPOs. 	80	20	100
CO2	Business Mathematics-I	1.02	<ul style="list-style-type: none"> • Knowledge of basic structure of number system. • Capable to explore the arrangement and selection in real life. • Understanding of number series in multiple ways. • Basic understanding of data interpretation. 	80	20	100
CO3	Business Economics-I	1.03	<ul style="list-style-type: none"> • Fundamental knowledge of demand and supply concepts. • Understanding of production functions and cost theories. • Aware about theory of consumer behavior and market structures. 	80	20	100
CO4	Business Management -I	1.04	<ul style="list-style-type: none"> • Understanding of business concepts. • Basic knowledge of management and its various approaches. • Aware about planning and decision making. • Conceptual knowledge of organizing function of management. 	80	20	100
CO5	Business Communication Skills	1.05	<ul style="list-style-type: none"> • Improved communication skills. • Upgraded professional language. • Enhanced reading and writing skills. 	80	20	100
CO6	Basics of	1.06	<ul style="list-style-type: none"> • Understanding of history and 	50	50	100

	Computer-I		<p>generation of computers.</p> <ul style="list-style-type: none"> • Knowledge of input and output devices. • Aware about memory and storage devices. • Skills related to MS-Word. 			
CO7	Financial Accounting-II	2.01	<ul style="list-style-type: none"> • Knowledge of hire purchase system. • Understanding of preparation of branch accounts. • Capable to prepare accounts of partnership firms. • Aware about joint venture and royalty accounts. 	80	20	100
CO8	Business Mathematics-II	2.02	<ul style="list-style-type: none"> • Knowledge of numbers in array form. • Basic understanding of maxima and minima of equation. • Capable to apply ratios, percentage and annuity concepts in real life. 	80	20	100
CO9	Business Economics-II	2.03	<ul style="list-style-type: none"> • Understanding of different market structures. • Knowledge of marginal productivity and factor pricing. • Aware about break-even point analysis. 	80	20	100
CO10	Business Management -II	2.04	<ul style="list-style-type: none"> • Detailed knowledge of various functions of management. • Understanding of management of change. 	80	20	100
CO11	Business Environment	2.05	<ul style="list-style-type: none"> • Knowledge of business environment and its components. • Understanding of economic trends. • Aware about economic problems of growth. • Understanding the role of Govt. in Indian economy. 	80	20	100
CO12	Basics of Computer-II	2.06	<ul style="list-style-type: none"> • Capable to work with digital computer. • Basic understanding of software 	50	50	100

			<p>concepts and operating system.</p> <ul style="list-style-type: none"> • Knowledge of Windows. • Improved skills related to MS-Excel. 			
CO13	Corporate Accounting-I	3.01	<ul style="list-style-type: none"> • Aware about issue and redemption process of shares. • Knowledge about debenture as a source of Finance and its redemption. • Aware about methods of valuation of goodwill and share. • Capable to prepare final accounts of company. 	80	20	100
CO14	Business Statistics-I	3.02	<ul style="list-style-type: none"> • Knowledge about different concepts of statistics. • Understanding of measures of central tendency, dispersion, moments, skewness and kurtosis. • Detailed knowledge of correlation and regression. 	80	20	100
CO15	Business Regulatory Framework-I	3.03	<ul style="list-style-type: none"> • Detailed knowledge about various provisions of Indian Contract Act, 1872. • Aware about bailment and pledge contract. • Understanding of Consumer Protection Act, 1986. 	80	20	100
CO16	Corporate Law-I	3.04	<ul style="list-style-type: none"> • Conceptual knowledge of company under Companies Act, 2013 including MOA & AOA. • Understanding of rights, duties and liabilities of promoters. • Aware and outbound borrowing powers, debentures and charges. 	80	20	100
CO17	Human Resource Management	3.05	<ul style="list-style-type: none"> • Knowledge of HRM practices in organization. • Understanding of procurement function of HRM. • Aware about labor related issues. • Capable to maintain industrial relations in organizations. 	80	20	100

CO18	Fundamental of Insurance	3.06 (i)	<ul style="list-style-type: none"> • Basic knowledge of terms and concepts of insurance. • Understanding of life insurance related concepts. • Aware about general, agriculture and fire insurance. 	80	20	100
CO19	Corporate Accounting-II	4.01	<ul style="list-style-type: none"> • Understanding of external and internal reconstruction. • Capable to prepare final accounting of banking and holding companies. • Conceptual knowledge of liquidation of companies and financial reporting. 	80	20	100
CO20	Business Statistics-II	4.02	<ul style="list-style-type: none"> • Detailed knowledge of index number. • Understanding of time series. • Knowledge of probability and probability distribution. 	80	20	100
CO21	Business Regulatory Framework-II	4.03	<ul style="list-style-type: none"> • Knowledge of provisions of following Act: • (i) Indian Partnership Act, 1932 • (ii) Negotiable Instruments Act, 1881 • (iii) Sale of Goods Act, 1930 • (iv) RTI Act, 2005 	80	20	100
CO22	Corporate Law-II	4.04	<ul style="list-style-type: none"> • Knowledge of various provisions of Companies Act regarding: • (i) Share and share capital. • (ii) Meetings of companies. • (iii) Winding up of company. • Aware about duties, powers and liabilities of directors. 	80	20	100
CO23	Marketing Management	4.05	<ul style="list-style-type: none"> • Understanding of basic concept of marketing. • Conceptual knowledge of product, pricing and promotion decision regarding marketing. • Aware with the concept of consumer behavior. 	80	20	100
CO24	Banking and Banking Law	4.06 (ii)	<ul style="list-style-type: none"> • Basic understanding of functioning of banks. • Conceptual knowledge related to 	80	20	100

			<p>RRBs, RBI and cooperative banks.</p> <ul style="list-style-type: none"> • Awareness about various provisions of Negotiable Instruments Act, 1881. 			
CO25	Taxation Law-I	5.01	<ul style="list-style-type: none"> • Understanding of concepts of income tax including agriculture income and residential status. • Knowledge of provisions of following heads of income: <ul style="list-style-type: none"> • (i) Salary • (ii) House property • (iii) PGBP • (iv) Capital gain • (v) Other sources 	80	20	100
CO26	Cost Accounting-I	5.02	<ul style="list-style-type: none"> • Awareness about cost, costing, cost accounting and classification of cost. • Capable to calculate cost related to material, labor and overhead. • Knowledge of preparing cost sheet and Reconciliation statement. 	80	20	100
CO27	Accounting for Management	5.03	<ul style="list-style-type: none"> • Basic understanding of concepts of management accounting. • Understanding of financial statements, financial analysis and ratio analysis. • Conceptual knowledge of capital budgeting and financial planning. • Capable to prepare cash flow statement. 	80	20	100
CO28	Financial Market Operations	5.04	<ul style="list-style-type: none"> • Conceptual knowledge of capital market, money market and SEBI. • Detailed understanding of various financial institutions. 	80	20	100
CO29	Entrepreneurship and Small scale business	5.05	<ul style="list-style-type: none"> • Knowledge about the importance of entrepreneurs in growth of business. • Understanding of various issues related with small business and effect of entrepreneurship on small scale business. • Awareness about preparation of 	80	20	100

			project report.			
CO30	International Trade	5.06 (i)	<ul style="list-style-type: none"> • Conceptual knowledge of international trade. • Awareness about various modes of entering into international business. • Understanding of theories of international trade and international market. 	80	20	100
CO31	Taxation Law-II	6.01	<ul style="list-style-type: none"> • Knowledge about computation of total and taxable income of individual, HUF, firms, AOP and BOI. • Understanding of provisions regarding recovery and refund of tax, penalties, appeal and revision. 	80	20	100
CO32	Cost Accounting-II	6.02	<ul style="list-style-type: none"> • Understanding of various types of costing methods like process and contract costing. • Knowledge of different costing techniques like budgetary control, marginal costing and standard costing. 	80	20	100
CO33	Financial Management	6.03	<ul style="list-style-type: none"> • Knowledge of financial management and its objectives. • Understanding of a procurement and dividend decisions of FM. • Capable to understand the working capital, cash, securities and receivables management. 	80	20	100
CO34	Auditing	6.04	<ul style="list-style-type: none"> • Knowledge of concept of auditing and its types. • Detailed understanding of audit procedure. • Understanding the auditor's power, duties and liabilities. • Knowledge about preparation of audit report. 	80	20	100
CO35	Goods and Services Tax & Custom Law	6.05	<ul style="list-style-type: none"> • Conceptual knowledge of GST. • Detailed understanding of Custom Act, 1962. • Knowledge of different aspects 	80	20	100

			of registration and types of invoices.			
CO36	International Marketing	6.06(i)	<ul style="list-style-type: none"> • Knowledge of concept of international marketing. • Detailed understanding of product, pricing, place and promotion decision related to international marketing. 	80	20	100

Programme Specific Outcomes (PSOs) of Program B. Com (TPP)

- This program helps the students to gain skills in economics, accounting and finance. There are different types of tax such as value added tax, Property tax, Income tax, Service tax etc.
- It helps those students who pursue this course usually get exposed to the details of the indirect taxes like wealth tax, customs tax and central excise tax.
- Candidate can seek employment in government and private sectors. Professionals can join any organization as tax recruiter, tax policy analyst, tax advisor, revenue agents, tax examiners, tax manager, tax accountant and tax collectors.
- It prepares students for a professional qualification in taxation, finance and accounting and provides a solid base in the field of taxation, accounting and Finance, thus making it easier to acquire a leadership / managerial role in the financial sector.

Course Outcomes (COs) of Program B. Com (TPP)

S. No.	Name of the Course	Course Code	Course Outcome	Theory Marks	Practical Marks	Project Work Marks	Total Marks
C01	Financial Accounting	1.01	<ul style="list-style-type: none"> • Helps in identifying financial strength weaknesses of business. • Interpreting financial information • Contributes to improve operational efficiency 	80	20		100
C02	Business Mathematics	1.02	<ul style="list-style-type: none"> • Helps in planning and operations • Gives way to compute sampling distribution for tests. • Principal of counting and sum of series. • Ability to work business decisions 	80	20		100
C03	Business Economics	1.03	<ul style="list-style-type: none"> • Fundamental knowledge of demand and supply concepts • Understanding of production function and cost theories • Aware about theory of consumer behavior and market structures 	80	20		100
C04	Business Management	1.04	<ul style="list-style-type: none"> • Focuses on planning execution and analysis of business practices. • Deep understanding of management theories. • Knowledge about different organization structures. 	80	20	-	100
C05	Income Tax Act	B 1.05	<ul style="list-style-type: none"> • Knowledge about Residential status of assesses. • Learning about different heads of Income. • Helps in computation of total Income. • Briefs up about all the deductions and computation of taxable Income. 	70	10	20	100

C06	Goods and Service Tax Part –I	B 1.06	<ul style="list-style-type: none"> • Introduction of newly constituted tax i.e.GST. • Understanding the composition scheme under GST. • Understanding the concept and scope of ITC in GST. 	70	10	20	100
C07	Financial Accounting-II	2.02	<ul style="list-style-type: none"> • Knowledge about working of this system and installment payment system • Helps in understanding joint venture and branch accounting system. • Thorough knowledge about partnership to the students. 	80	20		100
C08	Business Mathematics	2.02	<ul style="list-style-type: none"> • Gives way of describing linear transpirations. • Rate of change of variable with respect of independent variable. • Helps in learning time value of money. • Understanding concepts of profit and loss. 	80	20		100
C09	Business Economics-II	2.03	<ul style="list-style-type: none"> • Understanding of different market structures. • Knowledge of marginal productivity and factor pricing. • Aware about break-even point analysis. 	80	20		100
C10	Business Management	2.04	<ul style="list-style-type: none"> • Understanding the theories related to motivation of leadership. • Knowledge about process of communications detail. • Highlights the importance of good control system. • Details about adaption of mgt. to changing environment. 	80	20		100

C11	Income Tax Act-II	B.2.05	<ul style="list-style-type: none"> • Computation of total and taxable income of individual and firm • Knowledge about Assessment cooperative society, charitable trust and educational institutes. • Knowledge about assessment of non-resident and double taxation relief. 	70	10	20	100
C12	Goods and Service Tax: Part II	B.2.06	<ul style="list-style-type: none"> • Knowledge about different aspects of registration. • Study of different types of Incomes. • Detailed knowledge about different types of return. 	70	10	20	100
C13	Corporate Accounting-1	3.01	<ul style="list-style-type: none"> • Knowledge about shares issue and forfeiture. • Detailed study about debentures as a source of finance and redemption. • Knowledge about valuation of goodwill and shares. • Study of final accounts of company. 	80	20		100
C14	Business Statistics-1	3.02	<ul style="list-style-type: none"> • Helps in getting knowledge about different aspects of statistics. • Knowledge about central tendency and dispersion. • Deep understudy of Moments skewness and kurtosis. • Thorough knowledge of correlation and regression. 	80	20		100
C15	Business Regulatory Framework-I	3.03	<ul style="list-style-type: none"> • Knowledge about different as parts of Indian Contract Act. • Study of contract of Bailment and Pledge. • Study of Consumer Protection Act 1986 in detail. 	80	20		100

C16	Corporate Law-I	3.04	<ul style="list-style-type: none"> • Understanding about different as parts of company. • Knowledge about significance of MOA and AOA. • Understanding about Rights, duties and liabilities of promoters. 	80	20		100
C17	Custom Duty-I	B.3.05	<ul style="list-style-type: none"> • Deep understanding of customs Act 1962 • Knowledge about valuation of custom duty. • Detailed knowledge about Baggage -: clearance import and product of import. 	70	10	20	100
C18	Income Tax Law and Administration	B 3.06	<ul style="list-style-type: none"> • Knowledge about Assessment and Return. • Detailed study of TDS and advance Tax • Understanding of refund and Recovery of tax • Knowledge of duties and powers of Income Tax authorities. 	70	10	20	100
C19	Corporate Accounting –II	4.01	<ul style="list-style-type: none"> • Through knowledge about reconstruction, Internal and External Companies. • Knowledge about final accounts of banking and holding companies • Study about liquidation of company. 	80	20		100
C20	Business Statistics-II	4.02	<ul style="list-style-type: none"> • Study of Index Numbers in details. • Knowledge about time Series. • Detailed study of Probability distribution. 	80	20		100
C21	Business Regulatory Framework-II	4.03	<ul style="list-style-type: none"> • Detailed study of Indian Partnership Act. • Knowledge about Negotiable Instruments Act. • Understanding of sale of Goods Act and RTI Act. 	80	20		100

C22	Corporate Law-II	4.04	<ul style="list-style-type: none"> • Focuses on different types of shares and share capital in detail. • Study of meeting of company. • Knowledge about winding up of company in detail. 	70	10		100
C23	Customs Duty-II	B4.05	<ul style="list-style-type: none"> • Understanding of clearance procedures. • Knowledge about custom Duty, EOU and SEI. • Study of Foreign Trade Policy and duty draw book. 	70	10	20	100
C24	Goods and Service Tax: III	B 4.06	<ul style="list-style-type: none"> • Detailed study of Exemptions under GST. • Assessment record keeping and maintenance of accounts by registered person under GST. • Focus on concept related to refunds in detail. 	70	10	20	100
C25	Cost accounting –I	5.02	<ul style="list-style-type: none"> • Basic knowledge about cost accounting and cost centers in detail. • Study of Inventory material control labor and overheads. • Through study of different types of cost sheet and its practical application. 	80	20		100
C26	Accounting for Management	5.03	<ul style="list-style-type: none"> • Study of management accounting in detail. • Understanding about Financial statement analysis. • Conceptual knowledge about various techniques of capital budgeting. 	80	20		100
C27	Financial Market Operations	5.04	<ul style="list-style-type: none"> • Focuses on deep understanding of concepts of money mkt. and capital market. • Impotence of SEBI in capital market. 	80	20		100

			<ul style="list-style-type: none"> • Detailed of study of various financial institutions in India. 				
C28	Investment Management	5.06 (iii)	<ul style="list-style-type: none"> • Basic understanding of investment and investment avenues. • Knowledge about analysis both technical and fundamental analysis. • Detailed study of secondary mkt. and various instruments in Indian capital market. 	80	20		100
C29	Customs Duty-II	B. 5.05	<ul style="list-style-type: none"> • Clearance procedure related to import and export of goods. • Knowledge about documents related to import and export procedures. • Study of foreign trade policy and various export promotion schemes. 	70	10	20	100
C30	Central Excise Duty-II	B 5.06	<ul style="list-style-type: none"> • Knowledge about different types of clearance. • Detailed knowledge of CENNAT and SSI. • Types of records and books of accounts need to be maintained by money factures. 	70	10	20	100
C31	Cost Accounting- II	6.02	<ul style="list-style-type: none"> • Knowledge about different types of costing like process and contract costing. • Study of budgetary control system and various types of budgets. • Focuses on absorption and marginal costing in detail. 	80	20		100
C32	Financial Management	6.03	<ul style="list-style-type: none"> • Understanding of financial management and its objections. • Study of concepts like costing capital and capital structure in detail. 	80	20		100

			<ul style="list-style-type: none"> • Knowledge about different types of evidence and the theories. 				
C33	Auditing	6.04	<ul style="list-style-type: none"> • Study about auditing and auditing process. • Understanding and Knowledge about audit of public companies. • Focuses on audit reports and investigations. 	80	20		100
C34	International Marketing	6.06 (iii)	<ul style="list-style-type: none"> • Basic knowledge about concept of international marketing. • Understanding of product planning and pricing. • Focuses on international distribution and different methods of product promotion. 	70	10	20	100
C35	Corporate Taxation	B 6.05	<ul style="list-style-type: none"> • Knowledge about computation of total and taxable income of individual, HUF, firms, AOP and BOI • Understanding of provisions regarding recovery and refund of tax, penalties, appeal and revision 	70	10	20	100
C36	Tax Planning	B6.06	<ul style="list-style-type: none"> • Understanding of the concept of tax planning, tax evasion and avoidance of tax under tax planning. • Knowledge about tax planning for businesses, tax planning managerial decisions. • Tax Planning in respect of foreign income, foreign cow borating and joint ventures. 	70	10	20	100

Programme Specific Outcomes (PSOs) of Program B. Com (Hons.)

- This course reflects the general understanding of concept, theories, arguments & principles of the core disciplines like economics, commerce and business.
- It enables to manage people and learn organization effectively and efficiently and contribute towards economic development of country.
- It engages students themselves confidently in say directed study and research work.
- This course applies their analytical skills towards identification evaluation and resolution of complex problems.
- Students can participate in national & international debates and discussion on economic, commercial and business ideas.
- Students are competent to get employment in the fields of banking sector, insurance sector, hospitality and manufacturing concern in computer programming industries too.
- The students become compliment to generate employment by setting their own business and contributing towards economic development too.

Course Outcomes (COs) of Program B. Com (Hons.)

S. No.	Name of the Course	Course Code	Course Outcome	Theory Marks	Practical Marks	Project Work Marks	Total Marks
C01	An Introduction to Statistics	BCH 1.01	<ul style="list-style-type: none"> • Provide concise data. • Easy to access results. • Helpful in interpretation. • How to use data. 	80	20		100
C02	Business Communication	BCH 1.02	<ul style="list-style-type: none"> • Teach business language. • Improve communication skills • Teach professional language. • Helps to understand the communication gap. 	80	20		100
C03	Business Organization	BCH 1.04	<ul style="list-style-type: none"> • Provide knowledge organization. • It almost touches all the spheres of commerce management & organization environment. • Provide knowledge technical situation. • Student gets about real improvement of org. 	80	20		100
C04	An Introduction to Accounting	BCH 1.04	<ul style="list-style-type: none"> • Base of accounting system. • Also provide technique knowledge like Tally. • Introduction of commerce technique universal term. 	80	20		100
C05	Fundamental of Economics	BCH 1.05	<ul style="list-style-type: none"> • It is base of commerce. • It contributes immensely for study of other subject of commerce. • Helps to understand others subject. 	80	20		100
C06	Business Law-I	BCH 1.06	<ul style="list-style-type: none"> • Law is basic to understand the provisions of contract regarding business. • It makes aware about constitutions, contribution in commerce. • Also provide information regarding factory act, stock market & topics to commerce. 	80	20	-	100

C07	Comprehensive Viva Voce	-	<ul style="list-style-type: none"> To understand the overview of various subjects learned during course. 	-	-	-	50
C08	Financial Accounting for Business	BCH 2.01	<ul style="list-style-type: none"> Base of accounting system. Provide techniques knowledge like Tally. Introduction of commerce techniques universal terms. 	80	20	-	100
C09	Business Economics	BCH 2.02	<ul style="list-style-type: none"> Base of commerce. It contributes immensely for study of other subjects of commerce. Helps to understand other subject. 	80	20	-	100
C10	Business Statistics	BCH 2.03	<ul style="list-style-type: none"> Provide concise data. Easy to access results Helpful in interpretation. How to use data. 	80	20		100
C11	Business Management	BCH 2.04	<ul style="list-style-type: none"> Provide knowledge of management. It almost touches all the spheres of commerce & management. Provide knowledge of technical situation. Provide knowledge of law touch the business. 	80	20		100
C12	Business Law-II	BCH 2.05	<ul style="list-style-type: none"> Law is basic to understand the provision of contract regarding business. It makes aware about constitutions, contribution in commerce. 	80	20		100
C13	Introduction To Computers	BCH 2.06	<ul style="list-style-type: none"> Understanding the concept, I/PL. O/P. Devices their working. Identity various types of Memory & Mass Storage devices. Familiarize oneself with world basic. 	60	40		100
C14	Comprehensive Viva-Voce		<ul style="list-style-type: none"> To understand the overview of various subjects learned during degree course. 		50		50

C15	Business Mathematics	BCH 3.01	<ul style="list-style-type: none"> • It improves reasoning ability. • Matrices are useful in engineering physics, Economics, Statistics. • It Improves the decision making Ability through Linear Programmed. • It is an important part of commercial originations. 	80	20		100
C16	Corporate Accounting-I	BCH 3.02	<ul style="list-style-type: none"> • There are key occupations in accounting field. • Qualified accountants are highly demand in today's world. • Students can know in which company they should in next. • Get knowledge about the general accounts preparation. 	80	20		100
C17	Cost Accounting	BCH 3.03	<ul style="list-style-type: none"> • Techniques to reduce expenses. • Techniques to save cost. • Student get know how to make budget and check variances. • Can check on prices of products correctly. • Get knowledge about the contract costing. • Important for cost accountant. 	80	20		100
C18	Company Law -I	BCH 3.04	<ul style="list-style-type: none"> • Can different blue types of companies. • Get knowledge about how to form and promote company. • Can work with law firm, &other companies. • Get knowledge about public subscription, debentures &shares. 				
C19	Principal of Marketing	BCH 3.05	<ul style="list-style-type: none"> • Marketing managers marketing researchers. • Retail marketing should have knowledge of IT. • Can easily asses a consumer's behavior. 	80	20		100

			<ul style="list-style-type: none"> • Get knowledge about promotional techniques. • Easily start a new business. 				
C20	Basic of Information Technology	BCH 3.06	<ul style="list-style-type: none"> • Very important for students in this digital world. • Get knowledge about impact of it on business environment. • Knows about E-commerce & mobile communication. • Get knowledge tally & salary statement. 	80	20		100
C21	Comprehensive Viva-Voce		<ul style="list-style-type: none"> • Improves communication skill. • Build up confidence. • Prepares for interview. • Improves interaction. 	-	50	-	50
C22	Corporate Accounting-II	BCH-4.01	<ul style="list-style-type: none"> • Get knowledge about amalgamation & reconstruction. • Get knowledge about account of banking and electricity company. • Students know about the liquidation of company. • Get knowledge about underwriting. • 	80	20	-	100
C23	Business Ethics	BCH-4.02	<ul style="list-style-type: none"> • Students know about the moral duty in business world. • Knows about major issues like gender sensitization, corruption in business environment. • Knows about corporate code of ethics. • Can become a good human being. 	80	20	-	100
C24	Company Law-II	BCH-4.03	<ul style="list-style-type: none"> • This is advance version company law. • Get knowledge about the depository system and allotment of shares. 	80	20	-	100

			<ul style="list-style-type: none"> • Knows about right and liabilities of member and shareholder. • Knows about meeting and winding up of company. 				
C25	Statistical Analysis using MS-Excel	BCH 4.04	<ul style="list-style-type: none"> • Very important for research work. • Gets the knowledge about primary and secondary data. • Knows about testing of hypothesis. • Introduction of SPSS. 	50	50	-	100
C26	Financial Institutions & Markets	BCH 4.05	<ul style="list-style-type: none"> • Get knowledge about money market & capital market. • Gets knowledge about various financial Institutions. • Knows about merchant banking. • Knowledge about venture capital. • Hire purchase & leasing. 	80	20	-	100
C27	Auditing	BCH 4.06	<ul style="list-style-type: none"> • Very important for CA. • Knows about different types of auditing. • Knows about the qualification to become co. auditor. • Knows about the AAS (Auditing & Assurance Standards) 	80	20	-	100
C28	Comprehensive Viva –Voce		<ul style="list-style-type: none"> • Important to build up the confidence in students. • Knows how to interact. • Helpful in facing interviews in future. • Improves communication. 	-	50	-	50
C29	Financial Management	BCH 5.01	<ul style="list-style-type: none"> • Understanding of financial management and its objectives. • Study of concept like cost of capital & capital structure in detail. • Knowledge about different types of dividend & its theories. 	80	20	-	100

C30	Investment Analysis	BCH 5.02	<ul style="list-style-type: none"> • Basic understanding of investment & awareness. • Knowledge about analysis technical & fundamental • Detailed study of secondary market & types of derivatives in Indian capital market. 	80	20	-	100
C31	Money And Banking	BCH 5.03	<ul style="list-style-type: none"> • Role importance of circulars flow of money. • Detailed study of various theories related to money. • Knowledge about RBI and its functions. 	80	20	-	100
C32	Contemporary Issue in Commerce	BCH 5.04	<ul style="list-style-type: none"> • Study of various contemporary Issues in commerce like CSR, ICT, E-learning etc. • Understanding the concept and trends in banking & financial services. • Focuses on challenges in managing workforce diversity. 	50		50	100
C33	Income Tax	BCH 5.05	<ul style="list-style-type: none"> • Basic understanding of Income tax of residential status of assesses. • Learning about different heads of income. • Knowledge about deductions to be made in computing total income. 	80	20		100
C34	Entrepreneurship and Small Business	BCH 5.06	<ul style="list-style-type: none"> • Focuses on entrepreneurs as an interactive process. • Feasibility study of business & preparation of project reports. • Conceptual study of issues in small business. 	80	20		100
C35	Comprehensive Viva -voce		<ul style="list-style-type: none"> • To understand the overview of various subjects learned during course. 		50		50
C36	Accounting for Managers	BCH 6.01	<ul style="list-style-type: none"> • Study of management accounting in detail. • Detailed knowledge of marginal & absorption costing. 	80	20		100

			<ul style="list-style-type: none"> • Conceptual knowledge about various teachings of capital budgeting. 				
C37	Project Planning & Mgt.	BCH 6.02	<ul style="list-style-type: none"> • Study of planning & its strategies. • Knowledge about various financing options. • Through detail of techniques for project implementation. 	80	20		100
C38	Income Tax Law & Administration	BCH 6.04	<ul style="list-style-type: none"> • Understanding rebate & relief of tax. • Study of income tax authorities and its powers. • Detailed study of refund penalties & offences under income tax. 	80	20		100
C39	Human Resource Management	BCH 6.05	<ul style="list-style-type: none"> • Knowledge of reaming objective & scope of HRM. • Focuses of concept related to recruitment, selection & training. • Understanding the concept of industrial unrest & machinery for prevention & settlement of industrial unrest. 	80	20		100
C40	Business Environment & International Business	BCH 6.05	<ul style="list-style-type: none"> • Basic understanding of business environment & its components. • Focuses on risk & challenges in IB. • Knowledge of various theories of international trade. 	80	20		100
C41	Retail Management and Sales Products	BCH 6.06	<ul style="list-style-type: none"> • Details about retail management & its various career options. • Knowledge of types of retailing & different retailing models. • Focuses on concept of retail planning. 	80	20		100
C42	Comprehensive Viva- Voce		<ul style="list-style-type: none"> • To understand the overview of various subjects learned during course. 		50		50

Programme Specific Outcomes (PSOs) of B. Com (CA)

- They can go for higher degree programs in respective subjects master's degree, etc. and then for further research work.
- They can find job opportunities in a variety of environments in university, research, private and public industries, government departments, business organizations and commercial organizations.
- Degree holders can also work as programmers, webdevelopers and e-commerce specialists with industries that build or use computer – based systems, such as telecommunications, automotive, aerospace, etc.
- Applicants can also have jobs in computer hardware system design and development companies, computer networking companies, software development companies, etc.

Course Outcomes (COs) of Program B. Com (CA)

S.No.	Name of the Course	Course Code	Course Outcome	Theory Marks	Internal Assessment	Project Work Marks	Total Marks
CO1	Financial Accounting-I	1.01	<ul style="list-style-type: none"> • Knowledge about basic concepts of accounting. • Understanding of methods of depreciation. • Capable to prepare final accounts. • Knowledge about accounting for NPOs. 	80	20		100
CO2	Business Mathematics-I	1.02	<ul style="list-style-type: none"> • Knowledge of basic structure of number system. • Capable to explore the arrangement and selection in real life. • Understanding of number series in multiple ways. • Basic understanding of data interpretation. 	80	20		100
CO3	Business Economics-I	1.03	<ul style="list-style-type: none"> • Fundamental knowledge of demand and supply concepts. • Understanding of production functions and cost theories. • Aware about theory of consumer behavior and market structures. 	80	20		100

CO4	Business Management -I	1.04	<ul style="list-style-type: none"> • Understanding of business concepts. • Basic knowledge of management and its various approaches. • Aware about planning and decision making. • Conceptual knowledge of organizing function of management. 	80	20		100
CO5	Computer Fundamental- I	A1.05	<ul style="list-style-type: none"> • Understanding the concept, I/PL. O/P. • Devices their working. • Identity various types of memory & mass storage devices. • Familiarize oneself with world basic. 	70	30		100
CO6	Operating System and Business Data Programming-I	A1.06	<ul style="list-style-type: none"> • Analyze the student & role of OS. • Principle difference in various OS with reference to Unix & DOS. • To learn the mechanic convolved in memory & file mgmt. functions in contemporary OS. 	70	30		100
CO7	Financial Accounting-II	2.01	<ul style="list-style-type: none"> • Knowledge of hire purchase system. • Understanding of preparation of branch accounts. • Capable to prepare accounts of partnership firms. • Aware about joint venture and royalty accounts. 	80	20		100

CO8	Business Mathematics-II	2.02	<ul style="list-style-type: none"> • Knowledge of numbers in array form. • Basic understanding of maxima and minima of equation. • Capable to apply ratios, percentage and annuity concepts in real life. 	80	20		100
CO9	Business Economics-II	2.03	<ul style="list-style-type: none"> • Understanding of different market structures. • Knowledge of marginal productivity and factor pricing. • Aware about break-even point analysis. 	80	20		100
CO10	Business Management –II	2.04	<ul style="list-style-type: none"> • Detailed knowledge of various functions of management. • Understanding of management of change. 	80	20		100
C011	Computer Fundamental-II	A2.05	<ul style="list-style-type: none"> • Recognize different types of number system. • Familiarity with the fundamentals of data communication & N/W. • To understand the Practicality of MS – Excel. 	70	30		100
C012	Operating System and Business data Programming –II	A 2.06	<ul style="list-style-type: none"> • Identify the basic concepts components functions of DBMS. • Know about the various data models used in DB design. • Learn about various keys of relation with practical exposure to MS-Access. • Learn different types of Operating Systems being used now-a-days. 	70	30	-	100

CO13	Corporate Accounting-I	3.01	<ul style="list-style-type: none"> • Aware about issue and redemption process of shares. • Knowledge about debenture as a source of Finance and its redemption. • Aware about methods of valuation of goodwill and share. • Capable to prepare final accounts of company. 	80	20		100
CO14	Business Statistics-I	3.02	<ul style="list-style-type: none"> • Knowledge about different concepts of statistics. • Understanding of measures of central tendency, dispersion, moments, skewness and kurtosis. • Detailed knowledge of correlation and regression. 	80	20		100
CO15	Business Regulatory Framework-I	3.03	<ul style="list-style-type: none"> • Detailed knowledge about various provisions of Indian Contract Act, 1872. • Aware about bailment and pledge contract. • Understanding of Consumer Protection Act,1986. 	80	20		100
CO16	Corporate Law-I	3.04	<ul style="list-style-type: none"> • Conceptual knowledge of company under Companies Act, 2013 including MOA & AOA. • Understanding of rights, duties and liabilities of promoters. • Aware and outbound borrowing powers, debentures and charges. 	80	20		100

C017	Data Base Management System-I	A3.05	<ul style="list-style-type: none"> • Improve DB design by normalization. • Formulate queries using SQL. • Apply and relate the concept of transaction processor & concisely control. 	70	30	-	100
C018	Structural Programming and Computer Graphics-I	A3.06	<ul style="list-style-type: none"> • Write compile & debug programming in C language. • Learn about various OTP packages and various H/W & S/W requirements in graphics. 	70	30	-	100
CO19	Corporate Accounting-II	4.01	<ul style="list-style-type: none"> • Understanding of external and internal reconstruction. Capable to prepare final accounting of banking and holding companies. • Conceptual knowledge of liquidation of companies and financial reporting. 	80	20		100
CO20	Business Statistics-II	4.02	<ul style="list-style-type: none"> • Detailed knowledge of index number. • Understanding of time series. • Knowledge of probability and probability distribution. 	80	20		100
CO21	Business Regulatory Framework-II	4.03	<ul style="list-style-type: none"> • Knowledge of provisions of following Act: (i) Indian Partnership Act, 1932 (ii) Negotiable Instruments Act, 1881 (iii) Sale of Goods Act, 1930 (iv) RTI Act, 2005 	80	20		100

CO22	Corporate Law-II	4.04	<ul style="list-style-type: none"> • Knowledge of various provisions of Companies Act regarding: <ul style="list-style-type: none"> (i) Share and share capital (ii) Meetings of companies (iii) Winding up of company • Aware about duties, powers and liabilities of directors. 	80	20		100
CO23	Data Base Management System-II	A4.05	<ul style="list-style-type: none"> • To convert file model to relational tables. • Understanding the concept of data mining, warehouses & digital library. 				
CO24	Structural Programming and Computer Graphics –II	A4.06	<ul style="list-style-type: none"> • Implement programs with routers & always and various loop control settlements. • Create 2D & 3D computer drawing & models. 				
CO25	Taxation Law-I	5.01	<ul style="list-style-type: none"> • Understanding of concepts of income tax including agriculture income and residential status. • Knowledge of provisions of following heads of income: <ul style="list-style-type: none"> (i) Salary (ii) House property (iii) PGBP (iv) Capital gain (v) Other sources 	80	20		100
CO26	Cost Accounting-I	5.02	<ul style="list-style-type: none"> • Awareness about cost, costing, cost accounting & classification of cost. • Capable to calculate cost related to material, labor and overhead. • Knowledge of preparing cost sheet and reconciliation 	80	20		100

			statement.				
CO27	Accounting for Management	5.03	<ul style="list-style-type: none"> • Basic understanding of concepts of management accounting. • Understanding of financial statements, financial analysis and ratio analysis. • Conceptual knowledge of capital budgeting and financial planning. • Capable to prepare cash flow statements. 	80	20		100
CO28	Financial Market Operations	5.04	<ul style="list-style-type: none"> • Conceptual knowledge of capital market, money market and SEBI. • Detailed understanding of various financial institutions. 	80	20		100
C029	Computer Aided Drafting & Advanced Topics in Computers –I	A5.05	<ul style="list-style-type: none"> • Communicate & present Ideas & solutions to design problems. • Collaborate with people of diverse background & abilities. 				
C30	Essential of E-Commerce	A 5.06	<ul style="list-style-type: none"> • Demonstrate an understanding of foundations & Importance of E-commerce. • Assess electronic payment system. • Describe the structure of E-commerce. 				
CO31	Taxation Law-II	6.01	<ul style="list-style-type: none"> • Knowledge about computation of total and taxable income of individual, HUF, firms, AOP and BOI. • Understanding of provisions regarding recovery and refund of tax, penalties, appeal and revision. 	80	20		100

CO32	Cost Accounting-II	6.02	<ul style="list-style-type: none"> • Understanding of various types of costing methods like process and contract costing. • Knowledge of different costing techniques like budgetary control, marginal costing and standard costing. 	80	20		100
CO33	Financial Management	6.03	<ul style="list-style-type: none"> • Knowledge of financial management and its objectives. • Understanding of a procurement & dividend decisions of FM. • Capable to understand the working capital, cash, securities and receivables management. 	80	20		100
CO34	Auditing	6.04	<ul style="list-style-type: none"> • Knowledge of concept of auditing and its types. • Detailed understanding of audit procedure. • Understanding the auditor's power, duties and liabilities. • Knowledge about preparation of audit report. 	80	20		100
CO35	Computer Aided Drafting & Advanced Topics in Computers	A6.05	<ul style="list-style-type: none"> • To know various H/W & S/W requirements of Auto cad. • To understand basic concept of neural networks, virtual reality, robot Programming. 				
CO36	Information Technology in Business	A6.06	<ul style="list-style-type: none"> • Understanding Knowledge Discovery un DB. • Learn about various types of Information system. • Analyze the advantages of SCM. • Evaluation of CRM. 				

			• Practical of Photoshop				
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Programme Specific Outcomes (PSOs) of Program B.Sc. (Non-Medical)

- This program aims to provide the students an in-depth understanding and training in chemical services, physics and mathematics.
- Students may pursue a more specialized course of study and become more competitive in their fields of specialization in chemistry, physics and mathematics.
- Students may pursue teaching laboratory work, banking sector or pharmaceutical industry etc.

Course Outcomes (COs) of Program B.Sc. (Non-Medical)

S.No	Name of the Course	Course Code	Course Outcome	Theory Marks	Practical Marks	Internal Marks	Total Marks
CO1	English		<ul style="list-style-type: none"> • To analyze the various elements of english poetry. • To recognize poetry from a variety of culture, language and historical periods. • To communicate to students, the exclusive message of the poetry. • To enable learners to achieve linguistic competence and to be able to use grammar as a tool in oral and written discourse. 	40		10	50
CO2	1) Mechanics	PHY-101	<ul style="list-style-type: none"> • Knowledge of mechanics of single and system of particles. • Detailed knowledge of generalized coordinates. • What is moment of inertia. 	45	40	10	150
	2)Electricity and Magnetism	PHY-102	<ul style="list-style-type: none"> • Mathematical background of vectors and electrostatic field. • Concept of magneto statistics. • Knowledge of electromagnetic theory. 	45		10	

CO3	1)Algebra	12BSM 111	<ul style="list-style-type: none"> • Define rings, zero divisors of a ring, integral domain, field and prove theorems. • Prove a group has no proper subgroup if it is cyclic group of prime order. • Define cyclic groups. • Prove Cayley's theorem, the fundamental theorem of homomorphism for groups. 	40		10	150
	2)Calculus	12BSM 112	<ul style="list-style-type: none"> • Find Maxima and minima of function of two variables. • Explain sub tangent and subnormal. • Find angle of intersection of two curves. • Find circle, radius and centre of curvature. 	40		10	
	3)Solid Geometry	12BSM 113	<ul style="list-style-type: none"> • Understand geometrical terminology for angles, triangles, quadrilaterals and circles. • Use geometrical results to determine unknown angles. • Recognize line and rotational symmetries. • find the areas of triangles, quadrilaterals and circles and shapes based on these. 	40		10	

CO4	1)Inorganic Chemistry	CH-101	<ul style="list-style-type: none"> • Knowledge of atomic structure, theories and principles related to it. • Detail knowledge of periodic properties and its uses and applications. • Familiarity with chemical bonding and its applications. • Study of ionic solids and their uses. 	30	40	8	150
	2)Physical Chemistry	CH-102	<ul style="list-style-type: none"> • Familiarity with gaseous states and various properties. • Study of critical phenomenon. • Detail knowledge of liquid state. • Familiarity with solid states and their uses. 	29		7	
	3)Organic Chemistry	CH-103	<ul style="list-style-type: none"> • Knowledge of structure and bonding and its application. • Familiarity with stereochemistry of organic chemistry and applications. • Detail knowledge of mechanism of organic reaction. • Study of alkanes and cycloalkanes. 	29		7	

CO5	1) Properties of Matters, Kinetic Theory and Relativity	PHY-201	<ul style="list-style-type: none"> • Properties of matter (Elasticity). • What is kinetic theory of gases • Knowledge of theory of relativity. 	45	40	10	150
	2) Electro-magnetic Induction and Electronic Devices	PHY-202	<ul style="list-style-type: none"> • Concept of electromagnetic induction. • Introduction of semiconductor diodes, diode rectifiers and transistors. • Concept of transistor amplifiers and oscillators. 	45		10	
CO6	1) Number Theory and Trigonometry	12BSM 121	<ul style="list-style-type: none"> • Describe the relation between roots and coefficients. • Analyze the location and describe the nature of the roots of an equation. • Describe the properties of prime numbers. • Define congruence and describe the properties of congruence. 	40		10	150
	2) Ordinary Differential Equations	12BSM 122	<ul style="list-style-type: none"> • Use inverse laplace transform to return familiar functions. • Solve simultaneous linear equations with constant coefficients and total differential equation. • Find the solution of 	40		10	

	3) Vector Calculus	12BSM 123	<p>First order partial differential equations for some standard types.</p> <ul style="list-style-type: none"> • Apply Laplace transform to solve second order linear differential equation and simultaneous differential equation. • Describe the various forms of equation of a plane, straight line, Sphere, Cone and cylinder. • Define coplanar lines and illustrate. • Calculate the Shortest distance between two skew lines. • Evaluate integrals by using Green's Theorem, Stokes theorem, Gauss's theorem. 	40		10	
CO7	1)Inorganic Chemistry	CH-201	<ul style="list-style-type: none"> • Study of hydrogen bonding and Vander wail forces. • Knowledge of s block elements and noble gases. • Detail knowledge of p block elements. 	30	40	08	150
	2)Physical Chemistry	CH-202	<ul style="list-style-type: none"> • Study of chemical kinetics. • Study of electrochemistry. 	29		07	
	3)Organic	CH-203	<ul style="list-style-type: none"> • Study of alkenes. • Study of arenas and 	29		07	

	Chemistry		<ul style="list-style-type: none"> aromaticity. Knowledge of dienes and alkynes. Study of alkyl and aryl halides. 				
CO8	Hindi		<ul style="list-style-type: none"> आधुनिककालकेप्रमुखकवियों कीजानकारी सरकारीपत्रएवंतारलेखन निबंधलेखन वैज्ञानिकशब्दावलीकाअंग्रेजीसे हिंदीमेंअनुवाद 	40		10	50
CO9	1)Computer Programming Thermodynamics	PHY-301	<ul style="list-style-type: none"> Introduction of computer programming and Fortran preliminaries. Knowledge of entropy and laws of thermodynamics, Phase diagram and application of Maxwell relations. 	45	40	10	150
	2) Optics- I	PHY-301	<ul style="list-style-type: none"> Concept of Fourier analysis and Fourier transforms. Introduction of Geometrical Optics. What is Interference. 	45			
CO10	1)Advanced Calculus	12BSM 231	<ul style="list-style-type: none"> Solve problems in a range of mathematical application using the derivative or the integral. Apply the Fundamental Theorem of Calculus. Use appropriate modern technology to explore calculus concepts. 	40		10	150
	2)Partial	12BSM	<ul style="list-style-type: none"> Determine the 	40		10	

	Differential Equations	232	<p>continuity and differentiability of a function at a point and on a set.</p> <ul style="list-style-type: none"> • Use inverse Laplace transform to return familiar functions. • Find the solution of First order partial differential equations for some standard types. • Find a solution of differential equations of the first order and of a degree higher than the first by using methods of solvable for p, x and y. • Extract the solution of differential equations of the first order and of the first degree by variables separable, Homogeneous and Non-Homogeneous methods. 				
3)Statics		12BSM 233	<ul style="list-style-type: none"> • Define catenary and obtain the equation to the common catenary. • Find the tension at any point and discuss the geometrical properties of a catenary. • Discuss Friction, Forces of Friction, Cone of Friction, Angle of Friction and Laws of friction. • Find the resultant of 	40		10	

			coplanar couples, equilibrium of couples and the equation to the line of action of the resultant.				
CO11	1)Inorganic Chemistry	CH-301	<ul style="list-style-type: none"> • Familiarity with chemistry of d block elements. • Study of coordination compounds. • Knowledge of non-aqueous solvents. 	29	40	7	150
	2)Physical Chemistry	CH-302	<ul style="list-style-type: none"> • Study of thermo dynamics. • Familiarity with chemical equilibrium. 	30		8	
	3)Organic Chemistry	CH-303	<ul style="list-style-type: none"> • Study of distribution law. • Study of alcohols, phenols and epoxides. • Knowledge of UV absorption spectroscopy. • Study of carboxylic acids and acid derivatives. 	29		7	
CO12	1)Statistical Mechanics	Phy-401	<ul style="list-style-type: none"> • Concept of Probability and distribution of molecules. 	45	40	10	150
	2)Optics- II	Phy-402	<ul style="list-style-type: none"> • Knowledge of Boltzmann's distribution law and B.E. Statistics. • Concept of Fermi-Dirac statistics. • Interference by Division of 	45		10	

			<p>Amplitude.</p> <ul style="list-style-type: none"> • Fraunhofer diffraction. • Concept of Polarization. 				
CO13	1) Sequences and Series	12BSM 241	<ul style="list-style-type: none"> • Define different types of sequence. • Discuss the behavior of the geometric sequence. • Prove properties of convergent and divergent sequence. • Explain subsequences and upper and lower limits of a sequence. 	40		10	150
	2) Functions and Integral Transforms	12BSM 242	<ul style="list-style-type: none"> • Solve Basic Integral Calculus problems. • Explain properties of definite integrals. • Apply change variable method to find the value of double and triple integral. • Explain properties of Beta functions. 	40		10	
	3) Programming in C and Numerical Methods	12BSM 243	<ul style="list-style-type: none"> • Define Basic concepts of operators Δ, E, ∇ • Find maxima and minima for differential. • Define basic feasible solutions, slack and surplus variable. • Demonstrate Big-M method. 	40		10	
CO14	1) Inorganic	CH-401	<ul style="list-style-type: none"> • Knowledge of 	29	40	7	150

	Chemistry		chemistry off block elements.				
	2)Physical Chemistry	CH-402	<ul style="list-style-type: none"> • Study of theory of qualitative and quantitative inorganic analysis. • Study of thermo dynamics. • Study of electro chemistry. 	30		8	
	3)Organic Chemistry	CH-403	<ul style="list-style-type: none"> • Study of IR spectroscopy. • Study of amines, Diaz onium salts, nitro compounds. • Knowledge of aldehydes and ketones. 	29		7	
CO15	Sanskrit		<ul style="list-style-type: none"> • वेद, उपनिषद, रामायण, तथा महाभारतसे संकलि तसरलपद्योकाज्ञान. • अनुशासनसम्बन्धिता, • पंचतंत्र तथा हितोपदेशकी नैतिक शिक्षासंबन्धी कथाओकाज्ञानकराना. • शब्दरूपोकाज्ञानकरानाधातुरूपो काज्ञानकराना • स्वरसंधिकाप्रयोगमात्र 	40		10	50
CO16	1)Solid State Physics	Phy-501	<ul style="list-style-type: none"> • What is Crystal structure, symmetry operations and Bravais lattices. • Knowledge of crystal planes and Miller indices. • Concept of reciprocal lattice and specific heat. 	45	40	10	150
	2)Quantum	Phy-	<ul style="list-style-type: none"> • Introduction to 	45		10	

	Mechanics	502	<p>quantum mechanics.</p> <ul style="list-style-type: none"> • Knowledge of Schrodinger wave equation, eigen values and eigen functions. • Application of Schrodinger equation. 				
CO17	1)Real Analysis	12BSM 351	<ul style="list-style-type: none"> • Acquire the idea about Riemann Integrability and Riemann Integration. • Gain knowledge of L' Hospital rule and evaluation of limits. • Understand the basic concepts of open sets, closed sets, Cantor sets and metric space. • Become familiar with convergence in metric spaces and theorems on convergence. 	40		10	150
	2)Groups and Rings	12BSM 352	<ul style="list-style-type: none"> • Define subgroup, center, normalizer of a subgroup. • Prove a group has no proper subgroup if it is cyclic group of prime order. • Define homomorphism, kernel of a homomorphism, isomorphism. • Prove Cayley's theorem, the fundamental theorem of homomorphism for groups. 	40		10	
	3)Dynamics	12BSM	<ul style="list-style-type: none"> • Define Projectile, 	40		10	

		353	<p>impulse, impact and laws of impact.</p> <ul style="list-style-type: none"> • Prove that the path of a projectile is a parabola. • Find the direct and oblique impact of smooth elastic spheres. • Find the direct and oblique impact of smooth elastic spheres. 				
CO18	1)Inorganic Chemistry	CH-501	<ul style="list-style-type: none"> • Study of metal ligand bonding in transition metal complexes. • Study of thermodynamics and kinetics aspects of metal complexes. • Study of magnetic properties and electron spectra of transition metal complexes. 	29	40	7	150
	2)Physical Chemistry	CH-502	<ul style="list-style-type: none"> • Study of quantum mechanics. • Study of physical properties and molecular structures. • Detailed study of spectroscopy. 	29		7	
	3)Organic Chemistry	CH-503	<ul style="list-style-type: none"> • Study of NMR spectroscopy. • Knowledge of carbohydrates and their structures. • Study briefly about organometallic. 	30		8	
CO19	1)Atomic, Molecular	Phy-601	<ul style="list-style-type: none"> • Introduction to spin 	45	40	10	150

	and Laser Physics 2)Nuclear Physics	Phy-602	<p>orbit interaction and LS or Russel-Saunders Coupling jj coupling</p> <ul style="list-style-type: none"> • What are Zeeman effect and Paschen, Back effect. • Main features of a laser. • Introduction to Nuclear Physics. • Introduction of light charged particle and Interaction of heavy charged particles. • Nuclear reactions, particle accelerator and Nuclear Reactors. 	45		10	
CO20	1)Real and Complex Analysis	12BSM 361	<ul style="list-style-type: none"> • Calculate exponentials and integral powers of complex numbers. • Define reflection points, concyclic points, inverse points. • Calculate exponentials and integral powers of complex numbers. • Find residues and evaluate complex integrals, real integrals using the residue theorem. 	40		10	150
	2)Linear Algebra	12BSM 362	<ul style="list-style-type: none"> • Discuss the linear transformations, rank, nullity. • Find the characteristic equation, eigen values and eigen vectors of a matrix. • Solve the system of 	40		10	

	3) Numerical Analysis	12BSM 363	<p>simultaneous linear equations.</p> <ul style="list-style-type: none"> • Prove Cayley-Hamilton theorem, Schwartz inequality, Gramschmidtorthogonalisation process. • Find the summation of series finite difference techniques. • Find the solution of ordinary differential equation of first by Euler, Taylor and Runge-Kutta methods. • Derive Simpson's 1/3, 3/8 rules using trapezoidal rule. • Find the solution of the first order and second order equation with constant coefficient. 	40		10	
CO21	1) Inorganic Chemistry	CH-601	<ul style="list-style-type: none"> • Study of organometallic chemistry. • Familiarity with acids and bases. • Study of bio-inorganic chemistry. • Study of silicones and phosphazenes 	29	40	7	150
	2) Physical Chemistry	CH-602	<ul style="list-style-type: none"> • Study of electronic spectrum and photochemistry. • Familiarity with solutions and phase equilibrium. • Study of heterocyclic compounds 	29		7	
	3) Organic	CH-603	<ul style="list-style-type: none"> • Study of organic 	30		8	

	Chemistry		synthesis via enolates and synthetic polymers. • Brief discussion about amino acids, peptides and proteins.				
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Programme Specific Outcomes (PSOs) of B.Sc. (Non-Medical)

- This program aims to provide the students an in-depth understanding and training in chemical services, physics and mathematics.
- Students may pursue a more specialized course of study and become more competitive in their fields of specialization in chemistry, physics and mathematics.
- Students may pursue teaching laboratory work, banking sector or pharmaceutical industry etc.

- To enable the students to have a holistic and all round grooming through professional in the field of IT.
- Ability to understand and analyse a given real world problem and propose feasible computing solutions.
- Ability to transform complex business scenarios and contemporary issues into problem, investigate understand and propose integrated solutions using emerging technologies.
- Inculcate leadership and managerial skills with best professional ethical practices and social concern and will be able to communicate technical information effectively.

Course Outcomes (COs) of Program B.Sc. (Non Med. With Computer Science)

S.No	Name of the Course	Course Code	Course Outcome	Theory Marks	Practical Marks	Internal Marks	Total Marks
CO1	English		<ul style="list-style-type: none"> • To analyze the various elements of english poetry. • To recognize poetry from a variety of culture, language and historical periods. • To communicate to students, the exclusive 	40		10	50

			<p>message of the poetry.</p> <ul style="list-style-type: none"> To enable learners to achieve linguistic competence and to be able to use grammar as a tool in oral and written discourse. 				
CO2	1)Mechanics	PHY-101	<ul style="list-style-type: none"> Knowledge of Mechanics of single and system of particles. Detailed knowledge of generalized coordinates. What is moment of inertia. 	45	40	10	150
	2)Electricity and Magnetism	PHY-102	<ul style="list-style-type: none"> Mathematical background of vectors and electrostatic field. Concept of magneto statistics. Knowledge of electromagnetic theory. 	45		10	
CO3	1)Algebra	12BSM 111	<ul style="list-style-type: none"> Define rings, zero divisors of a ring, integral domain, field and prove theorems Prove a group has no proper subgroup if it is cyclic group of prime order. Define cyclic groups. Prove Cayley's theorem, the fundamental theorem of homomorphism for groups. 	40		10	150
	2)Calculus	12BSM 112	<ul style="list-style-type: none"> Find maxima and minima of function of two variables. Explain subtangent and subnormal. Find angle of intersition of two curves. Find circle, radius and centre of curvature. 	40		10	

	3)Solid Geometry	12BSM 113	<ul style="list-style-type: none"> • Understand geometrical terminology for angles, triangles, quadrilaterals and circles. • Use geometrical results to determine unknown angles. • Recognize line and rotational symmetries. • find the areas of triangles, quadrilaterals and circles and shapes based on these. 	40		10	
CO4	1)Computer Fundamentals & MS-Office	1.1	<ul style="list-style-type: none"> • Basic knowledge of computer fundamentals. • Detail knowledge of peripherals of computers. • Knowledge of software concepts and programming techniques. • Working knowledge of MS-Office and Internet. 	40	50	10	150
	2) Computer Architecture	1.2	<ul style="list-style-type: none"> • Detail Knowledge of Building blocks of circuit design. • Familiarity with the arithmetic and combinational circuits. • Knowledge of sequential circuits. • Familiarity with micro operations, register transfer language. 	40		10	
CO5	1)Properties of Matters, Kinetic Theory and Relativity	PHY-201	<ul style="list-style-type: none"> • Properties of matter (Elasticity). • What is kinetic theory of gases. • Knowledge of theory of relativity. 	45	40	10	150
	2)Electro-magnetic Induction and	PHY-202	<ul style="list-style-type: none"> • Concept of electromagnetic Induction. • Introduction of 	45		10	

	Electronic Devices		<p>semiconductor diodes, diode rectifiers and transistors.</p> <ul style="list-style-type: none"> • Concept of transistor amplifiers and oscillators. 				
CO6	1) Number Theory and Trigonometry	12BSM 121	<ul style="list-style-type: none"> • Describe the relation between roots and coefficients. • Analyse the location and describe the nature of the roots of an equation. • Describe the properties of prime numbers. • Define congruences and describe the properties of congruences. 	40		10	150
	2) Ordinary Differential Equations	12BSM 122	<ul style="list-style-type: none"> • Use inverse Laplace transform to return familiar functions. • Solve simultaneous linear equations with constant coefficients and total differential equation. • Find the solution of First order partial differential equations for some standard types. • Apply Laplace transform to solve second order linear differential equation and simultaneous differential equation. 	40		10	
	3) Vector Calculus	12BSM 123	<ul style="list-style-type: none"> • Describe the various forms of equation of a plane, straight line, sphere, cone and cylinder. • Define coplanar lines and illustrate. • Calculate the shortest distance between two 	40		10	

			<p>skew lines.</p> <ul style="list-style-type: none"> Evaluate integrals by using Green's Theorem, Stokes theorem, Gauss's Theorem. 				
CO7	1)Programming in C	2.1	<ul style="list-style-type: none"> Knowledge of basics of problem solving techniques. Familiarity with basics of C language. Detail knowledge of decision conditional statements and functions in C. Detail knowledge of pointers, arrays and structures in C. 	40	50	10	150
	2)Structured Systems Analysis and Design	2.2	<ul style="list-style-type: none"> Knowledge of system design basics and fact finding. Knowledge of system analysis, Feasibility study and cost benefit. Knowledge of system and output design. Knowledge of system testing, implementation and maintenance. 	40		10	
CO8	Hindi		<ul style="list-style-type: none"> आधुनिककालकेप्रमुखकवियोंकीजानकारी सरकारीपत्रएवंतारलेखन निबंधलेखन वैज्ञानिकशब्दावलीकाअंग्रेजीसेहिंदीमें अनुवाद 	40		10	50
CO9	1)Computer Programming Thermodynamics	PHY-301	<ul style="list-style-type: none"> Introduction of computer programming and Fortran preliminaries. Knowledge of Entropy and laws of thermodynamics. Phase diagram and application of Maxwell relations. 	45	40	10	150

	2) Optics- I	PHY-301	<ul style="list-style-type: none"> • Concept of Fourier analysis and Fourier transforms • Introduction of Geometrical optics. • What is interference. 	45		10	
CO10	1)Advanced Calculus	12BSM 231	<ul style="list-style-type: none"> • Solve problems in a range of mathematical application using the derivative or the integral. • Apply the fundamental theorem of calculus • Use appropriate modern technology to explore calculus concepts. • Determine the continuity and differentiability of a function at a point and on a set. 	40		10	150
	2)Partial Differential Equations	12BSM 232	<ul style="list-style-type: none"> • Use inverse laplace transform to return familiar functions. • Find the solution of First order partial differential equations for some standard types. • Find a solution of differential equations of the first order and of a degree higher than the first by using methods of solvable for p, x and y. • Extract the solution of differential equations of the first order and of the first degree by variables separable, Homogeneous and Non-Homogeneous methods. • Define catenary and 	40		10	

	3)Statics	12BSM 233	<p>obtain the equation to the common catenary.</p> <ul style="list-style-type: none"> Find the tension at any point and discuss the geometrical properties of a catenary. Discuss Friction, Forces of Friction, Cone of Friction, Angle of friction and laws of friction. Find the resultant of coplanar couples, equilibrium of couples and the equation to the line of action of the resultant. 	40		10	
CO11	1) Data Communication and Networking	3.1	<ul style="list-style-type: none"> Detail knowledge of Computer Communications and Networking Technologies. Knowledge of Analog and Digital Communications. Knowledge of Data Link Layer, Network Layer and Routing Concepts. Knowledge Transport layer, Internet Transport protocol. 	40	50	10	150
	2)Object-Oriented Design and C++	3.2	<ul style="list-style-type: none"> Familiarity with Object oriented concepts. Knowledge of Programming in C++ Knowledge of Constructors & Destructors, Dynamic Memory Allocation Familiarity with Compile-Time Polymorphism and Inheritance. 	40		10	
CO12	1)Statistical Mechanics	Phy-401	<ul style="list-style-type: none"> Concept of Probability and distribution of molecules. Knowledge of Boltzman's distribution 	45	40	10	150

	2)Optics- II	Phy-402	<p>law and B.E. Statistics.</p> <ul style="list-style-type: none"> • Concept of Fermi-Dirac statistics. • Interference by Division of Amplitude. • Fraunhoffer diffraction. • Concept of Polarization. 	45		10	
CO13	1)Data Structures with C/C++	4.1	<ul style="list-style-type: none"> • Familiarity with data-structure operations and stacks • Familiarity with queues and linked list. • Detail knowledge of tree structures. • Knowledge graph data structure, sorting and searching. 	40	50	10	150
	2) Operating Systems	4.2	<ul style="list-style-type: none"> • Detail knowledge of operating system functions and characteristics. • Process management. 	40		10	
CO14	1)Sequences and Series Special	12BSM 241	<ul style="list-style-type: none"> • Define different types of sequence. • Discuss the behavior of the geometric sequence. • Prove properties of convergent and divergent sequence. • Explain subsequences and upper and lower limits of a sequence. 	40		10	150
	2)Functions and Integral Transforms	12BSM 242	<ul style="list-style-type: none"> • Solve Basic Integral Calculus problems. • Explain properties of definite integrals. • Apply change variable method to find the value of double and triple integral. • Explain properties of Beta functions. • Define Basic concepts 	40		10	

	3)Programming in C and Numerical Methods	12BSM 243	<p>of operators Δ, E, ∇.</p> <ul style="list-style-type: none"> • Find maxima and minima for differential difference equation. • Define basic feasible solutions, Slack and Surplus variable. • Demonstrate Big-M method. 	40		10	
CO15	Sanskrit		<ul style="list-style-type: none"> • वेद, उपनिषद, रामायण, तथा महाभारतसे संकलित सरल पद्यों का ज्ञान. • अनुशासन सम्बंधिता, • पंचतंत्र तथा हितोपदेश की नैतिक शिक्षासंबंधी कथाओं का ज्ञान कराना. • शब्दरूपों का ज्ञान कराना धातुरूपों का ज्ञान कराना • स्वरसंधिका प्रयोग मात्र 	40		10	50
CO16	1)Solid State Physics	Phy-501	<ul style="list-style-type: none"> • What is Crystal structure, symmetry operations and Bravais lattices. • Knowledge of crystal planes and Miller indices • Concept of Reciprocal lattice and Specific heat. 	45	40	10	150
	2)Quantum Mechanics	Phy-502	<ul style="list-style-type: none"> • Introduction to quantum mechanics. • Knowledge of Schrodinger wave equation, eigenvalues and eigen functions. • Application of Schrodinger equation. 	45		10	
CO17	1)Database Management System	5.1	<ul style="list-style-type: none"> • Basic Concepts of Database Management System (DBMS). • Understanding of Database System Architecture & Data Models. • Introduction to Entity-Relationship Model & 	40	50	10	150

	2)Introduction to Internet & Web Technologies	5.2	<p>Normalization.</p> <ul style="list-style-type: none"> • Programming Language –SQL • Introduction to Internet & Conferencing Concepts • Understanding of basic definitions of Internet • Introduction to HTML • Creating Web Page Graphics & Animated Graphic 	40		10	
CO18	1)Real Analysis	12BSM 351	<ul style="list-style-type: none"> • Acquire the idea about Riemann Integrability and Riemann Integration. • Gain knowledge of L' Hospital rule and evaluation of limits. • Understand the basic concepts of open sets, closed sets, Cantor sets and metric space. • Become familiar with convergence in metric spaces and theorems on convergence. 	40		10	150
	2)Groups and Rings	12BSM 352	<ul style="list-style-type: none"> • Define subgroup, center, Normalizer of a subgroup. • Prove a group has no proper subgroup if it is cyclic group of prime order. • Define homomorphism, kernel of a homomorphism, isomorphism. • Prove Cayley's theorem, the fundamental theorem of homomorphism for groups. 	40		10	

	3)Dynamics	12BSM 353	<ul style="list-style-type: none"> • Define Projectile, impulse, impact and laws of impact. • Prove that the path of a projectile is a parabola. • Find the direct and oblique impact of smooth elastic spheres. • Find the direct and oblique impact of smooth elastic spheres. 	40		10	
CO19	1)Atomic, Molecular and Laser Physics	Phy-601	<ul style="list-style-type: none"> • Introduction to spin orbit interaction and LS or Russel-Saunders Coupling jj coupling. • What are Zeeman effect and Paschen, Back effect. • Main features of a laser. 	45	40	10	150
	2)Nuclear Physics	Phy-602	<ul style="list-style-type: none"> • Introduction to Nuclear Physics. • Introduction of light charged particle and Interaction of heavy charged particles. • Nuclear reactions, particle accelerator and Nuclear Reactors. 	45		10	
CO20	1)Visual Basic Programming	6.1	<ul style="list-style-type: none"> • Introduction to VB & Event driven programming. • Basics of Programming in VB. • Decisions and conditions & Arrays in VB. • Understanding Procedures, working with forms & Database Programming using DAO & ADO. 	40	40	10	150
	2)Software Engineering	6.2	<ul style="list-style-type: none"> • Introduction to Software and software engineering. 	40		10	

			<ul style="list-style-type: none"> • Understanding of Software Requirements Analysis and Specifications. • Software project management and planning. • Design and implementation of software. 				
CO21	1)Real and Complex Analysis	12BSM 361	<ul style="list-style-type: none"> • Calculate exponentials and integral powers of complex numbers. • Define reflection points, concyclic points, inverse points • Calculate exponentials and integral powers of complex numbers. • Find residues and evaluate complex integrals, real integrals using the residue theorem. 	40		10	150
	2)Linear Algebra	12BSM 362	<ul style="list-style-type: none"> • Discuss the linear transformations, rank, nullity. • Find the characteristic equation, eigen values and eigen vectors of a matrix. • Solve the system of simultaneous linear equations. • Prove Cayley-Hamilton theorem, Schwartz inequality, Gram Schmidt Orthogonalisation process. 	40		10	
	3)Numerical Analysis	12BSM 363	<ul style="list-style-type: none"> • Find the summation of series finite difference techniques. • Find the solution of ordinary differential equation of first by Euler, Taylor and 	40		10	

Runge-Kutta methods.

- Derive Simpson's $1/3$, $3/8$ rules using trapezoidal rule.
- Find the solution of the first order and second order equation with constant coefficient.

Programme Outcomes (PSOs) of course BTM

- To develop a professional attitude.
- Under and appreciate the role of different stakeholders in tourism industry.
- To be able to solve the problems related to Tourism sector through research work at national and international level.
- Understand the principal of tourism industry.
- To be able to achieve the knowledge about the framework of tourism sector.
- Understand the operating system of start up a business.
- To understand the work and environment through practical knowledge in the industry.

Course Outcomes (COs) of Program BTTM

S. No	Name of the course	Course Code	Course outcome	Theory Marks	Internal Marks	Practical Marks	Project Marks	Total Marks
CO1	Basics of Tourism	15BTT M101	<ul style="list-style-type: none"> • To know about the importance of tourism industry. • To learn about the world tourism organization and their key roles and function. • To study about the economic impacts of tourism industry in India. • To get a brief knowledge about tourist classification and their problems and issues. 	80	20	-----	-----	100
CO2	TPI (Natural)	15BTT M102	<ul style="list-style-type: none"> • To get the complete knowledge of India, its physiographic need, climatic region and others factors also. • To learn brief study about mountain ranges of India and their importance in tourism industry • To understand the complete study of central plains of India and related factors with it importance in tourism industry. • To learn about the general features of Peninsula and how it plays a main role to attract the tourist 	80	20	-----	-----	100
CO3	Adv. Tourism (Air Base)	15BTT M103	<ul style="list-style-type: none"> • To Study about the main features of adventure Tourism, importance, main role 	80	20	-----	-----	100

			<p>in Tourism industry.</p> <ul style="list-style-type: none"> • To Know about the basic requirement of adventure Tourism and main problems related to adventure tourism • To search the impacts of adventure tourism on different sectors and stakeholders. • To understand the role of adventure tourism in career prospective and job opportunities. 					
CO4	Geography of Tourism	15BTT M104	<ul style="list-style-type: none"> • To gain the knowledge about world geography and study of map • To understand or gain the information about geographical model. • To be able to achieve the knowledge about the continent of the world. • To understand the factors of Indian subcontinent & importance of its for international tourism. 	80	20	-----	-----	100
CO5	Applications of Computers	15BTT M105	<ul style="list-style-type: none"> • To know in detail about computer and its major features with it need of computer in hospitality sector. • To learn about major components of computer in Hardware form. • To get the much knowledge of computer software system with it to gain 	80	20	50	-----	150

			<p>the knowledge of MS Word, MS Excel & MS PowerPoint</p> <ul style="list-style-type: none"> • To know about the internet and its related major factor. • To understand the operating system of internet at World Level. 					
CO6	Personality Development	15BTT M106	<ul style="list-style-type: none"> • To learn that how a person can develop the personality. • To know about the better communication skills • To understand the different level of Etiquettes. • To be able to know about do's and don'ts. • To learn about how to deal with other person at work place. 	-----	-----	100	-----	100
CO7	Travel Agency and Tour Operations	15BTT M201	<ul style="list-style-type: none"> • To know about the working system of Travel Agency & Process for Approval of Travel agency. • To understand the duties and role and functions of a Travel Agent. • To gain the complete knowledge about Tour packaging preparations of itineraries, Practical Exercise and Market Research. • To achieve the knowledge of inbound and outbound Tourism 	80	20	-----	-----	100

			with it types of Tour package pricing & handling booking techniques.					
CO8	TPI (Religious)	15BTT M202	<ul style="list-style-type: none"> • To learn about the importance of religious Tourism in India& its role in tourism industry. • To be able to achieve a depth knowledge about the Hinduism, Buddhism, Jainism. • To be able to achieve a depth knowledge about the Islam, Christian, Sikhism. • To gain the knowledge about many Tourist destinations on India & Religion effects on these destinations. 	80	20	-----	-----	100
CO9	Tourism Organization s	15BTT M203	<ul style="list-style-type: none"> • To know about the role and functions of major Tourism organizations at national and international. • To understand or read the history objectives functions membership working styles UNWTO & WTTC. • To understand or read the history objectives functions membership working styles PATA & IATA. • To understand or read the history objectives functions membership working styles TAAI & IATO 	80	20	-----	-----	100

			&FHRAI.					
CO10	Field Trip Report	15BTT M204	<ul style="list-style-type: none"> • For gain the knowledge about major Tourism destinations of India. • To be able to concern the problem of tourist after complete research. • To understand the process or flow of tourist in India as well as outside to India. • Be aware of problems or issues which create on tourism destinations after the return of the tourist. 					
CO11	Foundation Course in Management	15BTT M205	<ul style="list-style-type: none"> • To learn the role of management in every Business Sector with it. The complete information of management and related factors. • To be able to explain about the role of planning in business growth and different mode of planning. • To learn about the working nature and different forms of organization structure and main important part of organization. • To understand how motivation is nervous system of business and which factors affectit. 	80	20	-----	----	100
CO12	Business Communication	15BTT M206	<ul style="list-style-type: none"> • To Study of communication process role, mediums barriers and importance in business. 	80	20	50	----	150

			<ul style="list-style-type: none"> • To understand the main role of written communication in different formats and main style of written communication. • To learn that speeches are necessary part of development and growth in business sector. • To get complete information about RTI submission, how to apply, penalties and charges. 					
C013	Environmental sciences	15BTT M207	<ul style="list-style-type: none"> • To know about the natural resources their use and utilization. • To understand the eco system ecological pyramids forest eco system grassland eco system desert eco system. • To be able to solve the problem of environmental pollution and their hazards on nature and human. • To aware about the sustainable development and environmental protection act to conserve the environment. 	-----	-----	Grade A,B,C	-----	-----
C014	Disaster Management	15BTT M208	<ul style="list-style-type: none"> • To know about the concept of disaster and their hazards on the society and people. 	80	20	-----	-----	100

			<ul style="list-style-type: none"> • To understand the impacts in terms of cast, gender, age, class, locations, disability among the people. • To be able to solve the problem of disaster, risk reduction and their approaches with its analysis of disaster cycle. • To aware about the disaster risk management relief, DM act and policy and vulnerability profile of India. 					
CO15	TPI –III (Cultural)	15BTT M301	<ul style="list-style-type: none"> • A complete information about the Indian Culture and relationship with tourism in India. • To aware about the Indian architecture with religious heritage sites in prospect of tourism. • To be able to discuss the major fairs and festivals of India with their significance for tourism. • To understand the various dances and music of India. 	80	20	-----	-----	100
CO16	Transport Management	15BTT M302	<ul style="list-style-type: none"> • To understand the development of transport sector and use of transportation in tourism industry. 	80	20	-----	-----	100

			<ul style="list-style-type: none"> • Tourism is set to boom in India with help of airline and cargo management. • To be aware of various accessibilities, surface transport in Indian tourism. • To be able to understand the status and role of Indian railway in promotion of tourism. 					
CO17	Eco Tourism	15BTT M303	<ul style="list-style-type: none"> • To understand the concept of Eco tourism growth, development and profiling the eco tourist in the destination. • To understand eco-tourism resources in India i.e. Natural Parks, Wildlife sanctuaries, wetlands and coral reefs. • To know about national tourism policy for the development of eco-tourism and eco safe practices in the various islands in Kerala. • To able to understand community for tourism and tourism for community for participation & awareness among tourist. 	80	20	-----	-----	100
CO18	TMIS	15BTT M304	<ul style="list-style-type: none"> • To gain about the knowledge of data information and generation of information 	80	20	-----	-----	100

			<p>technology with role of computer management</p> <ul style="list-style-type: none"> • To understand the management information system and control system with computer network. • To solve the problem of system analysis and design with data base management system in PC software. • To be able to understand the use of CRS in rail transport, hotel booking and airline ticketing. 					
CO19	Airlines Ticketing	15BTT M305	<ul style="list-style-type: none"> • To study about the airline geography with IATA areas and aviation organization. • To search the basic requirement for international travel i.e. passport and visa. • To gain the knowledge about OAG three letter code and airport code for issuance of air ticket. • To be able to understand the currency required for business traveler and leisure traveler also the use of travel card and credit card. 	80	20	-----	-----	100
CO20	Hotel and Resort Management	15BTT M306	<ul style="list-style-type: none"> • To learn about the size and scope of hotel industry with their objectives and meal plan, types of 	80	20	-----	-----	100

			<p>rooms.</p> <ul style="list-style-type: none"> • To able to understand different types of department in hotel industry with professional telephone etiquettes • To be aware about the roles and responsibilities of front office manager with revenue generate for the accommodation industry. • To know about the role of food and beverage department dining and drinking facilities according to the need and requirement of the guest. 					
CO21	Emerging trends in tourism	15BTT M401	<ul style="list-style-type: none"> • To gain the knowledge about emerging trends and dimensions in India. • To learn about the rural tourism in India because the resources available in India at rural and natural areas. • To study about the concept of MICE and trade fairs at different destination of India. • To understand about the medical tourism concept in India, major markets of India medical tourism resources available in India. 	80	20	-----	-----	100
CO22	TPI-IV(Medical)	15BTT M402	<ul style="list-style-type: none"> • To know about the medical tourism in Asia with their nature and scope. • To learn about the 	80	20	-----	-----	100

			<p>ethical issues for medical tourism, travel formalities, marketing medical tourism.</p> <ul style="list-style-type: none"> • To search the major destination for medical tourism, multi-specialty hospital with the potential impact of medical tourism in India. • To aware about the regularities laws and Indian health care therapy and medicine. 					
CO23	Adv. Tourism-II(Water Base)	15BTT M403	<ul style="list-style-type: none"> • To study about the importance of water base adventure tourism and main role of adventure in tourism industry. • To Know about the basic requirement of adventure Tourism and main problems related to adventure tourism. • To search the impacts of adventure tourism on different sectors and stakeholders. • To understand the role of adventure tourism in career prospective and job opportunities. 	80	20	-----	-----	100
CO24	International Tourism	15BTT M404	<ul style="list-style-type: none"> • To gain the knowledge about International tourism based on variables direction of movement and 	80	20	-----	-----	100

			<p>motivations of tourist.</p> <ul style="list-style-type: none"> • To understand the types of tourist with their needs and requirement. • To be able to understand types of tourism with characteristics of major tourist generating states. • To get the in depth knowledge about International i.e. China, Thailand, Switzerland, USA and Japan. 					
CO25	Foreign Language - I (French)	15BTT M405	<ul style="list-style-type: none"> • To learn about the vocabulary and written expression of French language. • To understand or learn about the knowledge of grammar and introduction. • To gain the knowledge about articles, tenses of French language. • To achieve the knowledge of different form of sentences, translation, verbs, adjectives in frenchlanguage. 	80	20	50	-----	150
CO26	AccountingF or Hospitality and Tourism	15BTT M406	<ul style="list-style-type: none"> • To describe the theory of accounting and principles functions and need to study of accounting. • To get the knowledge of accounting records in multiple forms. • To be able to understand the financial statement and preparation of final account. • To gain the complete 	80	20	-----	-----	100

			knowledge about computer application – preparation of records.					
CO27	Adventure Tourism-III (Land Based)	15BTT M501	<ul style="list-style-type: none"> • To study about the scope and nature of land base adventure tourism and main role of adventure in tourism industry • To Know about the basic requirement of adventure Tourism and main problems related to adventure tourism • To search the impacts of adventure tourism on different sectors and stakeholders. • To understand the role of adventure tourism in career prospective and job opportunities. 	80	20	-----	-----	100
CO28	Travel Documentation	15BTT M502	<ul style="list-style-type: none"> • To know about the Passport and Visa and their importance in tourism industry. • To learn about the FEMA, Indian Currency and Foreign currency • To understand that requirement of Visa for major tourist destination and their types. • To gain the knowledge about many tourist Visa for another country and their procedure. 	80	20	-----	-----	100
CO29	Field Trip-II	15BTT M503	<ul style="list-style-type: none"> • To learn and understand about the major impacts of tourism industry on tourism destinations of India Tourism. 	50	50	-----	-----	100

			<ul style="list-style-type: none"> • To gain the knowledge about the research work on tourism destinations • To achieve the practical knowledge of industry and its outcomes • To know about the linkage of tourism industry with other sectors in India 					
CO30	Foreign language-II	15BTT M504	<ul style="list-style-type: none"> • To read and learn about the grammar of French and oral performance in French with it the basic knowledge of French • To understand the verbs in French and conversation part of French • To gain the knowledge on vocabulary, invitation of French Language. • To reach or learn of expression, interrogation and comprehension form of French language. 	80	20	50	-----	150
CO31	Marketing for Hospitality & Tourism	15BTT M205	<ul style="list-style-type: none"> • To be able to understand the process, concept, characteristic of marketing. • To know about the overall environment, factors affecting and buying behavior in market and marketing. • We aware of distribution channel, intermediaries, product life cycle, approaches and so on factors in tourism 	80	20	-----	-----	100

			<p>marking.</p> <ul style="list-style-type: none"> • To describe about the public relations sales promotion, integrated communication, direct marketing, changing face of marketing. 					
CO32	Human Resource Management	15BTT M506	<ul style="list-style-type: none"> • To understand the concept, role, functions, scope, issues of human resource management. • To understand process job recruitment and selection procedures with it other important factors which are related to employees' welfare and growth. • To know about the process and methods of training with it related factors which are directly linked with employee's growth. • To be able to know the working part of industry as well as relative factor this includes compensation, equity, salary payments, and 360 feedbacks and so on. 	80	20	-----	-----	100
CO33	Training Report	15BTT M601	<ul style="list-style-type: none"> • To learn the work of tourism industry and its consequences • To understand working environment of industry and its 	100	100	-----	-----	200

			<p>outcomes.</p> <ul style="list-style-type: none"> • To be able to learn the working style and relative factor of industry. • We aware of the drawbacks and problems which are linked with tourism industry. 					
CO34	Project Report	15BTT M602	<ul style="list-style-type: none"> • To know about different methods of operating style in tourism industry. • To maintain the work on daily routine bases in different books. • To be able to explain the work and its concern factors. 	100	100	-----	-----	200
CO35	Event Management	15BTT M701	<ul style="list-style-type: none"> • To understand the value of event management in industry and to know about the related factors. • We aware of important factors which are necessary in event, growth and four positive outcomes also. • To learn or understand the role of marketing and related factors in succession of event management. • To be able to learn about the event internal as well as external factors which are play a major role in event completion. 	80	20	-----	-----	100

CO36	Tourism Economics	15BTT M702	<ul style="list-style-type: none"> • To understand the concept, relevance, trade, cost in tourism economics and so other factors which are necessary part of economics. • To read and learn the concept of Demand and its influence on tourism industry. • To be able to understand the pattern, and concern factors of supply and role of supply in tourism growth. • To be able to understand the economic impact of tourism and its outcomes in industry this affects directly the image of any country. 	80	20	-----	-----	100
CO37	Research Methodology	15BTT M703	<ul style="list-style-type: none"> • To learn about the introductory part of research and research design. • To know in brief about the sampling design and data collection with its role of data in research methodology. • To understand in clear about the analysis and processing of data. • To be able to learn about the report writing and related important factors with its problems and challenges which are faced in report writing. 	80	20	-----	-----	100

CO38	Retail Management	15BTT M704	<ul style="list-style-type: none"> • To describe the concept, functions, evaluation, challenges in retail management with it relationship of retail and marketing. • To able to know about the models, theory, life cycle of retail. • To gain the knowledge about retail consumer and servicing and CRM in retail management in sector. • To be able to understand that how retail management is important part in market. 	80	20	-----	-----	100
CO39	Environmental Practices in Hospitality & Tourism	15BTT M705	<ul style="list-style-type: none"> • To understand the environmental, global, economical impact in tourism sector. • To know about the social and culture impact of tourism on artisans and craft production. • To know about the environmental impacts on wild life, islands, beaches, rivers, lakes, hills, and mountains. • To be able the role of political impact in sustainable development, ethics, legislation with it to learn the EIA analysis. 	80	20	-----	-----	100

CO40	Safety & Security Management	15BTT M706	<ul style="list-style-type: none"> • To understand about the safety and security management in hotel sector. • To be able that how we can reduce or remove the natural and manmade calamities. • We aware of risk management and with it related factors which are helpful in response. • To be able to solve the problem which are related to job safety, security and accidental activities. 	80	20	-----	-----	100
CO41	Training Report	15BTT M801	<ul style="list-style-type: none"> • To learn the work of tourism industry and its consequences. • To understand working environment of industry and its outcomes. • To be able to learn the working style and relative factor of industry. • We aware of the drawbacks and problems which are linked with tourism industry. 	100	100	-----	-----	200
CO42	Project Report	15BTT M802	<ul style="list-style-type: none"> • To know about different methods of operating style in tourism industry. • To maintain the work on daily routine bases in different books. • To be able to explain the work and it's concern factors. • To understand the value of tourism industry. 	100	100	-----	-----	200

Programme Specific Outcomes (PSOs) of Program B.A-JMC

- To instill knowledge and fundamentals of communication in the students and hone written and spoken communication skills essential for various media platforms.
- To enable the students to understand the concept, scope and significance of mass communication.
- Understanding the crucial role played by newspaper in society and the concept of news with its types, elements and sources.
- Defining various aspects of editing and the nuances involved in newspaper page designing and typography.
- Examining various forms of reporting and news writing with a thorough understanding of the structure of news writing.
- Exploring various aspects of advertising, publicrelations, constitution, media laws and ethics, polity and economy etc. to have deep understanding about the subject.

Course Outcomes (COs) of Program B.A-JMC

S.No.	Name of the Course	Course Code	Course Outcome	Theory Marks	Internal Assessment Marks	Practical Marks	Total Marks
CO1	Introduction to Communication -I	BAJ10 1	<ul style="list-style-type: none"> • Students would be able to develop the concept of communication. • Students would be able to strengthen the types of communication. • Students would be able to develop the basic elements of mass communication. • Students would be able to develop the concept of communication, culture & socialization 	80	20		100
CO2	Communicative Hindi-I	BAJ10 2	<ul style="list-style-type: none"> • Students would be able to strengthen oral communication skills in Hindi /Regional language. • Students would be able to develop the knowledge of written in Hindi / Regional language. • Students would be able to improve vocabulary in Hindi /Regional language. • Students would be able to enrich the knowledge of synonyms, antonyms, idioms and phrases. • Students would be able to inculcate the knowledge of grammar in Hindi /Regional 	80	20		100

			Language.				
CO3	Communicative English -1	BAJ10 3	<ul style="list-style-type: none"> • Student will be able to understand parts of speech. • Student will be able to recognize and incorporate proper grammars and mechanics including types of sentences, article, punctuations, prepositions and prepositional phrases. • Students will be able to learn about adjective and adjective phrases, common errors and conjunctions. • Student will be able to understand compound words, antonyms, synonyms, prefixes and suffixes. 	80	20		100
CO4	Essentials of Writing	BAJ10 4	<ul style="list-style-type: none"> • Students would be able to understand the concept of writing and creative writing. • Students will be able to have the understanding of impactful writing. • Students would be able to develop the knowledge of forms of writing. • Student will be having the knowledge of 	80	20		100

			employment communication.				
CO5	Computer Application –I	BAJ10 5	<ul style="list-style-type: none"> • Student will learn about computer. • Students will be able to understand about hardware and software. • Student will have the knowledge of Operating system and types of memory. • Student will learn about applications of MS- OFFICE, PageMaker and Quark Express. 	80	20		100
CO6	Introduction to Communication –II	BAJ10 6	<ul style="list-style-type: none"> • Students would be able to develop the concept of communication. • Students would be able to inculcate the knowledge of communication models. • Students would be able to strengthen the barriers to communication. • Students would be able to introduce themselves to the theories of communication. 	80	20		100
CO7	Communicative Hindi-II	BAJ10 7	<ul style="list-style-type: none"> • Students would be able to strengthen oral communication skills in Hindi language. • Students would be able to understand the importance of language in media. • Students would be able to enrich the knowledge of 	80	20		100

			<p>mediavocabulary.</p> <ul style="list-style-type: none"> • Students would be able to inculcate the knowledge media writing and creative writing. 				
CO8	Communicative English –II	BAJ10 8	<ul style="list-style-type: none"> • Students would be able to strengthen oral communication skills in Hindi /Regional language. • Students would be able to develop the knowledge of written in Hindi / Regional language. • Students would be able to improve vocabulary in Hindi /Regional language. • Students would be able to enrich the knowledge of synonyms, antonyms, idioms and phrases. • Students would be able to inculcate the knowledge of grammar in Hindi /Regional Language. 	80	20		100
CO9	Creative and Journalistic Writing	BAJ10 9	<ul style="list-style-type: none"> • Student will be having the knowledge of creative writing. • Student will be able to understand the difference between Essay and Article; Article and feature. • Student will be able to develop the knowledge of editorial writing, 	80	20		100

			<p>article writing and letters to Editor.</p> <ul style="list-style-type: none"> • Student will be able to inculcate the knowledge of different types of Reviews and media writings. 				
CO 10	Computer Application –II	BAJ110	<ul style="list-style-type: none"> • Student will learn about computer. Networks and formatting techniques. • Students will be able to understand about Internet. • Student will have the knowledge of WWW. Emailing and important internet sites. • Student will learn about social media sites, blogging and search Engines etc. 	80	20		100
CO 11	Sociology	BAJ111	<ul style="list-style-type: none"> • Students would be able to understand the sociological concept and theories. • Students would be able to understand the importance of sociology. • Students would be able to create understanding of the human society. • Students would be able to develop the knowledge of Indian Culture and Society. • Students would be able to inculcate the knowledge of current socio – 	80	20		100

			cultural issues.				
CO 12	Political Science	BAJ11 2	<ul style="list-style-type: none"> • Students would be able to understand the concept of political science and its importance for media students. • Students would be able to understand the importance of political thought. • Students would be able to create understanding of the Democracy;rights and liberty; equality and justice • Students would be able to develop the knowledge of Indian constitution. 	80	20		100
CO13	Introduction to mass communication	BAJ11 3	<ul style="list-style-type: none"> • Students would be able to develop the concept of Mass communication. • Students would be able to strengthen the elements, functions and process of Mass communication. • Students would be able to develop the knowledge of tools and role of mass communication. • Students would be able to understand the major theories of mass communication. 	80	20		100
CO14	News Writing-I	BAJ11 4	<ul style="list-style-type: none"> • Students will be able to know about the basics of news writing. • Student will be having the 	80	20		100

			<p>knowledge of the theory methods and practices of gathering information and writing news.</p> <ul style="list-style-type: none"> • Students would be able to understand different writing techniques. • Student will be having the knowledge of types of news, news features, news analysis and backgrounders. 				
CO15	Print production	BAJ11 5	<ul style="list-style-type: none"> • Students would be able to understand the Printing Process. • Students would be able to inculcate the knowledge of Layout Designing and D.T.P. • Students would be able to develop the knowledge of Newspaper make – up and Magazine Layout. • Students would be able to create understanding of visual communication and use of Multi – Media. 	80	20		100
CO16	Psychology	BAJ11 6	<ul style="list-style-type: none"> • Making familiar with the concept of psychology and its relationship with other social sciences. 	80	20		100

			<ul style="list-style-type: none"> • Acquaintance with application of psychology, elements of human behavior and types of attitude. • Acquaintance with Cognitive process, intelligence and creativity. • Acquaintance with motivation personality. 				
CO17	Economics	BAJ11 7	<ul style="list-style-type: none"> • Making familiar with the concept of economics and its relationship with other social sciences. • Acquaintance with principals of demand and supply; union budget, and economic growth and development. • Acquaintance with basic features of Indian economy and planning process. • Acquaintance with globalization, liberalization, privatization and swadeshi concept; current economic issues. 	80	20		100
C018	Print Media	BAJ11 8	<ul style="list-style-type: none"> • Students would be able to understand the origin of Indian print media and its role in freedom movement and 	80	20		100

			<p>social reformation.</p> <ul style="list-style-type: none"> • Students would be able to inculcate the knowledge of PCI and Press commissions. • Students would be able to develop the knowledge of news agencies. • Students would be able to create understanding of emerging trends of Indian print media. • Students would be able to gain knowledge about the types of magazines. 				
CO19	News writing –II	BAJ11 9	<ul style="list-style-type: none"> • Students will be able to know about the basics of writing for radio and television. • Student will be having the knowledge of the Radio features, Radio Talk. Radio Interview. • Students would be able to understand the method of script writing for radio and television Programmes. • Student will have the knowledge of web writing. • Students will have the essentials of writing for advertising, copy writing, PR and Press release. 	80	20		100
CO20	Production Portfolio-I	BAJ12 0	<ul style="list-style-type: none"> • Student would be able to write letter to editor, news 			100	100

			<p>stories, and article on social issues, film reviews, book reviews, and bio data with forwarding letter, editorial.</p> <ul style="list-style-type: none"> • Student would be able to know how to take interviews. • Learner will gain the knowledge of creative writing. 				
CO21	Reporting	BAJ12 1	<ul style="list-style-type: none"> • Learners would be able to understand the basics of reporting. • Learners would be able to understand the reporting techniques and duties of reporter. • Learners would be able to familiarize themselves with different types of reporting. • Learners would be able to understand the basics of reporting for Radio and T.V. 	80	20		100

CO22	Public Relations	BAJ12 2	<ul style="list-style-type: none"> • Learner would learn about the definitions and concepts and history of public relations. • Students would be able to know the difference between the PR, Publicity, Propaganda and Public Opinion. • Learner would gain knowledge about PR Tools. • Learner would gain knowledge of stages of PR. 	80	20		100
CO23	Introduction to Electronic Media	BAJ12 3	<ul style="list-style-type: none"> • Learner would learn about the glorious history of radio. • Students would be able to know the about the radio Programmes, equipment's, community Radio and educational radio etc. • Learner would gain knowledge about television as a medium of communication. • Learner would gain knowledge about the recent trends in T.V Broadcasting. 	80	20		100
CO24	Media laws and Ethics	BAJ12 4	<ul style="list-style-type: none"> • Shall have understanding of our Indian constitution. • Shall get aware to legal aspects of the media and its values. • Shall have an 	80	20		100

			<p>overview of recent changes and future challenges of media regulations.</p> <ul style="list-style-type: none"> • Shall have understanding of media ethics. • Shall know how media laws and ethics empower media Practitioners to perform their duties with commitment. 				
CO25	Media Management	BAJ12 5	<ul style="list-style-type: none"> • Shall have understanding of Media Management. • Shall get aware to media ownership patterns, news agencies and organizational structure of newspapers • Shall have an overview of organizational structure of advertising agencies, radio and T.V. • Shall have an understanding of government agencies, media marketing and media houses. 	80	20		100
CO26	Editing	BAJ12 6	<ul style="list-style-type: none"> • Student would be able familiarize themselves with the basics of editing • Students would be 	80	20		100

			<p>able to inculcate the knowledge of editorial desk in newspapers and magazines and the roles and responsibilities of staff.</p> <ul style="list-style-type: none"> • Students would be able to understand the copy editing and role and responsibilities of sub editor and chief sub editor • Students would be able to introduce themselves to the editing symbols and types of editing. 				
CO27	Advertising	BAJ12 7	<ul style="list-style-type: none"> • Learner would learn about the concept of advertising. • Students would be able to know about the classification of advertisement. • Learner would gain knowledge about advertising agencies. • Learner would gain knowledge about advertising campaign, ad appeal, copy writing visualization and basics of preparing Ads. 	80	20		100

CO28	Introduction to New Media	BAJ12 8	<ul style="list-style-type: none"> • Learner would learn about the new media • Students would be able to know about the cyber media, cyber space cyber journalism and information super highway. • Learner would gain knowledge about writing for new media. • Learner would gain knowledge about important Indian news portals, e-magazines, web journals and socio-cultural impact of new media. 	80	20		100
CO29	Media and Society	BAJ12 9	<ul style="list-style-type: none"> • Learner would learn about the relationship between media and society. • Students would be able to know about the media literacy and impact of media on children and youth. • Learner would gain knowledge about violence in media. • Learner would gain knowledge about the media accountability and other media related issues. 	80	20		100

CO30	Production Portfolio-II	BAJ130	<ul style="list-style-type: none"> • Student would be able to write press release, news scripts for radio and television. • Student would be able to make posters on social issues. • Learner will gain the knowledge of different types of advertisements. • Student will be able to cover the seminars, workshops and conferences. 			100	100
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Programme Specific Outcomes (PSOs) of Program BA

- Understanding of the finer nuances of life.
- Developing finer and deeper feelings and values to live a more meaningful and richer life.
- Promoting creativity and critical thinking.
- Developing a well-rounded and more wholesome personality.
- Promoting a more liberal and broader outlook on life.
- In the context of the study of History, developing a deeper understanding of the historical perspective and a finer sense of history.
- In the context of the study of Political Science, developing a strong civic sense and a good understanding of the polity, the Constitution and the vital institutions of the State.
- In the context of the study of Hindi, Sanskrit and English as subjects, (a) developing literary sensibility and a finer appreciation of literature as a mirror of life (b) getting a better grasp of and becoming proficient in the use of the above languages.
- In the context of the study of Geography, developing a clear sense of geography, understanding the science behind it and the impact of geographical locations on life in different regions.
- In the context of the study of Mathematics, developing the understanding of modern mathematical expressions and calculations and their applications.

Course Outcomes (COs) of Programme BA (History)

S. No	Name of the course	Course Code	Course outcome	Theory Marks	Internal Assessment Marks	Total Marks
C01	Ancient India from Early to 1200 AD	HR01	<ul style="list-style-type: none"> • To learn about sources, Pre-historical age and Harrapan Civilization of Ancient India. • To learn about Vedic Age Territorial States and New Religious Movements. • To learn about Foreign Invasion Maurayan Age, Gupta Period. 	80	20	100
C02	Medieval India from 1200 to 1707.	HR02	<ul style="list-style-type: none"> • To learn about Delhi Sultanat and Rise of Regional States. • To learn Invasion of Babur and Expansion of Mughal Empire. • To know about institutional Development, Economics Aspect and Socio-Religious Life during Medieval Period. 	80	20	100
C03		HR03	<ul style="list-style-type: none"> • To learn about British Conquest of Indian and Revolt of 1857. • To learn about Social Nad Economic Condition of India of 18th Century. • To learn about Emergence of Nationalism, INC, National Freedom Movement and Constitutional Development of India. 	80	20	100
C04	History of Haryana from Early to 1947	HR04	<ul style="list-style-type: none"> • To learn about Regional History of Haryana: Stone Age, Kurus, and Battle of Mahabharata and Rise of Republic. • To learn about Battle of Tarain, Panipat, and Political Development in 18th century in Haryana. • To learn about Political and Social Reaction of British Rule and Freedom Movement in Haryana 	80	20	100

C05	Ancient and Medieval World	HR05	<ul style="list-style-type: none"> • To learn about Pre-Historic Culture and Bronze Age Civilization of the World. • To learn about Iron Age Civilization and Feudalism in Medieval Europe. • To learn about Islamic World and Renaissance and Reformation in Europe. 	80	20	100
C06	Modern World	HR06	<ul style="list-style-type: none"> • To learn about Economic Development and Capitalism, Agricultural Revolution and Imperialism. • To learn about Political Development: French Revolution, Russian Revolution and Nationalism in Germany and Italy. • To learn about Communist Revolution in China and First World War and Peace Settlements. 	80	20	100

Course Outcomes (COs) of BA Economics

S. No.	Name of the Course	Course Code	Course Outcome	Theory Marks	Internal Assessment Marks	Total Marks
CO1	Micro Economics 1	-----	<ul style="list-style-type: none"> • Students will learn the basic reason of economic problem and working of economic systems. • Students understand the theory of consumer behavior and the principles underlying consumer equilibrium. • Students get to know the laws and theories of production and related concepts of supply and elasticity. • Develop an understanding of cost and revenue curves. 	80	20	100
CO2	Micro Economics 2	-----	<ul style="list-style-type: none"> • Understanding of perfect competition and monopoly markets and setting prices of outputs in these 2 market types. • Students to grasp the concept of monopolistic and oligopoly types of markets and actual working of markets using models. • Help students in understanding market efficiencies and inefficiencies and reasons for market success and failure. • Help students in knowing the distribution of national output among various factors of production. 	80	20	100
CO3	Macro Economics 1	-----	<ul style="list-style-type: none"> • Understanding of macro-economic activity of income, output and its measurement. • Determination of national income using expenditure method. • Determination of national income in an economy using taxes and government expenditure. • Determination of GDP using aggregate demand and aggregate supply. 	80	20	100

CO4	Macro Economics 2	-----	<ul style="list-style-type: none"> • To help students learn the concept of money and its demand and supply. • Learn models of economic growth and working of trade cycles in the economy. • Develop understanding of gains from international trade and determination of exchange rates and balance of payments. • Help students understand the principles underlying public finance. 	80	20	100
CO5	Development Economics	-----	<ul style="list-style-type: none"> • Help students understand characteristics and working of developed and developing countries. • Learn various models to tackle issues of development. • Deal with environmental economics and linkages between population and environment. • To elaborate further the causes and consequences of environmental pollution and its control by government policies. 	80	20	100
CO6	International Economics	-----	<ul style="list-style-type: none"> • Understanding of international trade and the reasons behind inter-regional and international trade. • Determination of exchange rates and analyzing their change. • Learning India's foreign trade and its growth and changes in BOP. • Understanding of various international bodies like World Bank and IMF. 	80	20	100

Course Outcomes (COs)of Program BA English

- The study of English literature, consisting of prose, fiction, drama and poetry spread over all the six semesters, is expected to give the students a keen insight into and understanding of literature in all its dimensions as well as to help them develop a literary sensibility. As literature, to a large extent, mirrors life, the study of literature is expected to give the students a greater and more sensitive understanding of life. The ultimate aim is to make them deeper, finer and more refined human beings.
- The study of Phonetics spread over these semesters is meant to give the students a basic understanding of the science of English language with a view to making them learn the correct pronunciation of words, thus making them more proficient in the use of the language.
- The emphasis on grammar in all the semesters is meant to ensure that the grammatical base, being very important, becomes sound so that the students develop an adequate understanding of the basic structure of the language and then build upon it.
- The running emphasis on vocabulary in all the semesters is also laudable and is expected to empower students with the understanding of more and more words and phrases so that they can well understand English and become comfortable in using it in speaking and writing.
- Then there is composition work, including paragraph, essay, letter, précis, abstract and summary writing as well as developing stories and essays from the given outlines which is expected to help the students hone their understanding of English and improve their writing skills in this language.
- In a nutshell, the prescribed courses are expected to make the students reasonably adept in the use of the English language as well as make them finer and more rounded human beings through the study of the various genres of literature.

Course outcomes (COs) of Programme B.A. Sanskrit

S. No	Name of the course	Course Code	Course Outcome	Theory Marks	Internal Assessment Marks	Total Marks
C01	<p>यूनिट-१ संस्कृतवाग्व्यवहारः</p> <p>यूनिट-२ हितोपदेशः (मित्रलाभः)</p> <p>यूनिट -३ (क) शब्दरूपाणि (ख) धातुरूपाणि</p> <p>यूनिट-४सन्धि यूनिट-५छन्दांसि</p>	ES-01	<ul style="list-style-type: none"> ● संस्कृतभाषामेंवाग्व्यवहारकाज्ञानजैसेशिष्टाचार , मेलजोलइत्यादि ● हितोपदेशकीकथाओकेमाध्यमसेनैतिकशिक्षा काज्ञान ● विभक्तियोंऔरलिंगोकेमाध्यमसेशब्दरूपोंकाज्ञान कराना ● परस्मैपदी(भू,पठ,हसइत्यादि) धातुओकेपांचलकारोकाज्ञानकराना ● संधि,संधि-विच्छेदतथाअचंसंधिएवंउसकेभेदोकाज्ञानकराना ● संस्कृतपद्योंमेंमात्राओआदिकाज्ञानतथाछंदोकी पूर्तिकाज्ञानकराना 	80	20	100
C02	<p>यूनिट -१ (क) हिंदीसेसंस्कृतमेंसरलवाक्योंकाअनुवाद</p> <p>(ख) कण्ठस्थश्लोक</p> <p>यूनिट-२ संस्कृतग्रंथानुशीलनम (क) दूतवाक्यम (भास)</p> <p>(ख) शुकनासोपदेशः (कादम्बरीतः)</p> <p>यूनिट-३ (क) शब्दरूपाणि (ख) धातुरूपाणि</p> <p>यूनिट -४सन्धि यूनिट -५छन्दांसि</p>	ES-02	<ul style="list-style-type: none"> ● विभक्तियोंकेअनुरूपहिंदीसेसंस्कृतमेंसरलवाक्योंकेअनुवादकाज्ञानकराना ● श्लोककंठस्थकराना ● महाकविभासकीनाट्यशैलीकेअंतर्गतदूतवाक्यं नाटककाज्ञानकराना ● बाणभट्टकीकथाकादम्बरीकाशुकनासोपदेशका अध्ययन ● सातविभक्तियोंऔरतीनोलिंगोंमें(सर्व,तद,एतद इत्यादि)काज्ञानकराना ● आत्मनेपदी (सेव,लभ,याचइत्यादि) एवंउभयपदीधातुओं (कृ,नी,भजआदि)पांचलकारोंमेंज्ञानकराना ● हलसंधिएवंविसर्गसंधिकेनियमोतथाभेदो,प्रभेदोंकाज्ञानकराना ● छंदोकेअंतर्गतवंशस्थ,शिखरिणीमन्दाक्रान्ताइत्यादिछंदोकाज्ञानकराना 	80	20	100
C03	<p>यूनिट-१ संस्कृत- व्यवहार -साहस्री</p> <p>यूनिट-२ रामायणबालकाण्ड</p>	ES-03	<ul style="list-style-type: none"> ● संस्कृतभाषामेंवाग्व्यवहारका(परीक्षा,वेशभूषा, भोजन,चलचित्रइत्यादि)वाक्योंकाज्ञानकराना ● रामायणकेबालकाण्डकेप्रथमसर्गकीचर्चा ● व्याकरणकेअंतर्गततद्धितप्रत्ययों (मत्प,इनि,ठक, त्वा,तलआदि) 	80	20	100

	<p>यूनिट- ३ व्याकरण (क) तद्धितप्रत्यय (ख) धातुओंकीणि जन्तवसन्नतरूप (ग) समास यूनिट- ४ हिंदीसेसंस्कृतमें अनुवाद</p>		<p>काज्ञानकराना</p> <ul style="list-style-type: none"> ● कतिपयधातुओंकेणिजन्तएवंसन्नतरूपोंकाज्ञानकराना ● अव्ययीभावएवंतत्पुरुषसमासकाज्ञानकराना ● सरलसंस्कृतअनुवादकेनियमएवंअभ्यासकराना 			
C04	<p>यूनिट- १ श्रीमदभगवद्गीता ता (द्वितीयअध्याय) यूनिट- २ रघुवंशमहाकाव्य म(द्वितीयसर्ग) यूनिट- ३ (क) कृदन्तप्रत्यय (ख) समास यूनिट- ४ प्रत्याहारसूत्रलघु सिध्दान्तकौमुदीयू निट- ५ संस्कृतमेंपत्रलेख न</p>	ES-04	<ul style="list-style-type: none"> ● श्रीमदभगवद्गीताकेसांख्ययोग (द्वितीयअध्याय) मेंकृष्णद्वाराविषादग्रस्तअर्जुनकोदिणएउपदेशो काज्ञानकराना ● रघुवंशमहाकाव्यकेद्वितीयसर्गमेंराजादिलीपद्वा राकीगयीगौ- सेवाकेज्ञानकावर्णनएवंमहाकविकालिदासकी काव्यकलासेअवगतकराना ● धातुओंसेलगनेवालेक्त, क्तवतु, क्त्वा, अनीयर आदिप्रत्ययोंकाज्ञानकराना ● द्वन्द्वएवंबहुव्रीहिसमासकेनियमोंकाज्ञानकराना ● प्रत्याहारसूत्रअथवामाहेश्वरसूत्रोंकाज्ञानतथाप्र त्याहारबनानेकीविधिकाज्ञानकराना ● संस्कृतभाषामेंपत्रलेखनकेनियमएवंपत्रलेखन काअभ्यासकराना 	80	20	100
C05	<p>यूनिट - १ संस्कृतवाग्व्यवहा रः यूनिट- २ अभिज्ञानशाकुन्त लम (१-४ अंकपर्यन्त) यूनिट- ३ संस्कृतसाहित्य काइतिहास यूनिट - ४ लघुसिध्दान्तकौमु दी</p>	ES-05	<ul style="list-style-type: none"> ● संस्कृतवाग्व्यवहारकाज्ञानकराना(समय, दूरभा ष, वाणिज्यआदि) ● महाकविकालिदासकीनाट्यकलाकाज्ञानकरा ना ● चारोवेदो, ब्राह्मणग्रंथो, आरण्यक, एवंउपनिषदत थाषडवेदाङ्गोंकासंक्षिप्तपरिचय ● स्त्रीप्रत्ययोंकेनियमोंकाज्ञान 	80	20	100
C06	<p>यूनिट-१ संस्कृतवाग्व्यवहा रः यूनिट- २ अभिज्ञानशाकुन्त लम(5-7) यूनिट- ३ संस्कृतसाहित्य काइतिहास यूनिट - ४</p>	ES-06	<ul style="list-style-type: none"> ● संस्कृतवाग्व्यवहारसाहस्रीकाज्ञान ● महाकविकालिदासकीभाषाशैलीएवंनाट्यक लाकाज्ञान ● लौकिकसाहित्यकेअंतर्गत रामायण, महाभारत, अश्वघोष, भास, कालिदास, आदिकासंक्षिप्तपरि चय ● संस्कृतभाषामेंनिबंधलेखनकेनियमएवंसरलवि षयोपरनिबंधलेखनअभ्यास 	80	20	100

	(क) निबंध (ख) अलंकार		• काव्यमेशब्दालंकारों एवं अर्थालंकारों का ज्ञान कराना			
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Course Outcomes (COs) of Program B.A. (Political Science)

S. No	Name of the Course	Course Code	Course Outcome	Theory Marks	Internal Assessment Marks	Theory Marks
1.	Indian Constitution	PS01	<p>Helpful in becoming a good citizen.</p> <ul style="list-style-type: none"> • Understanding the Indian Political System. • Understanding Political Practices. • To be able to know government's working skills or attitude. 	80	20	100
2.	Indian Politics	PS02	<ul style="list-style-type: none"> • Understanding Federal Governance System. • To be able to learn current Changes happening in the India Union. • Helpful in knowing election Process & Voting behaviour in India. • Understanding the factors affecting Indian Politics. 	80	20	100
3.	Principles of Political Science	PS03	<ul style="list-style-type: none"> • Understanding the meaning of nature of Political science. • To be able to learn how society & state were formed. • Role of welfare state in present time. • Understanding the importance of sovereignty for a country. 	80	20	100
4.	Principles of Political Science	PS04	<ul style="list-style-type: none"> • To be able to know the needs & importance of human rights. • This spirit helps students to become good citizens. • To be able to know how social changes affect human life. • Understanding how democracy be strengthen through RTI. 	80	20	100
5.	Comparative Politics	PS05	<ul style="list-style-type: none"> • To be able to solve social problems through awareness. • Students can help in development of the country. • Helpful in knowing the contribution of constitutions in peaceful administration. • Helps in knowing the political system of India. 	80	20	100

6.	Comparative Constitution of UK and USA	PS06	<ul style="list-style-type: none">• It increases knowledge of international politics.• Gain knowledge about the governance system of other countries.• Knowledge of the functioning of political parties of other countries.	80	20	100
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Course Outcomes (COs) of Programme B.A (Hindi)

S.No.	Name of the course	Course Code	Course Outcome	Theory Marks	Internal Assessment Marks	Theory Marks
C-01	यूनिट-1 मध्यकालीनकाव्य यूनिट-2 हिंदीसाहित्ययूनिट-3 भारतीयकाव्यशास्त्र	(HI01)	<ul style="list-style-type: none"> भक्तिकाल (कबीरदास,सूरदास,तुलसीदास,मीराबाईरसखान) वरीतिकाल (बिहारीलालघनानंद) कवियोंकाजीवनएवंसाहित्यिकपरिचयवरचनार्ये हिंदीसाहित्येतिहासलेखनकीपरंपरा, आदिकालकानामकरणपरिस्थितियाँ, साहित्यकीप्रवृत्तियाँएवंरासोकाव्यपरंपराकाज्ञानप्राप्तकरना काव्यशास्त्रमेंकाव्यकेतत्व, रसः स्वरूपऔरअंगवरसकेभेद,अलंकार, छंद, शब्दशक्ति, काव्यगुण, आदिकीजानकारी 	80	20	100
C-02	यूनिट-2 ध्रुवस्वामिनी (नाटक) यूनिट-2 हिंदीसाहित्यकाभक्तिकाल यूनिट-3 व्यावहारिकहिंदी	(HI02)	<ul style="list-style-type: none"> जयशंकरप्रसादकेनाटकध्रुवस्वामिनीकाप्रतिपाद्य, पत्रयोजना, अभिनेयतावप्रसादकीनाट्यकलासीखना भक्तिकालपरिस्थितियोंएवंप्रवृत्तियोंकीजानकारीप्राप्तकरना भाषाकीविविधरूप (बोली, मानकभाषा, राजभाषा, मातृभाषा), भाषाकेप्रमुखप्रवृत्तियाँ,हिंदीवर्णमाला (स्वरएवंव्यंजन) हिंदीवर्तनीकीसमस्याएवंसमाधानकीजानकारी मुहावरेएवंलोकोक्तियाँ 	80	20	100
C-03	यूनिट-1 आधुनिकहिंदी यूनिट-2 हिंदीसाहित्यकारीतिकाल यूनिट-3 प्रायोजनमूलकहिंदी: कंप्यूटिंगऔरअनुवाद	HI03	<ul style="list-style-type: none"> आधुनिककालकेकवि('हरिऔध', मैथलीशरणगुप्त, महादेवीवर्मा, जयशंकरप्रसाद, 'निराला', दिनकरएवंभारतभूषणअग्रवाल) कीप्रमुखरचनायेएवंसाहित्यिकपरिचय रीतिकालकीप्रमुखपरिस्थितियोंएवंप्रवृत्तियोंकीजानकारी कंप्यूटरकेस्वरूपऔरमहत्वई-मेल : प्रेषक-ग्रहण, इन्टरनेटकेस्वरूपएवंउपयोगिता, मशीनीअनुवादकीपरिभाषाऔरस्वरूपकीजानकारी 	80	20	100
C-04	यूनिट-1 कथाक्रम यूनिट-2 हिंदीसाहित्यका आधुनिककाल : गद्य	HI04	<ul style="list-style-type: none"> ईदगाह(प्रेमचंद), पुरस्कार(जयशंकरप्रसाद), गैंग्रिन(अज्ञेय), मलबेकामालिक (मोहनराकेश), ठेस(फणीश्वरनाथरेणु), फैसला(मैत्रीयपुष्पा), पच्चीसचौकाडेढसौ (ओमप्रकाशवाल्मीकि), कहानीकारोकेसाहित्यिकपरिचय, कहानियोंकेवस्तुएवंकलापक्षकीजानकारी आधुनिककालकीपरिस्थितियाँ, हिंदीकहानी, उपन्यास, 	80	20	100

	यूनिट-3 पारिभाषिकशब्दावली		<p>नाटकएवंनिबंधकेउद्भवऔरविकासकीजानकारी</p> <ul style="list-style-type: none"> ● पारिभाषिकशब्दावली : स्वरूपऔरमहत्वएवंगुण ● पारिभाषिकशब्दावलीकेनिर्माणमेंसक्रियविविधसंप्रदायः राष्ट्रीयतावादी, अंतर्राष्ट्रीयतावादी, समन्वयवादीआदिकीजानकारी 			
C-05	यूनिट-1 समकालीनहिंदीक विता यूनिट-2 हिंदीसाहित्यकाआ धुनिककालः कविता यूनिट-3 प्रयोजनमूलकहिन्दी	HI05	<ul style="list-style-type: none"> ● प्रयोगवादीवसाठोत्तरीकविताओंकेप्रमुखकवियोंकासाहित्यिकपरिचयएवंउनकीप्रमुखरचनाओंकेकथ्यपरप्रकाश ● हिंदीसाहित्यकेआधुनिककाल (भारतेदुयुगद्विवेदीयुग, छायावाद, प्रगतिवाद, प्रयोगवादनयीकविताएवंसमकालीनकविता) कीपरिस्थितियोंएवंप्रवृत्तियोंकीजानकारी ● पत्रलेखनकेस्वरूपऔरउसकेविविधभेदतथापल्लवनवसं क्षेपणकीजानकारी 	80	20	100
C-06	यूनिट-01 नव्यतरगद्यविद्यायें यूनिट-02 हरियाणवीभाषाऔर साहित्यकाइतिहास यूनिट-03 प्रयोजनमूलकहिंदी- पत्रकारिता	HI06	<ul style="list-style-type: none"> ● हिंदीसाहित्यकीनयीगद्यविधायो (निबंध, ललितनिबंध, व्यंग्य, संस्मरण, यात्रावृत्तांत) आदिकेलेखकोंएवंउनकीरचनाओंकीजानकारी ● हरियाणवीभाषाकाउद्भवऔरविकास, प्रमुखबोलियों, एवंआधुनिकसाहित्य (कविताएवंगद्य) कापरिचयऔरप्रवृत्तियाँ ● पत्रकारिताकास्वरूपऔरप्रकार, शीर्षककीसंरचना, संपादककीगुणऔरदायित्व, फीचरलेखनएवंस्वतंत्रलेखनकीअवधारणा 	80	20	100

**Program Outcomes (POs) of General Higher Education Programs
(POST GRADUATE)**

PO1. Greater understanding of the subject: Deeper understanding of the subject/field as compared to under graduates.

PO2. Inculcation of greater self-learning ability: Greater ability to understand concepts and imbibe skills on the strength of their mature understanding and stronger knowledge base as compared to undergraduate students.

PO3. Contribution to Society: Ability to apply their greater knowledge and understanding of the subject for their own career making as well as for the benefit of the society at large.

PO4. Values and Ethics: To further strengthen and hone the values acquired so far so that they can become enlightened and responsible global citizens.

PO5. Communication and Transactional Skills: To enable them to further strengthen their communication and transactional skills to make them more productive, aggregative and better adjusted members of society.

Programme Specific Outcomes (PSOs) of M.A. (English)

- Acquire the linguistic basis that enable them present and explain various concepts and issues and participates in the dissemination of them.
- Acquire the linguistics competence required in different professions.
- Develop their intellectual, personal and professional abilities.
- Students would have gained knowledge for analyzing a work of art.
- To get an insight into the society, politics and art and how they affect literature.
- To appreciate new developments in literature and language.
- To emphasize the significance of reading and writing skills.

COURSE OUTCOMES (COs) of Program M.A.(ENGLISH)

S.No	Name of the course	Course Code	Course Outcome	Theory Marks	Internal Marks	Total Marks
CO 1	English Literature (1350-1650)- I	16ENG2 1HC1	<ul style="list-style-type: none">• Improves vocabulary & verbal dexterity.• Improves critical thinking• Improves verbal skills & memory• Acquaints the reader with unfamiliar terms.	80	20	100
CO2	English Literature (1350-1660)- II	16ENG2 1HC2	<ul style="list-style-type: none">• Develops Creativity.• Develops emotional intelligence• Allows student to communicate and understand others.• Drama students have less problem speaking in public.	80	20	100
CO3	English Literature (1660-1798)- I	16ENG2 1HC3	<ul style="list-style-type: none">• Students witness changing trends in Literature• Provides insight at heart of restoration Literature• Develops a satirical note in Literature• Develops conceptual traits among students	80	20	100

CO4	English Literature (1660-1798)-II	16ENG2 1HC4	<ul style="list-style-type: none"> • To expose Learners to the changing trends in English Poetry. • To acquaint students about Prose Allegory • To know the silent features of Anti Sentimental comedy • To make them aware about restoration comedy. 	80	20	100
CO5	Study of Language-I	16ENG2 1HC5	<ul style="list-style-type: none"> • Improves critical thinking and analytical skills. • Helps improve pronunciation and communication skills. • Learn various approaches to teaching and learning methods. • To expose learners to various forms of discourse 	80	20	100
CO6	English Literature (1798-1914)-I	16ENG2 2HC1	<ul style="list-style-type: none"> • Familiarize students with features of Romantic Poetry. • Acquaint learners with unique quality of essays. • To understand the spirit of Romantic Age & its works. • Make Learners aware of the characteristics of Literature of the era. 	80	20	100
CO 7	English Literature (1798-1914)-II	16ENG2 2HC2	<ul style="list-style-type: none"> • Familiarize with Jane Austen's writings. • Enable to learn the spirit of Victorian England. • Learn the revolutions and movements of the era. • Expose to various aspects of fiction writing. 	80	20	100
CO 8	Study of Language-II	16ENG2 2HC3	<ul style="list-style-type: none"> • Learn various forms of discourse. • Learn writing skills. • Provide insight into the native language. • Expose them to theoretical and practical of manifestation of linguistics. 	80	20	100

CO 9	Drama Studies –I	16ENG2 2SC2	<ul style="list-style-type: none"> • To expose learners about a few representative classics in translation. • To learn and understand the various genre studies. • To learn and understand the thematology and methodology. • To expose learners to the theories in comparative literature. 	80	20	100
CO 10	Drama Studies-II	16ENG2 2SC5	<ul style="list-style-type: none"> • Provide exposure to students to diverse culture. • To gain better understanding of our own culture and other culture. 	80	20	100
Open Elective	Environmental Issues	16ENV0 1	<ul style="list-style-type: none"> • Students go for environmental advocacy • Environmental consultancy • Environmental impact assessment • Go for electronic and print media 	80	20	100
Foundation Course	Communication and Soft Skills	16IMSF2	<ul style="list-style-type: none"> • To enable students, communicate ethically. • To enhance creativity. • To develop soft skills. • To deal with dynamic environment. 	80	20	100
CO11	English Literature (1914-1950)	17ENG23 C1	<ul style="list-style-type: none"> • To understand the writing trends of modern age. • To learn modern perception of literature. • The era mark the steady rise of poetry. • Learn to develop new concept in poetry. 	80	20	100
CO12	Indian Writings in English-I	17ENG23 C2	<ul style="list-style-type: none"> • To make aware of Indian sensibility. • To learn changing trend in English literature. • Develop sensibility and emotions. • Enables students to learn about literature. 	80	20	100

CO13	Diasporic Literature-I	17ENG23 C3	<ul style="list-style-type: none"> • Study multiculturalism through Diasporic writings. • Fill cultural gap among students. • Make aware of Diasporic traits. • Acquaint with the concept of diaspora. 	80	20	100
CO14	Literary Criticism and Theory-I	17ENG23 C4	<ul style="list-style-type: none"> • To eliminate the errors of articulation. • Help to develop literary sensibility. • Introduce to a variety of critical approaches. • Develop critical thinking. 	80	20	100
CO15	Literature & Ethnicity-I	17ENG23 D1	<ul style="list-style-type: none"> • Exposure to multicultural literature. • Benefits student thought processes about race. • Ethnic diversity has a positive effect on students. • Bridging the gap among students from diverse cultural backgrounds. 	80	20	100
Open Elective	Disaster Management	16ENVO 2	<ul style="list-style-type: none"> • Equips students with potential disasters, precautions and rescue operations. • Makes student one skilled relief team at various levels. • Enables students to impart professional training to others. • DM knowledge will equip one to impart education related to potential disasters. 	80	20	100
CO16	English Literature 1950 Onwards	16ENG24 C1	<ul style="list-style-type: none"> • Gives emphasis on creativity and complexity • Learn diverse experiences • Gives importance to multiple perspectives • Enables their personal narrative approach 	80	20	100

CO17	Indian Writings in English II	16ENG24 C2	<ul style="list-style-type: none"> • Understand, analyze and appreciate various texts with comparative perspectives • Trace the evolution of literary culture in India • Appreciate the nature of Indian Literature and its attributes. • Develop ability to pursue research in this field 	80	20	100
CO18	American Literature	16ENG24 C3	<ul style="list-style-type: none"> • Introduce learners to significant aspects of various genres • Aware of representative works • Get acquainted with the richness of American Lit. • Learning diverse cultures 	80	20	100
CO19	Literary Criticism and Theory II	16ENG24 C4	<ul style="list-style-type: none"> • To perceive the paradigm shifts of theories • Enrich with various theories • Develop cultural literacy • Enable to identify .analyze and interpret critical ideas 	80	20	100
CO20	Literary and Ethnicity II		<ul style="list-style-type: none"> • Ability to nurture respect and empathy • Promotes unity among different cultures • Develop global awareness • Assist students with their identity formation 	80	20	100

PROGRAMME SPECIFIC OUTCOMES (PSOs) of Program M.COM

- To develop the decision making skill through costing methods, practical application of Management accounting techniques and statistical techniques.
- To impart the knowledge of Accounting Standards and Cost Accounting standards and the latest application oriented corporate accounting methods.
- To create awareness in application oriented research through search for business decisions.
- To enhance the computer literacy and its applicability in business through latest version on Tally, SPSS and E-commerce principles.
- To enhance the horizon of knowledge in various field of commerce through International Business environment, Strategic management, Financial management, International marketing, Entrepreneurship Development, Investment management.

COURSE OUTCOMES (COs) OF PROGRAMME M.COM (CBCS)

S.No	Name of the Course	Course Code	Course Outcome	Theory Marks	Internal Marks	Project work Marks	Total Marks
CO1	Accounting Standard and Financial Reporting	16MCO 21C1	<ul style="list-style-type: none">• Understand the history of accounting standard setting in the United States and apply this history when explaining the current standard setting environment.• Understand and reflect upon the international development in accounting, accounting regulations etc.• Understand and reflect upon the conceptual framework in IFRS.• Consider the role of contemporary and audit related issues on the quality of reports.	80	20		100
CO2	Statistical Analysis for Business	16MCO 21C2	<ul style="list-style-type: none">• Develop the students ability to deal with numerical and quantitative issues in business.• To enable the use of statistical, graphical and algebraic techniques wherever relevant.• Understand and critically discuss the issues	80	20		100

			<p>surrounding sampling and significance.</p> <ul style="list-style-type: none"> Describe and discuss the key terminology, concepts, tools and techniques used in business statistical analysis. 				
CO3	Managerial Economics	16MCO 21C3	<ul style="list-style-type: none"> Able to analyze the demand and supply condition and assess the position of a company. Design competition strategies, including costing, pricing, product differentiation and market environment according to the nature of products and the structures of the markets. Analyze real world business problems with a systematic theoretical framework. Understand the basic concepts of Managerial Economics. 	80	20		100
CO4	Computer Application in Business	16MCO 21C4	<ul style="list-style-type: none"> Demonstrate a basic understanding of computer Hardware and Software. Demonstrate basic understanding of network principles. Operate a variety of advanced spreadsheet, operating system and word processing functions. Students will attain an ability to use current techniques, skills and tools necessary for computing practice. 	60		40	100
CO5	Entrepreneurship Development	16MCO 21D5	<ul style="list-style-type: none"> Understand different entrepreneurship theories and their implications. Understand different methods to assess the attractiveness of business 	80	20		100

			<p>opportunities.</p> <ul style="list-style-type: none"> • Understand what characterize an attractive business opportunity and common pitfalls during the entrepreneurial process. • Understand different methods that can be used to minimize uncertainties at different stages of the entrepreneurial process. 				
CO6	Business Environment	16MCO 21D5	<ul style="list-style-type: none"> • Understand about the various constituents of global business environment. • Understand the effects of government policy on the economic environment. • Apply the trade theories, investment theories and regional trade bloc theories and their impact on economic welfare. • Discuss how financial information is utilized in business. 	80	20		100
CO7	Management Accounting	16MCO 22C1	<ul style="list-style-type: none"> • Apply managerial accounting and its objectives in a way that demonstrates a clear understanding of ethical responsibilities. • Analyze cost volume profit techniques to determine optimal managerial decisions. • Prepare a master budget and demonstrate an understanding of the relationship between its components. • Outline and apply management tools and 	80	20		100

			techniques such as target costing, quality costing, Activity Based costing, life cycle costing etc.				
CO8	Investment Management	16MCO 22C2	<ul style="list-style-type: none"> • Develop investment policy statements for institutions and investors. • Develop an appropriate portfolio for a given investor and market conditions. • Understand how to allocate investments into stock and bond portfolios in accordance with a person's risk preference. • Understand and critically evaluate investment advice from brokers and the financial press. 	80	20		100
CO9	Financial Management	16MCO 22C3	<ul style="list-style-type: none"> • Understand the concepts and theories underlying financial management. • To be able to evaluate the financial decisions and its implications for the shareholders and the company. • Identify funding sources, instruments and markets. • To be competent to analyze and evaluate information for financial planning, control and decision making. 	80	20		100
CO10	Strategic Financial Management	16MCO 22D4	<ul style="list-style-type: none"> • Consolidate knowledge of and apply the technical language and practices of financial Management. • Understand sophisticated 	80	20		100

			<p>financial analysis with regard to corporate valuation, interest rate and currency risk management and present the information in an appropriate format.</p> <ul style="list-style-type: none"> • Evaluate, synthesize and apply the contemporary theories and empirical evidence concerning financial management to a range of problems and situations. • Identify and assess the potential impact of emerging issues in finance and financial management. 				
CO11	Organizational Behavior	16MCO 22D4	<ul style="list-style-type: none"> • Demonstrate the applicability of the concept of organizational behavior to understand the behavior of people in the organization. • Demonstrate the applicability of analyzing the complexities associated with management of individual behavior in the organization. • Analyze the complexities associated with management of the group behavior in the organization. • Demonstrate how the organizational behavior can integrate in understanding the motivation behind behavior of people in the organization. 	80	20		100
CO12	Fundamentals of	16IMSO 1	<ul style="list-style-type: none"> • Understand the management evolution and how it will 	80	20		100

	Management		<p>affect future managers.</p> <ul style="list-style-type: none"> Practice the management's four functions; planning, organising, leading and controlling. Identify and properly use vocabularies within the field of management to articulate one's own position on a specific management issue and communicate effectively with varied audiences. Evaluate leadership styles to anticipate the consequences of each leadership style. 				
CO13	Communication and soft skills	16IMSF 2	<ul style="list-style-type: none"> To develop communication skills as well as positive personality traits. To acquire a language suitable for technical communication. Able to appreciate any piece of writing and comprehend it. Able to write papers, proposals, reports etc. 	40	10		50
CO14	Portfolio Management	17MCO 23C1	<ul style="list-style-type: none"> Understand the various alternatives available for investment. Learn to measure risk and return. Find the relationship between risk and return. Gain knowledge of the various strategies followed by investment practitioners. 	80	20		100
CO15	Corporate Tax	17MCO 23C2	<ul style="list-style-type: none"> Able to describe how the provisions in the corporate 	80	20		100

			<p>tax laws can be used for tax planning.</p> <ul style="list-style-type: none"> • Able them to explain different types of incomes and their taxability and expenses and their deductibility. • Able to state the use of deductions of expenses to reduce the taxable income. • Able to outline the corporate tax laws. 				
CO16	Marketing Concepts and Decisions	17MCO 23D3	<ul style="list-style-type: none"> • Understand the marketing concept and how we identify, understand and satisfy the need of customers and markets. • Analyze companies and competitors and to introduce marketing strategy to increase awareness of the strategic and tactical decisions behind today's top performing brands. • Successfully identify viable segmentation and targeting approaches for markets. • Developing marketing plans including marketing mix. 	80	20		100
CO17	Service Marketing	17MCO 23D4	<ul style="list-style-type: none"> • To provide students with an appreciation of concepts, functions and techniques of the concept of marketing services. • To provide a customer service oriented mindset. • Identify critical issues in service design including the nature of service product and markets, building the service models and creating 	80	20		100

			<p>customer value.</p> <ul style="list-style-type: none"> • Demonstrate ability in evaluating service designs. 				
CO18	Disaster Management	16ENV O2	<ul style="list-style-type: none"> • Understand foundation of hazards, disasters and associated natural/social phenomena. • Familiarity with disaster management theory (cycle, phase). • Knowledge about existing global frameworks and existing agreements. • Methods of community involvement as an essential part of successful Disaster management. 	80	20		100
CO19	Advanced Cost Accounting	17MCO 23D4	<ul style="list-style-type: none"> • Able to understand inventory control techniques: ABC, VED, MRP 1, JIT etc. • Able to understand and apply MRP II, ERP, Lean Accounting etc. techniques for management of resources of an enterprise. • Explain the role of process costing within organization and prepare and interpret the same. • Explain integrated and non integrated cost accounting systems and its control. 	80	20		100
CO20	Cost Accounting Standards and Reporting	17MCO 24C1	<ul style="list-style-type: none"> • Understand and explain the conceptual framework of cost accounting standards. • Explain basic concepts and principles in the determination of cost of products and services. • Understand the different cost accounting standards. • To provide an in depth study 	80	20		100

			of the cost accounting principles and techniques for identification, analysis and classification of cost components to facilitate managerial decision making.				
CO21	Business Research Methods	17MCO 24C3	<ul style="list-style-type: none"> • To develop understanding of the basic framework of research process. • To develop an understanding of various research designs and techniques. • To identify various sources of information for literature review and data collection. • Understand some basic concepts of research and its methodologies. 	80	20		100
CO22	Corporate Tax Planning and Management	17MCO 24C2	<ul style="list-style-type: none"> • Able to describe how the provisions in the corporate tax laws can be used for tax planning. • Able them to explain different types of incomes and their taxability and expenses and their deductibility. • Able to state the use of deductions of expenses to reduce the taxable income. • Able to outline the corporate tax laws. 	80	20		100
CO23	Human Resource Management	17MCO 24D4	<ul style="list-style-type: none"> • Contribute to the development, implementation and evaluation of employee recruitment, selection and retention plans and processes. • Administer and contribute to the design and evaluation of the performance 	80	20		100

			<p>management programme.</p> <ul style="list-style-type: none"> • To integrate the knowledge of HR concepts to take correct business decisions. • To develop necessary skills set for application of various HR issues. 				
CO24	Strategic Management	17MCO 24D4	<ul style="list-style-type: none"> • To expose students to various perspectives and concepts in the field of strategic management. • Enable the students to understand the principles of strategy formulation, implementation and control in organization. • To help students develop skills for applying these concepts to the solution of business problems. • To help student master the analytical tools of strategic management. 	80	20		100
CO25	International Marketing	17MCO 24D6	<ul style="list-style-type: none"> • To develop an understanding of major issues related to international marketing. • To develop skills in researching and analyzing trends in global markets and in modern marketing practices. • To enable to assess on organization's ability to enter and compete in international markets. • Communicate effectively in oral and written forms about international marketing using appropriate concepts, logic and rhetorical conventions. 	80	20		100
CO26	International Business	17MCO 24D5	<ul style="list-style-type: none"> • Students are expected to enhance their cognitive 	80	20		100

	Environment		<p>knowledge of global issues, interpersonal skills with individuals from various cultures and social responsibilities awareness on global issues.</p> <ul style="list-style-type: none"> • Understand the key legal issues related to businesses operating in other countries • Understand the institutions that shape the global market place. • Understand how international factors affect domestic concerns. 				
CO27	Cost Management	17MCO 24D6	<ul style="list-style-type: none"> • Students will be able to demonstrate ability to make managerial use of cost data for control , planning, evaluation and forecasting. • Understand the modern method of activity based costing and able to apply it in relevant situation • understand the concept of productivity, value chain analysis, supply chain analysis and its importance for taking competitive advantage • Understand the concept and methodology of Target Costing and major areas of Business process outsourcing 	80	20		100

Programme Specific Outcomes (PSOs) OF M.Sc. (Computer Science)

- To be able to comprehend, understand & analyse Computer Science problems and relate them with real life.
- Ability to identify, analyse and solve research based interdisciplinary computational challenges.
- Apply their knowledge and experience on modern computing tools and platforms and continuing professional development.
- Utilize the computational knowledge efficiently for societal and environmental concerns.
- Produce innovative IT products & services based on global trends & needs.
- To provide a foundation of computing principles and business practices for effectively managing information system & enterprise software.

Course Outcome of Program M.Sc. (Computer Science)

S.No	Name of the Course	Course Code	Course Outcome	Theory Marks	Practical Marks	Project work Marks	Total Marks
CO1	Discrete Mathematics	16MCS21C1	<ul style="list-style-type: none"> • Helps to understand the basic principles of sets and operations in sets. • To understand relations and functions and be able to determine their properties. • Model problems in Computer Science using Graphs and trees. • Helps to express a logic sentence in terms of predicates, quantifiers and logical connectives. 	80	20		100
CO2	Computer Fundamentals and Programming in C	16MCS21C2	<ul style="list-style-type: none"> • Demonstrate basic knowledge in fundamentals of programming, algorithms and fundamentals of computer science. • To develop applications on the basis of procedural paradigm. • Helps to define and manage data structures based on problem sub domain. • To exercise user defined functions to solve real time problems. 	80	20		100
CO3	Data Base Management systems	16MCS21C3	<ul style="list-style-type: none"> • Broad understanding of database concepts and database management software. • Design E-R Models to represent simple database application scenarios. • Improve database design by normalization. • Apply and relate the concept of transaction, concurrency control and recovery in database. 	80	20		100

CO4	Computer Organization and Architecture	16MCS2 1C4	<ul style="list-style-type: none"> • Explain the organization of basic computer, its design and the design of control unit. • Demonstrate the working of central processing unit and RISC and CISC Architecture. • Understand the organization of memory and memory management hardware. • Elaborate advanced concepts of computer architecture, Parallel Processing, interprocessor communication. 	50	50		100
CO5	Data Structures Using C	16MCS2 2C1	<ul style="list-style-type: none"> • Understand the concept of Dynamic memory management, data types, algorithms, Big O notation. • Understand basic data structures such as arrays, linked lists, stacks and queues. • Apply Algorithm for solving problems like sorting, searching, insertion and deletion of data. • Solve problem involving graphs, trees and heaps. 	80	20		100
CO6	Object Oriented Programming Using C++	16MCS2 2C2	<ul style="list-style-type: none"> • Describe object oriented paradigm with the concepts of streams, class, functions, data and objects. • Understand dynamic memory management techniques using pointers, constructors and destructors etc. • Helps to develop the applications using C++ through object oriented concepts. 	80	20		100

			<ul style="list-style-type: none"> Classify inheritance with the help of early and late binding, usage of exception handling, generic programming. 				
CO7	Software Engineering	16MCS2 2C3	<ul style="list-style-type: none"> An ability to identify, formulates, and solve complex engineering problems by applying principles of engineering, science, and mathematics. An ability to communicate effectively with a range of audiences. An ability to acquire and apply new knowledge as needed, using appropriate learning strategies. The ability to analyze, design, verify, validate, implement, apply, and maintain software systems. 	80	20		100
CO8	Computer Networks	16MCS2 2C4	<ul style="list-style-type: none"> Describe the hardware, software, and services that comprise a network, and be able to articulate how these components integrate to form a network. Have a basic knowledge of the use of cryptography and network security. Analyze the requirements for a given organizational structure and select the most appropriate networking architecture and technologies. Existing protocols, and then go onto formulate new and better protocols. 	80	20		100

CO9	Computer Graphics	17MCS2 3DA3	<ul style="list-style-type: none"> • Become familiar with building approach of graphics system components. • Learn the basic principles of 3- dimensional computer graphics. • Understanding of mapping from a world coordinates to device coordinates, clipping, and projections. • Application of computer graphics concepts in the development of computer games, information visualization, and business applications. 	80	20		100
CO10	Management Information System	17MCS2 3DB1	<ul style="list-style-type: none"> • Describe the role of information technology and information systems in business. • Assess the relationship between the digital firm, electronic commerce, electronic business and internet technology. • Identify managerial risks related to information system organization processing and utilizing. • Describe how managers make decisions in organizations. 	80	20		100
CO11	Operating System and Unix	17MCS2 3C1	<ul style="list-style-type: none"> • Learn the basic concepts of operating systems. and about process management • Learn and apply different memory management techniques. • Apply different deadlock techniques. • Discuss various protection and security aspects. 	80	20		100

CO12	Visual Programming	17MCS2 3C2	<ul style="list-style-type: none"> • Use a modern IDE to visually and programmatically create programs with GUI's. • Understand and use the event-driven model and its interaction • Understand the various visual basic controls 	80	20		100
CO13	Java Programming	17MCS2 4C1	<ul style="list-style-type: none"> • Able to solve real world problems using OOP techniques. • Use the Java programming language for various programming technologies. (understanding) • Develop software in the Java programming language. (application) • Able to understand the use of Packages and Interface in java. 	80	20		100
CO14	Multimedia and its Applications	17MCS2 4DA3	<ul style="list-style-type: none"> • To learn and understand technical aspect of Multimedia Systems. • To Design and develop various Multimedia Systems applicable in real time. • To understand the standards available for different audio, video and text applications. • 4. To learn various multimedia authoring systems. 	80	20		100
CO15	Internet and Web Designing	17MCS2 4DB1	<ul style="list-style-type: none"> • To get familiar with the basic concepts of internet programming. • Helps for the creation of website. • Explores different web extensions and web services. • Creating web pages using HTML, CSS and scripting languages. 	80	20		100