DESH BHAGAT COLLEGE BARDWAL-DHURI

(Affiliated to Punjabi University, Patiala, approved by NCTE, Accredited by NAAC "B" Grade)

Programme Outcomes/ Course Outcomes of All Programmers'

DESH BHAGAT COLLEGE BARDWAL-DHURI

(Affiliated to Punjabi University, Patiala, approved by NCTE, Accredited by NAAC "B" Grade)

PG DEPARTMENT OF COMPUTER SCIENCE & IT

Session 2023-2024

Specific Programme Outcomes –

On completion of B.C.A., PGDCA, M. Sc IT – (Regular) and M. Sc. IT – (LE) degrees the graduates and post graduate will be able to:

Apply standard Software Application / Engineering practices and strategies in real-time software project development using open-source programming environment or commercial environment to deliver quality product for the organization success.

Design and develop computer programs / computer-based systems in the areas related to algorithms, coding, networking, web design, cloud computing, information technology and data analytics of varying complexity.

Acquaint with the contemporary trends in industrial/research settings and thereby innovate novel solutions to existing problems

Programme Outcomes are as:

Problem analysis: Identify, formulate and analyze complex computer application problems reaching substantiated conclusions using first principles of programming, coding, designing, research methodology, and modern technology of computer sciences.

Design / development of solutions: Design solutions for complex technical problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex technical activities with an understanding of the limitations.

The technology and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

Environment and sustainability: Understand the impact of the professional technology solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

Communication: Communicate effectively on complex technical activities with the technical community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

Project management and finance: Demonstrate knowledge and understanding of the technical and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

The Objectives of Computer Application are: -

The Information Technology prepares a student for basic knowledge using computer to solve data processing problems in daily life.

The Computer Studies is designed for students to understand and operate the computer and have special emphasis on sound design principles and programming development.

The aims of Computer Application are to provide the students with an opportunity to develop understanding of the basic operations of computer system and computer applications software.

They also develop the skill of using computer applications software for solving problems.

They appreciate the social implications of developments in information technology.

COURSE OUTCOME

BACHELOR OF COMPUTER APPLICATION: (B. C. A. – Three Year Course)

Students will be able to recognize & appreciate the role of computing in a wide variety of activities & application of Modern society, including education, communication. Analyze a given problem and develop an algorithm to solve the problem. Demonstrate the basic technicalities of creating word document, creating power point presentation, design spreadsheet for office use. Develop the software projects by understanding the client requirement. Define fundamental account concept, conventions & terminologies. Implement the various programming languages like C, C++, DBMS, Java, Computer Networks, software design, coding techniques and software testing principle. Students will be able to know various issues, latest trends in technology development and thereby innovate new ideas and solutions to existing problems.

General Education

No.	Name of Course	Description of Course outcome
CO-01	Fundamentals of Information Technology	The students after completing course will be able to: Understand basic computer hardware architecture and design fundamental logic circuits. Conversion of different number systems and describe some different codes. Understand the fundamental hardware components that make up a computer's hardware and the role of each of these components. Understand the role of CPU and its components. Learn essential IT support skills including installing, configuring, securing and troubleshooting operating systems and hardware.
CO-02	Programming Fundamentals using C and its Programming Lab- II	The students after completing course will be able to: Develop logics to create the programs in C. Also learning the basic programming concepts they can easily switch over to any other language in future. Learning Outcomes: After the completion of this course, the student can develop application. Understand the basic terminology used in computer programming, writing, compiling and debugging involving decision structures, loops and functions, arrays, strings and pointers, union, file handling.
CO-05	Software Lab -I (Windows and Office Automation)	In a software lab-I of Windows and Office Automation, students will learn Microsoft Excel will be the main topic of discussion for class I office automation students because it is a flexible spreadsheet program used for tasks like data analysis, budgeting, and complicated computations. It has spreadsheets with rows and columns that allow for data entry, formulas, and functions. Excel also has charting capabilities for efficient data visualization. Microsoft Word is a strong word processing program that is perfect for producing documents including essays, reports, and letters. Text can be formatted, page layouts can be changed, photos, tables, and spell check can all be added. Word makes creating documents easier and improves display. Last but not least, Microsoft PowerPoint is designed specifically for making dynamic presentations. It is made up of slides with text, pictures, and multimedia. For interesting presentations, use templates, transitions, and animations.
CO-03	Digital Electronics	The students after completing course will be able to: Digital Electronics is the study of electronic circuits that are used to process and control digital signals. In contrast to analog electronics, where information is represented by a continuously varying voltage, digital signals are represented by two discreet voltages or logic levels. This distinction allows for greater signal speed and storage capabilities and has revolutionized the world electronics. Digital electronics is the foundation of all modern electronic devices such as cellular phones, MP3 players, laptop computers, digital cameras, high-definition televisions, etc.
CO-04	Data Structures and its Programming Lab- III	The students after completing course will be able to: Have a comprehensive knowledge of the data structures and algorithms on which file structures and data bases are based. Understand the importance of data and be able to identify the data requirements for an application. Have an understanding

		and practical experience of algorithmic design and implementation. Have practical experience of developing applications that utilize databases. Understand the issues involved in algorithm complexity and performance.
CO-05	Computer System Organization and Architecture	The students after completing course will be able to: Computer organization and architecture: instruction formats and construction; addressing modes; memory hierarchy (cache, main memory and secondary memory) operation and performance; simple pipelines; basic performance analysis; simple OS functions, particularly as they relate to hardware; virtual memory; computer I/O concepts, including interrupt and DMA mechanisms; inter computer communication concepts.
CO-06	Object Oriented Programming Using C++ and its Programming Lab-IV	The students after completing course will be able to: Explain object-oriented concepts and describe how they are supported by C++ including identifying the features and peculiarities of the C++ programming language. Use C++ to demonstrate practical experience in developing object-oriented solutions. Design and implement programs using C++. Analyze a problem description, design and build object-oriented software using good coding practices and techniques. Implement an achievable practical application and analyze issues related to object-oriented techniques in the C++ programming language.
CO-07	Fundamentals of Database Management System and its Programming Lab-V	The students after completing course will be able to: Understand the current theory and practice of database management system. These include data independence, data constraints procedure, integrity, security, recovery, database design and database administration and conceptual data models. Implement a relational database into a database management system.
CO-08	Computer Networks	The students after completing course will be able to: Learn the need to create a Network. Learn about different layers and protocols present in those layers. Learn to configure the network devices. Learn about IP -Addressing. Learn about Network Security.
CO-09	Management Information System	The students after completing course will be able to: Understand the concepts of user, system, functional and non-functional requirements and will be able to explain how software requirement may be organized in a requirements document.
CO-10	Relational Database Management Systems with Oracle and its Programming Lab-VII	The students after completing course will be able to: Understand the current theory and practice of database management system. These include data independence, data constraints procedure, integrity, security, recovery, database design and database administration and conceptual data models. Implement a relational database into a database management system. Become proficient in using database query language, i.e., Microsoft Office Access, My SQL.
CO-11	System Analysis and Design	The students after completing course will be able to: Develop skills of system analysis and design. It includes expanded coverage of data flow diagrams, data dictionary, and process specifications.

CO-12	System Software	The students after completing course will be able to: Understand the concepts of user, system, functional and non-functional requirements and will be able to explain how software requirement may be organized in a requirements document.
CO-13	Java Programming and its Programming Lab-IX	The students after completing course will be able to: Understand the concept of OOP as well as the purpose and usage principles of inheritance, polymorphism encapsulation and overloading. Identify classes, objects, members of a class and the relationships among them needed for a specific problem. Create Java application programs using sound OOP practices (e.g., interfaces and APIs) and proper program structuring (e.g., by using access control identifies, automatic documentation through comments, error exception handling). Use testing and debugging tools to automatically discover errors of Java programs as well as use versioning tools for collaborative programming/editing. Develop programs using the Java Collection API as well as the Java standard class library.
CO-14	Web Designing using HTML and DHTML and its Programming Lab-X	The students after completing course will be able to: The course introduces students to basic web design using HTML (Hypertext Markup Language), DHTML (Dynamic Hypertext Markup Language) and CSS (Cascading Style Sheets). The course does not require any prior knowledge of HTML or web design. The course is designed to teach the participants how to create web documents using HTML that comprises the best practices of webpage design through the use of CSS, DHTML and XML.
CO-15	E-Commerce	The students after completing course will be able to focuses on principles of e-commerce from a business perspective, providing an overview of business and technology topics, business models, virtual value chains and social innovation and marketing strategies. Students will build their own web presence and market it using an online platform.
CO-16	Operating Systems	The students after completing course will be able to: Gain extensive knowledge on principles and modules of operating systems. Understand key mechanisms in design of operating systems modules. Understand process management, concurrent processes and threads, memory management, virtual memory concepts, deadlocks. Compare performance of processor scheduling algorithms - produce algorithmic solutions to process synchronization problems. Use modern operating system calls such as Linux process and practice with operating system concepts such as process management, synchronization, networked processes and file systems.
CO-17	Software Engineering	Know about the software product and process. Know about software characteristics, components and applications, methods and tools. Understand the software development paradigms. The software engineering lifecycle by demonstrating competence in communication, planning, analysis, design, construction and deployment.

CO-18	Web Designing using ASP. NET and its Programming Lab - XII	At the end of the course the participant will create a Web form with server controls. Separate page code from content by using code-behind pages, page controls, and components. Display dynamic data from a data source by using Microsoft ADO.NET and data binding. Debug ASP.NET pages by using trace.

COURSE OUTCOME

POST GRADUATE DIPLOMA IN COMPUTER APPLICATIONS: (PGDCA)

This program will equip students with the skills necessary for designing and developing applications in Information Technology. They will have the opportunity to stay updated with the latest trends in various subjects within the fields of computers and information technology. The PG Diploma is designed for graduates with a computing background and offers comprehensive coverage of key concepts and challenges in data and resource protection, as well as computer software security. Through hands-on experiences, students will develop real-life IT applications as part of their studies. The program's objectives include training graduate students in fundamental computer technology concepts and information technology applications, as well as enabling them to design and develop applications to analyze and solve a wide range of computer science-related problems.

General Education

No.	Name of Course	Description of Course outcome
CO-1	Introduction to Information Technology & E Commerce	After completing the course, students will be able to comprehend basic computer hardware architecture and design fundamental logic circuits, convert between different number systems, and explain various encoding methods. They will also grasp the essential hardware components that constitute a computer's hardware and understand the functions of each of these components, including the role of the CPU and its constituent parts. Additionally, students will develop essential IT support skills, including installing, configuring, securing, and troubleshooting operating systems and hardware. They will gain practical experience in using Microsoft products such as MS Word, MS Excel, and MS PowerPoint. Furthermore, they will explore and integrate diverse communication technologies with IT applications for business purposes.
CO-2	Computer programming using C and its programming Lab- I	After completing the course, students will gain the ability to develop logic for creating programs in C and acquire a solid foundation in basic programming constructs. This knowledge will empower them to seamlessly transition to other programming languages in the future. The learning outcomes of this course encompass developing applications and grasping essential computer programming terminology, encompassing writing, compiling, debugging, and understanding decision structures, loops, functions, arrays, strings, pointers, unions, and file handling.

CO-3	Window Operating System and Office Automation and its Programming Lab-II	After completing the course, students will have acquired a comprehensive skill set. They will be adept at understanding the fundamental structure and organization of the file system, proficient in using the internet for information retrieval and email communication, skilled in creating presentations and conducting calculations with Excel spreadsheets, and capable of managing both Windows and Linux operating systems for various applications and networking tasks. Additionally, they will possess the know-how to perform various office-related activities on a computer, including software installation, printer and scanner management, internet setup, and system troubleshooting. Furthermore, they will have developed a solid grasp of the terminology associated with operating systems, enhancing their overall proficiency in the IT field.
CO-4	Database Management System	After completing the course, students will have the capability to provide a comprehensive introduction to Database Management Systems (DBMS), understand the design and implementation of efficient database, and gain practical experience in the practical aspects of database management. They will be proficient in data modeling, query optimization, transaction management, and data security within the realm of DBMS. Additionally, students will recognize the vital role that DBMS plays in addressing real-world data management challenges stay updated with the latest trends and advancements in database technology, explore future possibilities and constraints within the field, and embrace the enduring value of continuous learning and skill enhancement in the ever-evolving domain of database management.
CO-5	Programming using Python and its programming Lab-III	After completing the course, students will possess a solid foundation in Programming with Python, equipping them with the knowledge and skills to develop software solutions using this versatile and widely-used programming language. They will gain practical experience in coding, problem-solving, and algorithmic thinking with Python, and they will understand how to leverage Python libraries and frameworks for various applications, such as web development, data analysis, machine learning, and automation. Students will also learn good coding practices and software development methodologies, ensuring the production of clean, maintainable code. Additionally, they will grasp the practical relevance of Python in addressing real-world challenges across diverse industries and stay current with the latest developments in Python programming. This course emphasizes the value of continuous learning and adaptability in the dynamic field of programming with Python.
CO-6	Web Technology and its Programming Lab-IV	After completion of the web technology and programming lab, students will have gained a diverse range of skills. They will be well-versed in the intricacies of web technology, including web development principles and programming languages commonly used in web applications. Students will become proficient in creating dynamic and interactive web applications, utilizing HTML, CSS, JavaScript, and various web development frameworks. They will also acquire essential skills in database management and server-side scripting, allowing them to develop full-fledged web applications. Furthermore, students

		will gain practical experience in debugging and troubleshooting web-related issues. This comprehensive knowledge and hands-on experience will prepare them to excel in the field of web technology and programming.

COURSE OUTCOME

M. Sc. IT – (Information Technology) Regular & Lateral Entry

This course, comprising Information Technology, C and C++ programming languages, computer graphics, database management, algorithm design, and Python programming, equips students with invaluable knowledge, skills, and practical experience spanning a variety of vital domains. From mastering the intricacies of C and C++ to comprehending the nuances of Information Technology, students emerge well-prepared to tackle real-world challenges. They not only acquire the fundamental concepts but also gain an appreciation for the significance of these subjects in addressing intricate problems. Moreover, the emphasis on staying updated with evolving technologies and nurturing a commitment to continuous learning underscores the lasting importance of adaptability and skill refinement in our ever-evolving technological landscape. This course collectively establishes a robust foundation for students to excel in their respective fields, enabling them to contribute meaningfully to the realms of technology and innovation.

General Education

No.	Name of Course	Description of Course outcome
CO-1	Introduction to Information Technology and E-Commerce	After completing the course, students will gain a comprehensive understanding of computer hardware architecture, enabling them to design fundamental logic circuits. They will also develop proficiency in converting between different number systems and describing various codes. Moreover, they will acquire knowledge about the fundamental hardware components that constitute a computer's hardware and the specific roles of each of these components. In addition, students will grasp the significance of the CPU and its constituent parts. Furthermore, they will cultivate essential IT support skills encompassing the installation, configuration, security, and troubleshooting of operating systems and hardware. Finally, the course will provide students with hands-on experience in using Microsoft products such as MS Word, MS Excel, and MS PowerPoint.
CO-2	Computer Programming using C and its Programming Lab – I	After completing the course, students will gain the ability to develop logic for creating programs in C and acquire a solid foundation in basic programming constructs. This knowledge will empower them to seamlessly transition to other programming languages in the future. The learning outcomes of this course encompass developing applications and grasping essential computer programming terminology, encompassing writing, compiling, debugging, and understanding decision structures, loops, functions, arrays, strings, pointers, unions, and file handling.
CO-3	Web Technology and its Programming Lab - II	After completion of the web technology and programming lab, students will have gained a diverse range of skills. They will be well-versed in the intricacies of web technology, including

		web development principles and programming languages commonly used in web applications. Students will become proficient in creating dynamic and interactive web applications, utilizing HTML, CSS, JavaScript, and various web development frameworks. They will also acquire essential skills in database management and server-side scripting, allowing them to develop full-fledged web applications. Furthermore, students will gain practical experience in debugging and troubleshooting web-related issues. This comprehensive knowledge and hands-on experience will prepare them to excel in the field of web technology and programming.
CO-4	Database Management System and its Programming Lab-III	After completing the course, students will have the capability to provide a comprehensive introduction to Database Management Systems (DBMS), understand the design and implementation of efficient database, and gain practical experience in the practical aspects of database management. They will be proficient in data modeling, query optimization, transaction management, and data security within the realm of DBMS. Additionally, students will recognize the vital role that DBMS plays in addressing real-world data management challenges stay updated with the latest trends and advancements in database technology, explore future possibilities and constraints within the field, and embrace the enduring value of continuous learning and skill enhancement in the ever-evolving domain of database management.
CO-5	Programming with Python and its Programming Lab-IV	After completing the course, students will possess a solid foundation in Programming with Python, equipping them with the knowledge and skills to develop software solutions using this versatile and widely-used programming language. They will gain practical experience in coding, problem-solving, and algorithmic thinking with Python, and they will understand how to leverage Python libraries and frameworks for various applications, such as web development, data analysis, machine learning, and automation. Students will also learn good coding practices and software development methodologies, ensuring the production of clean, maintainable code. Additionally, they will grasp the practical relevance of Python in addressing real-world challenges across diverse industries and stay current with the latest developments in Python programming. This course emphasizes the value of continuous learning and adaptability in the dynamic field of programming with Python.
CO-6	Operating Systems	After completing the course, students will possess a comprehensive understanding of operating systems, including their principles and modules. They will be well-versed in key design mechanisms for operating system modules and will have a strong grasp of process management, concurrent processes, threads, memory management, virtual memory concepts, and handling deadlocks. Furthermore, students will be proficient in evaluating and comparing processor scheduling algorithms, along with the ability to devise algorithmic solutions for process synchronization problems. They will also gain practical experience in utilizing modern operating system

		calls, such as Linux processes, and apply their knowledge to various operating system concepts, including process management, synchronization, networked processes, and file systems.
CO-7	Computer Organization and Architecture	After completing the course, students will be able to understand computer organization and architecture, including instruction formats and construction, addressing modes, memory hierarchy (cache, main memory, and secondary memory) operation and performance, simple pipelines, basic performance analysis, simple OS functions, particularly as they relate to hardware, virtual memory, computer I/O concepts, including interrupt and DMA mechanisms, and intercomputer communication concepts.
CO-8	Java and its Programming Lab-V	Upon successful completion of the Java programming and its associated lab course, students will have acquired a wide spectrum of invaluable skills. They will have developed a deep understanding of the Java programming language, covering both its core concepts and advanced features. Students will become adept at designing and building Java applications, including desktop, web, and mobile applications, utilizing the Java Standard Library and frameworks. They will gain proficiency in object-oriented programming, multithreading, and database connectivity with Java. Additionally, students will enhance their problem-solving abilities through hands-on coding exercises and real-world Java programming projects. This comprehensive knowledge and practical experience will empower them to excel in the dynamic field of Java development and software engineering.
CO-9	Software Engineering	After the successful completion of the software engineering course, students will have cultivated a versatile skill set essential for a prosperous career in the field. They will possess a deep understanding of software engineering principles and practices, covering the entire software development lifecycle. Students will become proficient in various methodologies, including agile and waterfall, and gain expertise in tasks such as requirements gathering, system design, coding, testing, and maintenance. They will excel in the art of designing scalable and maintainable software systems, utilizing industry-standard tools and technologies. Additionally, students will develop strong project management skills, enabling them to lead and collaborate effectively within software development teams. The practical experience acquired through hands-on projects will enhance their problem-solving capabilities, preparing them to address real-world software engineering challenges. With this comprehensive knowledge and practical proficiency, they will be well-prepared to thrive in the continually evolving field of software engineering.
CO-10	Computer Networks	After the successful completion of the computer networks, students will possess a comprehensive grasp of the intricate realm of computer networking. They will have gained profound insights into the underlying networking principles, protocols, and technologies that constitute the foundation of modern communication systems. Students will have honed

		their abilities in designing, configuring, and managing computer networks, encompassing local area networks (LANs), wide area networks (WANs), and the internet. They will have developed the expertise necessary to diagnose and resolve network issues, ensuring peak network performance. Moreover, students will delve into advanced subjects, including network security, wireless networking, and cloud-based networking solutions. Through hands-on labs and real-world network design projects, they will refine their practical networking skills, equipping themselves to tackle the ever-evolving challenges of the interconnected world of computer networks. Armed with this knowledge and expertise, they will be well-prepared to embark on successful careers in fields related to network administration, cybersecurity, and network engineering.
CO-11	Computer Graphics & its Programming Lab - VI	After completing the course, students will possess the capability to deliver a comprehensive introduction to computer graphics systems and formulate algorithms for two-dimensional transformations. They will also acquire a deep understanding of techniques related to clipping, three-dimensional graphics, and three-dimensional transformations. Additionally, students will gain practical experience in implementing various graphics drawing algorithms, 2D-3D transformations, and clipping techniques. They will develop proficiency in depth calculations, line and surface algorithms, and the implementation of surface rendering and illumination models.
CO-12	Linux Administration its Programming Lab - VII	Upon successful completion of the Linux administration, students will have acquired a robust skill set in managing and maintaining Linux-based systems. They will have gained in-depth knowledge of Linux operating system fundamentals, including file systems, user management, and command-line utilities. Students will become proficient in system installation, configuration, and performance optimization. They will also develop expertise in security measures, including user access controls and network security, to safeguard Linux servers and networks. Moreover, students will explore advanced topics such as shell scripting, virtualization, and containerization, enabling them to automate routine tasks and deploy scalable applications efficiently. Through hands-on labs and real-world system administration projects, they will refine their practical Linux administration skills and be well-prepared for roles as Linux administrators, system engineers, and DevOps professionals in the ever-growing Linux-based computing environments. This comprehensive knowledge and hands-on experience will empower them to excel in the dynamic world of Linux administration.
CO-13	Research Methodology	After completing the course in research methodology, students will emerge with a solid foundation in the art and science of research. They will have honed their skills in various research paradigms, methodologies, and approaches, enabling them to formulate incisive research questions, design methodologically sound studies, and proficiently collect and analyze data.

		Proficiency in both qualitative and quantitative research methods will equip them to adapt to diverse research challenges. Ethical considerations in research will be ingrained in their approach, and they will be adept at critically evaluating existing research literature. Practical experience gained through hands-on research projects will refine their data collection, analysis, and interpretation skills. Armed with this comprehensive knowledge and practical expertise, students will be well-prepared to make meaningful contributions to the advancement of knowledge in their chosen fields and embark on successful careers in research, academia, or various industries that require adept research and analytical skills.
CO-14	Artificial Intelligence	After successfully completing the artificial intelligence (AI) course, students will have delved into the dynamic and transformative realm of AI. They will have gained a profound understanding of the foundational principles, algorithms, and techniques that underpin AI, machine learning, and deep learning. Proficiency in designing and implementing AI systems across diverse applications, from natural language processing and computer vision to autonomous agents and recommendation systems, will be a hallmark of their skill set. These students will also explore the ethical and societal dimensions of AI, gaining a holistic perspective on its impact. Hands-on projects will provide valuable experience in training and fine-tuning machine learning models, equipping them to address real-world challenges in fields like healthcare, finance, and autonomous technology. With this comprehensive knowledge and practical expertise, they will be poised to embark on careers as AI researchers, data scientists, AI engineers, and other pioneering roles shaping the future of artificial intelligence.

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DEPARTMENT OF MANAGEMENT

Session 2023-2024

Programme Outcomes are as:

- To develop students professionally to handle business issues.
- To develop students to be a better team worker.
- To bridge the gap between theoretical and practical knowledge of the students by adopting innovative teaching pedagogy.
- To develop socially, ethically responsible business leaders.
- To sharpen soft and hard skills among the students.
- To promote entrepreneurial skills among students.

Course Outcomes (COs)

BBA FIRST YEAR

BBA FIRST SEMESTER	
BBA-101	Communication Skills in Punjabi/ Elementary Punjabi
BBA-102	Business Economics-I
BBA-103	Business Mathematics
BBA-104	Business Organization and Management Principles-I
BBA-105	Workshop on Computer Applications
BBA-106	Seminar

BBA SECOND SEMESTER	
BBA-201	Communication Skills in Punjabi/ Elementary Punjabi
BBA-202	Communication Skills in English
BBA-203	Business Economics-II
BBA-204	Business Statistics
BBA-205	Business Organization and Management Principles-II
BBA-206	Workshop on Internet & E-Commerce
BBA-207	Seminar
BBA-208	Viva-Voce

CO.1- BBA-101 Communication Skills in Punjabi

After completing this course, the students will be able to:

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ਭਾਸ਼ਾ ਦ□ਜਰੀਏ ਮਨ_ ਵਾਾ◌ੱਖੀ ਭਾਵਾਾਾ ਨਾਂ□ਮਝ ਕ□□ਮਾਜ ਦਾ ਜ਼ਵਸ਼□◌ਾ□ਸ਼ਣ ਕਰਨ ਦ□ਯੋਗ ਸੋਣਾ

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□◌ਾਜ਼ਸਤਕ ਰਚਨਾਵਾਾ ਦ□ਮਾਾਜ਼ਵਾਅਮ ਨਾ□ ਜ਼ਵਜ਼ਦਆਰਥੀਆਾਾ ਅੰ ਦਰ □◌ਾਜ਼ਸਤਕ ਰ_ਚੀਆਾਂ ਦਾ ਜ਼ਵਕਾ□ ਸੋਵ□ਗਾ

2. CO.2. - BBA-102 Business Economics-I

After completing this course, the students will be able to:

- Explain the basic concepts of microeconomics and issues in business economics.
- Discussing the consumer equilibrium, utility analysis indifference curve and the demand and supply analysis.
- Examine the production and cost structure under different stages of production.
- Indentify how and why equilibrium prices might change and their impact on resource allocation.
- Recommending the pricing and output decisions under various market structure.

CO.3.- BBA-103 Business Mathematics

After completing this course, the students will be able to:

- State the mathematical skills which are required in business.
- Discuss various mathematical applications in Finance and Marketing etc.
- Solve problems of Resource allocation by applying tools of Linear Programming, Transportation and Assignment problems.

- Examine various business solutions by applications of Game theory problems.
- Students will be able to judge the reasonableness of obtained solutions.

CO.4. -BBA-104 Business Organization and Management Principles-I

After completing this course, the students will be able to:

- Describing the Nature and Scope of Business, Forms of Business Organizations and Formation of a Company.
- Comparing Sole Trading Concerns, Partnership, Joint Stock Company, Co-operative Societies, Government and Business, Public Enterprise, Small Business.
- Examine the Functions of Management, Business Ethics, and Social Responsibility of Business.
- Interpret the interactions between the environment, technology, human resources, and organizations in order to achieve high performance.
- Examine the effectiveness of applications of management concepts.
- Appraise different types, roles and styles of managers across organizations.

CO.5. - BBA-105: Workshop on Computer Applications in Business :

After completing this course, the students will be able to:

- Describing the Definition, Features and Classification of computers, Concept of OS, Introduction to Windows.
- Explaining Difference between Hardware and Software. Types of Software System. Software and Application Software, Interpreter.
- Assessing MS-Word, MS-Excel and MS-PowerPoint
- Outline the steps for creating Creating, Saving, Opening, Importing, Exporting and Inserting Files. Formatting Pages, Paragraphs and Sections.
- Use the various command for Auto Content Wizard. Creating Design Template on Blank Presentation. Slides Sorter View. Inserting Slides from Other Presentation. Inserting Pictures & Graphics. Slide Show, Printing Slides.

CO.6-BBA 106- Seminar

After completing this course, the students will be able to:

- List the important events of the year in area of General, Social, Economic and Business Awareness.
- Describe the business concepts and theories to real-world decision-making
- Illustrate business skills in communication, technology, quantitative reasoning, and teamwork.
- Compare and Contrast different business operations.

Class: BBA-I, Semester- II

CO.7-BBA-201 Communication Skills in Punjabi

ਰ □ਾਕਾਰ ਜ਼ਨਬੰਵਾ ਰਾਸੀਂ ਜ਼ਏਾਂਦਰਗੀ ਦੀਆਂ ਤ□ਖ਼ ਸਕੀਕਤਾਾਾ □ਮਝਣ ਦ□ਯੋਗ ਸੋਣਾ

ਵ□ਾਰਕ ਵ□ਿੱ ਤਰ ਜ਼ਵਸਾਰ ਰਾਸੀਂ ਵ□ਾਰਕ ਵ□ਿੱ ਵਾਰ 'ਤ□□ਮਵਰਿੱ ਥ ਸੋਣਾ

ਭਾਸ਼ਾ ਦ□ਜ਼ਵਜ਼ਭੰ ਨ ਰ □ਾਾਾਾਾ ਨਾਂ□ਮਝ ਕ□□ਮਾਜ ਜ਼ਵਵਿੱ ਚ □ਰਭਾਵਸ਼ਾ□ੀ ਰ □ ਜ਼ਵਵਿੱ ਚ ਜ਼ਵਚਰਨ ਦੀ ਯੋਗਤਾ

ਭਾਸ਼ਾ ਦੀ □ਮਵਰਿੱ ਥਾ □ਛਾਣ ਕ□ਅੰ ਦਰ□ੀ ਯੋਗਤਾ ਦਾ □ਸੀ □ਰਯੋਗ ਕਰਨਾ

. □ਾਜ਼ਸਤਕ ਰਚਨਾਵਾਾਾ ਦ□ਮਾਜ਼ਵਾਅਮ ਨਾ□ ਜ਼ਵਜ਼ਦਆਰਥੀਆਾਾ ਅੰ ਦਰ □ਾਜ਼ਸਤਕ ਰ_ਚੀਆਂ ਦਾ ਜ਼ਵਕਾ□ ਸੋਵ□ਗਾ.

CO.8-BBA-202 Communication Skills in English

- Describing the Imaginative Use of Parts of Speech. How to Plan Paragraph Writing. How to Change Direct into Indirect Speech and Vice Versa.
- Explaining Sentence Connectors and Cohesion. Substitution and Ellipsis. Sentence variation and Rewriting of Sentences.
- Uses of Imaginative Features. Idioms and Phrases. Letter writing Précis and Comprehension, Paraphrasing and Expansion
- Identifying the Fundamentals of Broadcasting. Radio as a Communication of Broadcasting. Radio as a Communication of Broadcasting TV Network in India and Education TV- Current Affairs and General Knowledge.

CO.9-BBA-203 Business Economics-II

- Listing elements and characteristics define the business economics, distinguishing two basic types: macro and micro.
- Outline the process of calculating national income, identify its components, analyse the various income identities with government and international trade.
- Discussing Say's law of market, classical theory of employment and Keynes objection to the classical theory; demonstrate the principle of effective demand and income determination.
- Comparing the National Income of various countries.
- Recommend the relationship between investment and savings, demonstrate investment multiplier, and understand the meaning of MEC and MEI.

CO.10-BBA-204 Business Statistics

- State the basic concepts of Statistics such as collection of data, presentation of data.
- Classify the various types of data based on its nature.
- Calculate Measures of Central Tendency, Dispersion, Correlation and Regression analysis.
- Analyze time series and its trend including seasonal indices.
- Judge the level of price changes using Index Numbers.
- Plan and forecast the demand and sales of companies or industries using tools like Regression, Interpolation and Extrapolation.

CO.11-BBA-205 Business Organization and Management Principles-II

- Define the role of individual employee in the organization.

- Understand fundamental concepts and principles of management, including the basic roles, skills, and functions of management.
- Use the interactions between the environment, technology, human resources, and organizations in order to achieve high performance.
- Correlate realistic and practical applications of management concepts. CO.5.Appraise the roles and styles of managers across organizations.

CO.12-BBA- 206: Workshops on Internet and E-Commerce :

- Writing the Define Electronic Commerce, Brief History of Electronic Commerce, Forces Fuelling Electronic Commerce-Electronic Forces.
- Predicting Marketing and Customer Interaction Forces. Technology and Digital Convergence, Implications of Various Forces, Types of Electronic Commerce.
- Examine the Inter-Organizational Electronic Commerce, Intra-organizational Electronic Commerce, Consumer to Business Electronic Commerce, Intermediaries and Electronic Commerce.
- Illustrate the Firewalls and Network Security – Types of Firewalls, Firewall Security Policies, emerging Firewall Management Issues.
- Assessing Electronic Payment Technology, Online Shopping, Limitations of Traditional Payment Instruments, Electronic or Digital Cash- Properties of Electronic Cash, Digital Cash in Action,
- Recommending the Emerging Financial Instruments-Debit Cards at Point of Sale. (POS), Debit Cards and Electronic Transfer Benefit, Smart Cards, Consumer's Legal and Business Issues.

CO.12-BBA-207 Seminar

After completing this course, the students will be able to:

- Demonstrate confidence in their activities.
- Develop effective communication skills.
- Demonstrate strong abilities of working in teams.
- Identify strategies to adapt to different situations.
- Design and deliver effective presentations.

BBA SECOND YEAR.

BBA 3 rd SEMESTER

BBA-301	PRINCIPLE OF HUMAN RESOURCE MANAGEMENT
BBA-302	BUSINESS ACOUNTING
BBA-303	PRINCIPLE OF MARKETING MANAGEMENT
BBA-304	BUSINESS LAWS
BBA-305	WORKSHOP ON CONTEMPORARY BUSINESS ISSUES
BBA-306	SEMINAR ON KNOWLEDGE MANAGEMENT
BBA-307	COMMUNICATION SKILLS IN PUNJABI/ELEMENTARY PUNJABI

BBA 4 th SEMESTER

BBA-401	FINANCIAL MANAGEMENT
BBA-402	WORKSHOP ON CREATIVITY
BBA-403	SEMINAR ON ENTREPRENEURSHIP
BBA-404	VIVA-VOCE
BBA-405	MARKETING MANAGEMENT
BBA-406	ADVERTISEMENT & SALES MANAGEMENT
BBA-407	MARKETING OF SERVICES
BBA-408	HUMAN RESOURCE MANAGEMENT
BBA-409	TRANING AND DEVELOPMENT
BBA-410	FINANCE
BBA-412	FINANCIAL INSTRUMENTS & SERVICES
BBA-423	COMMUNICATION SKILLS IN PUNJABI/ ELEMENTARY PUNJABI
BBA-424	ENVIRONMENTAL STUDIES AND ROAD SAFETY

SUMMER INTERNSHIP: INDUSTRIAL TRAINING OF · 4 TO 6 WEEKS

Class: BBA-II, Semester- III

CO.13- BBA-301 Principles of Human Resource Management

After completing this course, the students will be able to:

- Describe the basic concepts, functions and processes of human resource management.
- Explain the role, functions and functioning of human resource department of the organizations.
- Solve various HR issues using necessary skill set studied in HRM.
- To Identify and formulate various HRM processes such as Recruitment, Selection, Training, Development, Performance appraisals and Compensation Plans.
- To recommend the knowledge of HR concepts to take correct business decisions.
- Construct various policies for effective use of human in the organisation.

CO.14-BBA-302 Business Accounting

After completing this course, the students will be able to:

- Listing conceptual knowledge of recording the business information in books of accounts.
- Report the results of business using financial statements.
- Interpret the results of business for business decision making.

- Comparing results of business using Inter-firm and Intra-firm analysis.
- Assess the result of various accounting policies on accounting profits.
- Design accounting information system for a small business unit.

CO.15- BBA-303 Principles of Marketing Management:

After completing this course, the students will be able to:

- Listing the foundation terms, concepts and principles of marketing.
- Classifying the marketing environment and learn how to cope with changing marketing forces.
- Use the various essential tools and techniques for effective marketing practice.
- Examine relationship between marketing and other management functions.
- Illustrate various marketing decision related to product, price, place and promotions.
- Recommending the various marketing strategies for Service Marketing, Rural marketing, Marketing Research, Advertisement and Sales Management etc.

CO.16- BBA 304:- Business Laws :

After completing this course, the students will be able to:

- Describing the nature of Contract Act 1872, capacity of parties, performance, discharge and remedies for breach of contract.
- Compare the types of contract, rights and obligation of the parties to the contract, types of negotiable instruments and three forms of grievance redressed machinery.
- Identify the salient features of consumer protection Act 2019
- Categorize the different types of cheque, holder and holder in due course.
- Recommendation for Dishonour and discharge of negotiable instruments

CO.17- BBA-305 Workshop on Contemporary Business Issues:

After completing this course, the students will be able to:

- Describing the domestic and international dimensions of the business environment.
- Listing the corporate social responsibility, performance, socialization and moral development.
- Classification of values, congruence and conflicts related to values.
- Identifying the corporate ethics and ethical dimensions of public affairs.
- Assessing the crisis management, social performance of corporate.

CO.18- BBA-306 Seminar on Knowledge Management:

After completing this course, the students will be able to:

- Enhancing the knowledge related to economy, leveraging economy.
- Outline the transformation of a enterprise through knowledge management.
- Illustrate of creating, sharing and momentum of knowledge.
- Examine the organization culture for knowledge management, and challenges.

CO.19-BBA-307 COMMUNICATION SKILLS IN PUNJABI:

After completing this course, the students will be able to:

ਵਵਵਆਰਥੀਆ ਨੂੰ ਗੌਵਰਮਈ ਇਵਵਸਾ□ਵਾਾ ਵਗਆਨਸੋਵਾ□ਗਾ

□ਾਵਵਸਕ ਰ□ਾਕਾਰ ਨਾਵਾ□ ਰਾਸੀਾ ਵਏਾੂਾੰਵਾਗੀ ਵਾਾ ਵਵਉਾਾਵ□ਾ ਨੂੰ □ਮਝਣ ਵਾਾ ਯੋਵਗਾ ਵਾਾ ਵਵਕਾ□

ਵਾਾਕ ਬਵਣਰ ਵਾ□ਵਗਆਨ ਰਾਸੀਾ ਵਵਵਵਆਰਥੀ ਆ□ਣ□ਭਾਵਾਾਾ ਵਾਾ □ੂੰ ਚਾਰ □ੁਚੱ ਜ□ਢੂੰ ਗ ਨਾ□ ਕਰ □ਕਣਗ□

ਵਾ□ਾਰਕ ਵਅਾਾਵਰਆ ਵਵਚ ਵਾਵ□ਰੀ ਕੂੰ ਮਕਾਜ ਵਵਚ ਵਾਵਰੀ ਜਾਂਵਾਗੀ ਰਾਜ ਭਾਉਾਾ □ੂੰ ਜਾਬੀ ਵਾਾ ਵਾਕਨੀਕੀ ਜਾਣਕਾਰੀ ਰਾਸੀ ਰਏਗਾਰ □ੂੰ ਭਾਵਾਨਾਵਾਾਾ ਵਵਵਾਚ ਵਾਾਧਾ

□ਾਵਵਸਕ ਰ□ਾਂ ਵਾਾ ਵ□ਧਾਂਵਾਕ □ਮਝ ਵਾ□ਨਾ□ ਉਸ ਵਾਾਂੱਖ ਵਾਾਂੱਖ □ਾਵਵਸ ਰ□ਾਂ ਵਵਚ □ਾਵਵਸ ਰਚਣ ਵਾ□ ਯੋਗ ਸੋਣਗ□

□ਾਵਵਸਕਾਰਵਾ□ਜੀਵਾਨ □□ਰ ਵਾਾ ਵਗਆਨਵਵਵਵਆਰਥੀਆ ਨੂੰ ਰਚਨਾਕਾਰਵਾ□□ਾਵਵਸਕਵਵਾਵਾਉਟੀਕੋਣ ਨੂੰ □ਮਝਣ ਵਵਵਾਚ □ਸਾਈ ਸੋਵਾ□ਗਾ

Class: BBA-II, Semester- IV

CO.20- BBA-401 Financial Management

After completing this course, the students will be able to:

- Listing the aim, scope and significance of finance function, sources of company finance.
- Discussion of theories and valuation of capital structure, cost of capital and capital budgeting.
- Assessing the SEBI guidelines for raising company finance.
- Recommend the working capital requirement, steps in responsibility accounting.
- Illustrating the planning of capital expenditure and its evaluation including risk and uncertainty.

CO.21- BBA-402 Workshop on Creativity & Innovation:

After completing this course, the students will be able to:

- Discussing the creativity in management, theories of creativity, role of computers in creativity.
- Illustrate the brainstorming, lateral thinking, synaptic idea generating methods.
- Assessing the need of market research, sources of ideas, and financial sources.
- Examine the case-histories of renowned companies.

CO.22-BBA-403 Seminar on Entrepreneurship:

After completing this course, the students will be able to:

- Describing the nature, characteristics, theories of entrepreneurship, role of government in setting of enterprises.
- Compare the class of entrepreneurship including women entrepreneurship, along with the socio economic environment and entrepreneurial behaviour.
- Assess the contribution of commercial banks in promoting and servicing small business, government polices and formalities in setting up a unit.
- Indentify the basic requirements regarding registration, excise, sales tax and factory Act and SSI exemptions.

CO.23-BBA-406 Advertisement & Sales Management:

After completing this course, the students will be able to:

- List the nature and scope of advertising research, campaign planning strategic, sales management.
- Outline the knowledge about consumer behaviour, recruitment and selection process, training and development of sales personnel.
- Compare media planning of print, T.V, Radio, Cable and satellites, direct mail marketing.
- Discussing the creation of copy-testing, advertising budget.
- Illustrating Event management , advertising agencies and assessing the advertising effectiveness, performance of sales personnel.
- Planning a Carving territories, routing and scheduling, sales quotas.
- Examine the selling theories and process sales ethics and distribution.

CO.24- BBA-407: Marketing Of Services

After completing this course, the students will be able to:

- Describe the concept of goods and services, services marketing concept, features.
- List the need, significance of behavioural services aspiration.
- Outline the marketing segmentation, marketing information system for various services.
- Restate the meaning of service quality, its components and measurement.
- Investigate the Seven'P of service marketing and its management.
- Assess the services marketing in Banking, hotel, tourism, transport, personal care, hospital, education and consultancy marketing.

CO. 25- BBA-409: Training & development

After completing this course, the students will be able to:

- The training and development outcomes typically include enhanced communication skills, critical thinking, problem-solving abilities, leadership qualities, and a solid understanding of business concepts.
- Graduates should be well-prepared for entry-level managerial roles, demonstrating adaptability in diverse business environment

CO.26- BBA-423 Communication Skills In Punjabi

After completing this course, the students will be able to:

□ਾਵਵਸਕ ਰ□ਾ◌ੰ ਵਾਗੀ ਵ□ਧਾਂਵਾਕ □ਮਝ ਵਾ□ਨਾ□ ਉਸ ਵਾਗ◌ਿ◌ੱਖ ਵਾਗ◌ਿ◌ੱਖ □ਾਵਵਸ ਰ□ਾ◌ੰ ਵਵਚ □ਾਵਵਸ ਰਚਣ ਵਾ□ ਯੋਗ ਸੋਣਗ□

□ਾਵਵਸਕਾਰਵਾ□ਜੀਵਾਨ □□ਰ ਵਾਾ ਵਗਆਨਵਵਵਵਆਰਥੀਆ ਨੂੰ ਰਚਨਾਕਾਰਵਾ□□ਾਵਵਸਕਵਵਾਵਾ◌ਟੀਕੋਣ ਨੂੰ □ਮਝਣ ਵਵਵਾਚ □ਸਾਈ ਸੋਵਾ□ਗਾ

□ਾਵਵਸਕ ਰ□ਾਕਾਰ ਨਾਵਾ□ ਰਾਸੀਾ ਵਏ◌ਾ◌ੂ◌ਾ◌ੰਵਾਗੀ ਵਾਗੀ ਵਵ◌ਾ◌ਾ◌ਾਵ□ਾ □ਮਨਿੱ ◌ਾ◌ੁਖੀ ਅ□ਵਵਵਾਵਾ ਵਾ□□ਮਕਾ□◌ੀ ਅਵ □◌ੂ◌ੰ ਕਟਾਂ ਨੂੰ □ਮਝਣ ਵਾ ਯੋਵਗਾ ਵਾਾ ਵਵਕਾ□

ਨਾਵਾ□ ਰ□◌ਾਕਾਰ ਰਾਸੀਾ◌ੂ◌ਾ◌ੰਜੀਵਾਨ □ਰੋਕਾਰਾਂ ਵਾਗੀ □□◌ਾਕਾਰੀ ਵਵਵਵਆਰਥੀਆ ਅੰ ਵਾਰ ਮਾਵਨੀ □◌ੂ◌ੰ ਵਾ□ਵਾਨਾ ਨੂੰ ਜਗਾਏਗੀ.

BBA THIRD YEAR

BBA 5 TH SEMESTER

BBA-500	COMMUNICATION SKILLS IN PUNJABI
BBA-501	BUSINESS RESEARCH METHODS
BBA-502	WORKSHOP ON TIME AND WORKLOAD MANAGEMENT
BBA-503	SEMINAR ON SUMMER INERNSHIP
	MARKETING MANAGEMENT
BBA-505	RURAL MARKETING
BBA-506	BRAND & PRODUCT MANAGEMENT
	HUMAN RESOURCE MANAGEMENT
BBA-508	INTERPERSONAL SKILLS IN MANAGEMENT
	FINANCE
BBA-512	INVESTMENT MANAGEMENT

BBA 6TH SEMESTER

BBA-601	INDUSTRIAL TRAINING PROJECT
BBA-602	PROJECT REPORT
BBA-603	SEMINAR ON THE PROJECT REPORT
BBA-604	VIVA-VOCE

Class: BBA-III, Semester- V

CO.27- BBA-500: Communication Skills in Punjabi

After completing this course, the students will be able to:

ਵਵਵਆਰਥੀਆ ਅੰ ਵਾਰ □ਾਵਸਵਾਵਾਾ□ਵ□ਯੋਜਨ ਅਵਾ□ਵਾਾ਼ੱਵਾਾਾ ਵਾਿ ਜਾਣਕਾਰੀ ਵ□ਰਜਣਾਵਾਮਕ ਰਚੀਆ ਵਾਾ ਵਵਕਾ□ ਕਰ□ਗੀ

□ਾਵਵਸਕ ਰ□ਾਕਾਰ ਨਾਵਾ□ ਰਾਸੀ। ਵਏਾੂਾਂਵਾਗੀ ਵਾਿ ਵਵਉਾਾਵ□ਾ ਅਵਾ□ਮਨਿੱ ਾੁਖੀ ਅ□ਵਵਵਾਵਾ ਵਾ□□ਮਕਾ□ੀ ਅਵਾ□ਵਚਰਕਾ□ੀ □ੂੰ ਕਟਾਂ ਨੂੰ □ਮਝਣ ਵਾਿ ਯੋਵਗਾ ਵਾਾ ਵਵਕਾ□

ਨਾਵਾ□ ਰ□ਾਕਾਰ ਰਾਸੀਾ□ਾਂਜੀਵਾਨ □ਰੋਕਾਰਾਂ ਵਾਗੀ □□ਯਕਾਰੀ ਵਵਵਵਆਰਥੀਆ ਅੰ ਵਾਰ ਮਾਵਨੀ □□ਂ ਵਾ□ਵਾਨਾ ਨੂੰ ਜਗਾਏਗੀ

□□ਂ ਜਾਬੀ ਭਾਯ□ਾ□ਾ ਵਾ□ਵ□ਧਾਂਵਾਕ □□ਂ ਕ□□□ਾਂ ਵਾਗੀ ਜਾਣਕਾਰੀ ਵਾਾਸਰਕ ਭਾਯ□ਾ□ਾ ਵਾ□□□ਂ ਗਠਨ ਨੂੰ □ਮਝਣ ਵਵਚ □ਸਾਈ ਸੋਵਾ□ਗਾ

ਵਵਵਭੂੰ ਨ □ਮਾਵਜਕ □ਵਭਆਚਰਕ ਵਾ□ਵਾਾਵਾਾਵਾਰਨਕ ਵਵਵਯਆ ਵਾਾ ਵਗਆਨ ਮੁਕਾਬ□□ਵਾਗੀਆ ਵ□ੀਵਖਆਵਾਾਾ ਵਵਚ □ਸਾਇਕ

CO.28- BBA-501: Business Research Methods

After completing this course, the students will be able to:

- Describe the Meaning, Objectives and Process of Research, Research Methods in Social Sciences, Exploratory, Descriptive and Experimental Research.
- Outline the Applications and Limitations of Research Methods and Sampling Design
- Explain Techniques for Data Collection; Primary and Secondary Sources, Primary Sources-Consumers and Trade Survey, Including Consumer Panels and Retail Auditing.
- Recommend the Qualitative Techniques of Data-Collection and application including questionnaire Designing and protesting.
- Assess difficulties in Measurement and Concepts of Validity and Reliability; Attitude Measurement General Methods; Scaling Techniques: Thurston, Likert, and Semantic Differentials.
- Construct Report Writing and Presentation.

CO.29- Bba-502: Workshop on Time and Workload Management

After completing this course, the students will be able to:

- Relates with the Psychology of Time; Time as Finite Capital.
- Discuss the Developing the Right Attitude of Mind; Your Current Use of Mind; You and Your Tasks; You and Yourself
- Identifying Self Objectives and Their Methodologies for Completion; Your and Others. Task Management.
- Recommend Workload Management Systems; Managing Interruptions; Delegation; Managing Meetings; Working with a Secretary; Managing Stress; and Balancing Work and Home.
- Recommend Workload Management Systems; Managing Interruptions; Delegation; Managing Meetings; Working with a Secretary; Managing Stress; and Balancing Work and Home.

CO.30 - Bba-503: Seminar on Summer Internship

After completing this course, the students will be able to:

- Demonstrate confidence in their activities
- Develop effective communication skills.
- Demonstrate strong abilities of working in teams
- Identify strategies to adapt to different situations.
- Design and deliver effective presentations.

CO.31- Bba-505: Rural Marketing

After completing this course, the students will be able to:

- List the Nature and Scope of Rural Marketing with Special Reference to India
- Compare Buying Behaviour in Rural Markets.
- Classify Rural Marketing Information system
- Categorize the Rural Markets, Communication and Large Format Retail Stores.
- Prioritize the Study of Rural Markets Strategy in relation to Product, Pricing, Promotion and Distribution Strategy.
- Design the information technology for Rural Markets and Rural Market Research.

CO.32- Bba-506: Brand & product management

After completing this course, the students will be able to:

- The objective of this course is to learn fundamentals of Product and Brand Management. The aim of Product Management Part is to make participants understand competition at product level as well as brand level.
- Two broadly important aspects namely Product Management from competition point of view and Product Management from New Product Development and Innovation point of view are to be covered.
- The objective of Brand Management is to make students understand principles of Branding, role of brands, elements and components of brands, brand equity etc.
- The main aim for Brand Management is to make sure that students understand implications of planning, implementing and evaluating Branding Strategies

CO. 33- Bba-506: Interpersonal skills in management

Students will be able to:

- Exhibit effective interpersonal communication in a variety of settings and effectively apply active listening skills.
- Perceive the listeners interpersonal need and Gain information about other individuals through communication.
- Build a context of understanding through communication And demonstrate respect for others' viewpoints.
- Maintain proper eye contact while communicating interpersonally.
- Exhibit de-escalatory behaviours in situations of conflict and Mediate between other conflicting parties.
- Demonstrate acknowledgment and validation of the feelings, opinions, and contributions of others.

CO.34- BBA-512: Investment Management

After completing this course, the students will be able to:

- To understand the investment objective and investment management.
- To learn to invest in securities and earn higher return.
- To learn to study the risk involved in security market its nature and return.
- To know the various insurance products, its business, brokers and end consumers.

Class: BBA-III,

Semester- VI

CO.35- BBA-601: Industrial Training Project

- Exposure to current work practices as opposed to possibly theoretical knowledge being taught at college.
- Predict the professional skills in a hands-on environment.
- Evaluate the skills students have developed in them time with the company.
- Inspect a practical perspective on the world of work.
- This interaction gave the students.
- Illustrate the skills interaction, working methods and employment practices

CO.36- BBA-602 Project Report

Describe the practical exposure got during the training.

- List the learning during the industrial training.
- Describe the company in which students have attended the training.
- Uses the theatrical knowledge in solving the problems face by the traning organisation.
- Illustrate the research tools like sampling techniques, statistic test etc.

CO.37- BBA-603 Seminar on the Project Report

- Demonstrate confidence in their activities.
- Develop effective communication skills.
- Demonstrate strong abilities of working in teams.
- Identify strategies to adapt to different situations.
- Design and deliver effective presentations.

CO.38- BBA-604 : Viva-Voce

B.Voc.(Retail Management & IT)

Program Outcome

Bachelor of Vocation (B.Voc.) is launched under the scheme of University Grants Commission for skill development based on higher education leading to Bachelor of Vocation (B.Voc.) Degree with multiple exits as Certificate/Diploma/Advanced Diploma/Degree under the National Skill Qualification framework (NSQF). The B.Voc. Programme incorporate specific job roles and their National Occupational Standards along broad based general education. B.Voc. Programme has been designed as per National Skill Qualification Framework (NSQF) emphasizing on skill based education. The B.voc Program is for duration of three years consisting of six semesters and is judicious mix of skills relating to professional education and general education on credit based system.

The Objectives of B.Voc degree Programmes are

- To provide judicious mix of skills relating to a profession and appropriate content of general education.
- To ensure that the students have adequate knowledge and skills, so that they are work ready at each exit point of the program
- To provide flexibility to students by means of pre- defined entry and multiple exit points.
- To integrate NSQF within the undergraduate level of higher education in order to enhance employability of the graduates and meet industry requirements. Such graduates apart from meeting the needs of local and national industry are also expected to be equipped to become part of the global workforce
- To provide vertical mobility to students coming out of a) 10+2 with vocational subjects and b) Community Colleges.

Course Outcome

B.Voc. Retail Management & IT

B.Voc in Retail offers a judicious mix of skills related to Retail Operations along with appropriate content for General Education. This course is concentrated on making the students "ready to work" for different retail industries enhancing their employability. This course combines vocational and management concepts. The course has essentially been designed for students wishing to enhance their employability. The Curriculum in each of the semester/years of the programme will be a suitable mix of general education and skill development components. The General Education Components shall have 40% of the total credits and balance 60% credits shall be of skill components. This course facilitates such students in learning, earning and growing professionally.

General Education

CO1: Functional Punjabi, General English & Workshop- It develops effective communication on complex management activities with the management community and with society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations and give and receive clear instructions.

Workshop develops Oral Communication(Internal & External), Professional Skills Personal Hygiene & Grooming, Job Interview readiness, Planning & Organizing (in capacity of the Role) Problem Solving

CO2: Introduction of Marketing Management & Brand Management- It familiarizes the students about marketing and brand concepts and contemporary issues and its Philosophies. It develops ability to understand the changing marketing environment and get knowledge of different consumer and business buying behavior.

CO3: Information Technology & its Practical -It helps to understand the computer fundamentals, Input & output devices, memories, languages and number system in computer. It also focused on application of information Technology and Trends.

CO4: Retail Management- It familiarizes the students about retail formats theories and models and operations of retail stores. It develops understanding of retail merchandising.

CO5: Office Automation and its Practical-This course helps to learn MS Word, MS PowerPoint, and MS-EXCEL. The practical will comprise of exercise to what is learnt under this course.

CO6: Sales Management & Distribution-It familiarizes the students about sales and distribution concepts, theories and process. It develops ability to understand the sales ethics and distribution process.

CO7: Internet and E-Commerce-It helps to understand Electronic commerce and trends of advertising and marketing on the internet.

CO8: Consumer Buying Behaviour-This subject enhances awareness about role of consumer in present scenario and the factors shaping the behavior of consumers. It is helpful to understand key concepts and theories of it.

CO9: Information Technology for Retail Management- This course makes students familiar with computer environment & operating systems and applications of internet in retail sector, and also helps to introduce students with many softwares used in retail industry.

CO10: Business Research Methodologies-This subject develops understanding about concept of research methodology and judge the reliability and validity of experiments to perform exploratory data analysis. It also sharpens the awareness to use parametric and non- parametric hypothesis tests.

CO11: Structural Programming & Desktop Publishing- The students after completing the course will be able to prepare a document & publishing by using DTP Program.

CO12: Training Project and Viva-Voca-It helps students to develop a thorough understanding of the chosen subject area and demonstrate the ability to critically assess/ interpret data. It creates an ability to effectively communicate knowledge in a scientific manner.

Skill Components

The curriculum is designed in a manner that at the end of 6 months, year-1, year-2 and year-3 students are able to meet level 4, 5, 6 and 7 of NSQF, respectively

NSQF Level-4: Sales Associate- It is the entry level post of retail business. But as every retail shop is completely dependent upon the sales they get, this is one of the important posts in this profession. To be a good sales person, one should have good knowledge about the products, the shop, the customers etc.

NSQF Level-5: Team Leader- A retail team leader is a person who holds a supervisory position directing the sales team in the retail environment. It is his/ her job to help implement a company's sales strategy and ensure that the rest of the sales team adheres to these guidelines.

NSQF Level-6: Departmental Manager- retail department manger organizes and maintains store merchandise according to the merchandising layout plan, also known as a planogram.

NSQF Level-7: Store Manager- Store Manager sometimes called General Manager or Store Director, are responsible for managing an individual store and its day-to-day functioning. The store manager is in charge of the employees of the store and he himself may report to a District or Area manger or the store's owner.

C.O. No.	Name of Course	Description of Course outcome
CO1	Functional Punjabi, General English & Workshop	It develops effective communication on complex management activities with the management community and with society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations and give and receive clear instructions. Workshop develops Oral Communication(Internal & External), Professional Skills Personal Hygiene & Grooming, Job Interview readiness, Planning & Organizing (in capacity of the Role) Problem Solving
CO2	Introduction of Marketing Management & Brand Management	It familiarizes the students about marketing and brand concepts and contemporary issues and its Philosophies. It develops ability to understand the changing marketing environment and get knowledge of different consumer and business buying behavior.
CO3	Information Technology & its Practical	It helps to understand the computer fundamentals, Input & output devices, memories, languages and

		number system in computer. It also focused on application of information Technology and Trends.
CO4	Retail Management	It familiarizes the students about retail formats theories and models and operations of retail stores. It develops understanding of retail merchandising.
CO5	Office Automation and its Practical	This course helps to learn MS Word, MS PowerPoint, and MS- EXCEL. The practical will comprise of exercise to what is learnt under this course.
CO6	Sales Management & Distribution	It familiarizes the students about sales and distribution concepts, theories and process. It develops ability to understand the sales ethics and distribution process.
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CO9	Information Technology for Retail Management	This course makes students familiar with computer environment & operating systems and applications of internet in retail sector, and also helps to introduce students with many softwares used in retail industry.
CO10	Business Research Methodologies	This subject develops understanding about concept of research methodology and judge the reliability and validity of experiments to perform exploratory data analysis. It also sharpens the awareness to use parametric and non- parametric hypothesis tests.
CO11	Structural Programming & Desktop Publishing	The students after completing the course will be able to prepare a document & publishing by using DTP Program.
CO12	Training Project and Viva-Voca	It helps students to develop a thorough understanding of the chosen subject area and demonstrate the ability to critically assess/ interpret data. It creates an ability to effectively communicate knowledge in a scientific manner.

DEPARTMENT OF FASHION TECHNOLOGY

Session 2023-2024

Programme & Course Outcomes of B.Sc. (Fashion Technology)

Program Outcomes (POs)

PO 1: Fashion and Fabric Theory Knowledge: Understanding Theories & Principles of behind Fabric Construction, Textile Science, History of Art, Textile, Costumes, Fashion theories, Styles, Marketing and Merchandising

PO 2: Design Process Knowledge: To apply the knowledge of elements and principles of design to create futuristic designs on various domains and develop prototypes using draping, flat pattern making and stitching.

PO 3: Modern Tool Usage: Develop skill to apply software tools knowledge to design and create prototypes

PO 4: Visual Communication: To visually communicate ideas in the form of artistic fashion illustrations, graphic illustration, styling, fashion photography and visual display of merchandise.

PO 5: Professional Skills: To demonstrate Event Management, Team Work, Leadership, Entrepreneurial and Business Skills.

Program Specific Outcomes (PSOs)

Upon completion of the B.Sc. Fashion Technology, students will be able to:

PSO 1: Understands the basic cognitive on fashion illustration, apparel designing, draping and to develop the innovative skill in the field of pattern making and grading, garment construction and to rolling apparel industry.

PSO 2: To skill orientation through learning the procedures of the pattern drafting, pattern cutting, and process of fabric formation and construction of garments to textile industry.

PSO 3: Will able to apply their updated knowledge of current trends of fashion in the creation of innovative design to produce garment to the modern textile industry.

PSO 4: Will able to practice the modern tool and technologies using Corel Draw, Photoshop Reach CAD software with using different types of garment designed and prepare the garment making to the textile and fashion industry.

PSO 5: The students will exhibit the demonstration in fashion portfolio sketching, dyeing and printing textile processing in the modern world.

PSO 6: Have a strong foundation and understanding of the garment manufacturing process and procedures

PSO 7: Integrate fashion design in the business context by applying consumer psychology, markets, and trends to create product lines

Programme & Course Outcomes of B.Sc. (Fashion Technology)

B.Sc.F.T Part-I

Semester-I (Exam Nov / Dec.)

B.Sc.Fashion Technology Semester I

Course Outcomes (COs):

PAPER CODE	PAPER NAME	COURSE OUTCOMES
FSTBIIOIT	Elements of Design	CO: 1 to provide students creativity based sound foundation for design work. CO: 2. Have technical knowledge for creative art work. CO: 3 To develop the aesthetic and creative sense for designing fashion apparels CO: 4 To develop a design vocabulary as an essential tool for practicing as designers

FSTB1102T	Drafting & Pattern Making –I	CO: 1 To provide fundamental knowledge of various tools and techniques of drafting and pattern making CO: 2. To impart technical knowledge for skill in pattern making and its techniques CO: 3 To understand the basic components of garments CO: 4 To study the concept of fitting and pattern alterations
FSTB1103T	Fundamentals of Computers	CO: 1 To acquaint students with knowledge of basic of computer CO: 2 To acquaint students with knowledge of CAD based application in fashion designing CO: 3 To enable the students to have a working knowledge of MS Office. CO: 4 To assist the students in making work assignments in word file and giving power point presentations
FSTB1105L	Elements of Design(Pract.)	CO: 1 To acquaint the students with the use & application of design elements like Lines, Shapes, Texture & color to form a good design. CO: 2. To develop the aesthetic and creative sense for designing through knowledge of principles of design CO: 3 To develop a design sense through color aspects in designs Co: 4 To enable students to understand rendering of textures
FSTB1106L	Drafting & Pattern making – I (Pract.)	CO: 1 To understand and create various structural design components in clothing
FSTB1107L	Fundamentals of computers (Pract.)	CO: 1 To enable students to handle of Corel draw tools and create design compositions CO: 2 To enable the students to make presentations in PowerPoint with its multimedia tools
FSTB1108L	Fashion Craft (Pract.)	CO: 1 To enable students to create awareness about different crafts

Semester-Il (Exam April/May)

B.Sc.Fashion Technology Semester Il

Course Outcomes (COs):

PAPER CODE	PAPER NAME	COURSE OUTCOMES
FSTB1201T	Fashion Studies	CO: 1 To understand the fashion terminologies, fashion scenario and fashion industry CO: 2. To foster an understanding of international / Indian designers and their work

		CO: 3. Get an insight into the more recent developments in the field of global fashion CO: 4 To acquire the knowledge of national and international fashion centers
FSTB1202T	Textile Science	CO: 1.To enables students' knowledge of the essential and desirable properties and structure of textile fibers. CO:2. To enable students 'to have knowledge of various yarn formation process and basic fabric construction techniques
FSTB1203T	Care and Maintenance of Garments	CO: 1Students will came to know about care and laundering of garments. CO:2 Understand the concept of dry cleaning,
FSTB1207L	Fashion Studies	CO:1 Skill development for research and for presentation
FSTB1208L	Fashion accessories	
FSTB1209L	Sewing Techniques & Equipment	CO: 1 To acquaint the students with the basics of apparel construction. CO: 2. To have working knowledge of tools and equipment used in sewing. CO: 3 Identification of different types of seams, seam finishes, Fullness, Plackets, Pockets sleeves and collar for various garments CO: 4. Handling the sewing machine and the ability to do stitch basic stitches on fabric
FSTB12010L	Fashion Illustration - I •	CO: 1 To acquaint the students with the basics of fashion illustration concepts and techniques. CO: 2 To enable students to draw fashion and model figures indifferent poses CO: 3To develop drawing skills required for designing through line and shading exercises

B.Sc. FT Part-Il

Semester-Ill (Exam- Nov / Dec) .

B.Sc.Fashion Technology Semester Ill

Course Outcomes (COs):

PAPER CODE	PAPER NAME	COURSE OUTCOMES
FSTB2101T	Fabric Study	CO:1.Understanding working of looms and weaving structures CO:2.understand various fabric formation techniques.
FSTB2102T	Apparel Manufacturing Technology	CO: 1.To acquaint the students with structure of apparel industry..

		CO:2. To make the students aware of the working of various departments of garment industry CO: 3 To expose the students to the latest practices and technological world of garment production Course Outcomes
FSTB2103T	History of Indian Costumes	CO: 1 To give an insight about evolution of Indian costumes since ancient times. CO: 2 To understand the importance and relevance of Indian costumes as an inspiration for design creations.
FSTB2105L	Fabric Study	CO:1. To understand different type of weaves. CO:2. .To acquaint the students with different knitting techniques.
FSTB2106L	Computer Aided Fashion Design	CO: 1 Application of tools of Coral Draw and Photoshop for making design compositions for textiles and apparel CO: 2. To enable students to develop textures and patterns using CAD softwares
FSTB2107L	Fashion Illustration-Il	CO: 1 To enable the students to illustrate garment details CO: 2To enable students to understand design through drawings
FSTB2108L	Garment Construction-I	CO: 1 To acquaint students with the techniques and skills of pattern drafting and working patterns CO: 2 To enable students to obtain harmony between the pattern and design of the garment

B.Sc.Fashion Technology Semester IV
Course Outcomes (COs):

PAPER CODE	PAPER NAME	COURSE OUTCOMES
FSTB2201T	History of World Costumes	CO: 1 To acquaint the students with the history and evolution of World Costumes. Course Outcomes
FSTB2202T	Indian Textiles	CO: 1 To acquaint the students to the world of rich and glorious Textiles and crafts of India. CO: 2 To identify Textile crafts traditions used in different regions of India by various communities
FSTB2203T	Textile Dyeing and Printing	CO:1To understand various dyeing and printing techniques. CO:2 To gain knowledge about textile finishing
FSTB2204L	Surface Ornamentation	CO:1.Students will learn various ornamentation techniques to embellished the articles.
FSTB2205L	Draping and Grading	CO: 1 To develop structured garment using draping techniques

FSTB2206L	Craft Study	CO:1.Sudents will get knowledge of different crafts of India and their production process.
FSTB2207L	Textile Dyeing and Printing	CO:1 Differentiate between dyeing &printing. CO:2 To acquaint different methods of dyeing and printing

Semester-V (Exam: November/December)

B.Sc.Fashion Technology Semester V

Course Outcomes (COs):

PAPER CODE	PAPER NAME	COURSE OUTCOMES
BFT501	Fashion Marketing	CO: 1 To develop an insight among students in Fashion Markets CO: 2. To acquaint the students with the importance of marketing and principles of marketing in the fashion apparel market. .
BFT502	Organisation of Fashion Industry	CO: 1 To provide fundamental knowledge of organizational structure and working of Apparel Industry. CO: 2. To impart knowledge regarding marketing channels and operational policies in garment retail sector. CO: 3 To understand various segments of apparel sector for Channelizing interest area
BFT503	Eco Textiles and Sustainability	C0:1. To impart knowledge regarding eco-friendly fibres and fabrics. CO:2. To understand sustainable dyeing and printing processes.
BFT. 511	Seminar	CO:1.Students will able to generate new innovative ideas CO:2.Skills for research will develop
BFT512	Computer Aided Fashion Desi gn-ll	C0:1.To attain knowledge of various tools of corel draw &photoshop
BFT513	Drafting, Pattern Making and Garment Construction	CO:1.Came to know about drafting and garment construction for formal wear man/woman.
BFT514	Fashion Illustration-IV	CO:1.To sketch fashion croqui of male and kids CO:2.To illustrate Male,Female & kids wear on croquie

B.Sc.Fashion Technology Semester V1

Course Outcomes (COs):

PAPER CODE	PAPER NAME	COURSE OUTCOMES
BFT601	Fashion Merchandising	CO: 1 Understanding the process and organizational structure of fashion merchandising. CO: 2. Capacity to relate to what was learnt in the class room to the industry
BFT602	Personality and Clothing	CO: 1 To provide fundamental knowledge relation of clothing to physical and mental health of wearer

		CO: 2. Understanding factors affecting selection of clothing CO: 3 To understand the clothing psychology of the persons CO: 4 To study different types of personalities in relation to clothing.
BFT603	Fashion communication and media	Co:1 Students will came to know about fashion communication CO:2 Understand the relationship between media and fashion industry.
BFT611	Project Work	CO: 1 Utilize elements and principles of design in designing, constructing, and/or altering textile, apparel, and fashion products. CO: 2 Develop a systematic, critical approach to problem solving at all levels of the design process. CO:3 Relate the design process to the appropriate manufacturing process. CO:4 Demonstrate professionalism by managing time to meet deadlines with quality work and effectively collaborating in teams. CO:5 Research and relate fashion design to a broader socio economic, historical, and environmental context
BFT613	Portfolio	CO: I Throughout their experience, students produce original designs and develop collections for their portfolio. CO: 2. The students will produce original designs and dynamic illustrations, combining traditional and digital methods, for their portfolios
BFT614	Fashion Photography	CO:1 Students will able to know about cameras and lenses with their functioning. CO:2 Students will able to create the look though fashion styling and capturing the visual image. CO:3Students will came to know about different approaches of fashion phototography to present theme based presentation of fashion articles.
BFT612	Fashion Design and Construction (Fashion Show	CO: 1 Students will be able to give examples of various types of fashion shows and outline the fashion show plan

Department Of Education

B.A. B.Ed.

Programme Outcome

B.A. B.Ed. Integrated is a four-year undergraduate programme that offers a dual degree. The programme is designed according to NCTE guidelines to prepare qualitative future teachers for nation-building.The programme was started with a vision to impart in-depth knowledge of different subjects of Humanities including Mathematics, Political Science, History, Geography, Economics, Sociology, Psychology as well as English, Hindi , Punjabi languages and Education in this programme. The B.A. B.Ed graduates become eligible for teaching in upper primary and secondary Govt. and Private/Public schools. They can also work as Content Developers with various educational organizations and publishing houses. The Programme makes them capable of working as Academic Coordinators and Supervisors. Besides this, with a strong and extensive professional training, these graduates can open, establish and manage their own schools. B.A. B.Ed. graduates have a choice of different PG courses like M.Ed.,PG Diploma (Teacher Training) courses and MA.

Programme Specific Outcome

The BA B Ed. Programme is a professional course. The BA B.Ed. curriculum facilitates all round development of pupil teachers. The specific programme outcomes can be listed as follows:

- To develop teachers who are professionally equipped with skills and competencies for changing technological needs.
- To build the right attitude, values needed for teaching profession.
- Practice skills and approaches for enhancing understanding of subject matter knowledge to be taught in secondary schools (Science, Mathamatics Social Science , English, Hindi , Punjabi languages).
- Analyze the secondary school curriculum of various Schools affiliated to different Boards.
- Appreciate the role of teacher in prevailing socio-cultural, Economic and Political Systems in general and education system in particular.
- To develop Social awareness and skills in pupil teachers who can be leaders and agents of social change and transformation in society.

DETAILS OF COURSES AND COURSE OUTCOMES

C.O. NO.	NAME OF COURSE	DESCRIPTION OF COUSE OUTCOME
CO1:	Psychological Perspective in Education	Understand the learner and his abilities. Understand the process of human development with special reference to adolescence. Familiarize with administration and interpretation of Psychological tests. Apply the understanding of the different type of learners in various classroom situations.
CO2	Philosophical Perspective in Education	Understand concepts and principles of foundations of education. Apply theories, ideas and generalization of educational foundations. Express and discuss philosophies and social concepts precisely and rationally. Analyze different views and schools of thoughts on education and draw generalization.
CO3	Educational Policy and Planning in Contemporary India	Understand the education policy and its determinants. Identify and apply various approaches of educational planning. Analyze the functioning of administrative bodies. Critically analyze recent education policies.

CO4	School Management	Understand the concept and importance of school management. Understand the concept of time table and co-curricular activities. Understand the role of worthy head masters and teachers. Understand the roles of students" self-government.
CO5	Library Resources and Art in Education	Understand the basic principles of library science and develop library ethics. Enhance artistic and aesthetic sensibility among learners to enable them to respond to the beauty in different Art forms, through genuine exploration, experience and free expression. Enhance skills for integrating different Art forms across school curriculum at secondary level.
CO6	Teaching Learning Process	Explain the nature and characteristics of teaching. Describe the principles and maxims of teaching. Discuss anatomy of teaching. Differentiate between teaching and learning. understand the role of teacher Motivating, strengthening and sustaining learning styles.
CO7	Sociological Perspective in Education	Understand the concept of education from a sociological perspective. Analyze social stratification in Indian society. Inculcate human values among the learners. Be an agent of change for removal of various types of disparities.
CO8	Curriculum Development	Understand the need and importance of curriculum. Analyze different issues in curriculum. Apply different approaches to curriculum construction. Able to construct curriculum for children with special needs.

CO9	Experiential Learning:	Develop insight on indigenous models of experiential learning. Understand and practice models of Indian philosophers for societal reconstruction. Promote respect for diversity, leadership and social justice Identify pedagogical practices for effective implementation of curriculum strategies.
CO10	Enriching Learning through ICT	Understand the role and importance of ICT in teaching-learning process. Integration of ICT in teaching learning process. Employ hands-on-experience on computer. Use different multimedia and on-line resources in teaching-learning process. Familiarize with the new trends in ICT.
CO11	Pedagogy Of Social Sciences,History ,Political Science, Geography	Develop an understanding of aims and objectives of teaching social studies. History ,Political Science and Geography. Acquire skills to inculcate national and international values through Social Science ,History, Political Science and Geography. Develop skills of making teaching learning process experiential and joyful.
CO12	Pedagogy of Physical Education	Develop an understanding of objectives and importance of teaching of Physical Education in schools. Know the relationship of Physical Education with other subjects. Understand the importance of Physical Education room, equipment and text book. Bring the overall awareness of values and to inculcate among students the desired habits and attitude towards Physical Education. Develop an awareness regarding the importance of Physical Fitness and organic efficiency in individual and social life.
CO13	**Pedagogy Of Languages**	Develop an understanding of nature of language system and methods of teaching language. Identify the organs of speech and recognize the vowel sounds in particular language. Appreciate the various perspectives that have their bearing on the emergence and evolution of Languages as a discipline. Understand the inter-link between Languages as a disciplines and as a school Subject

CO14	Pedagogy of Mathematics	Understand the importance and objectives of teaching mathematics. Understand in nature of mathematics. Know about in contribution of mathematician. Understand in pedagogical analysis of different topic.
CO15	Assessment for Learning	Gain a critical understanding of issues in assessment and evaluation. Differentiate between various types of assessment. Use of a wide range of assessment tools. Select and construct various types of assessment tools appropriately. Evolve realistic, comprehensive and dynamic assessment.
CO16	Gender, School and Society	Develop basic understanding of gender and its related key concepts. Understand some important landmarks in connection with gender and education in the contemporary perspective. Learn about gender issues in school curriculum, text and pedagogical processes. Understand the relationship of gender, power and sexuality to education.
CO17	Inclusive School	Understand the concept and importance of inclusiveness in education. Use different teaching strategies for inclusive education. Understand the role of teachers, parents and community for supporting inclusion. Understand the recommendations of various Policies.
CO18	Understanding the Self	Understand the self of the growing student as well as teacher. Shape their own and student's sense of identity. Reflect on one's aspirations and possibilities in order to develop a growing sense of agency as a 'teacher', a 'professional', as well as a 'human being'.
CO19	Reading and Reflecting on Texts	Understand different types of Text. Reflect upon different types of policy document. Discuss narrative text, autobiographical text and ethnographical text.

CO20	Environmental Education	Understand the concept of environment. Understand the concept of environmental crisis and Management. Understand the nature, need and importance of environmental education. Know about the natural disasters. Identify and correlate the role of International organisations in the management of environment.
CO21	Health and Physical Education	Understand the concept of holistic health and its various dimensions. Understand the importance of sports and yoga for development of holistic health. Be equipped about their health status.. Sensitize, motivate and help them to acquire the skills for physical fitness.
CO22	Guidance And Counselling	Understand the need and importance of Guidance and Counseling. Develop skills of collection of data through testing and non-testing tools. Conduct a counseling interview. Organize guidance programs in secondary/senior secondary schools.
CO23	Strengthening Language Proficiency	Comprehend ideas for reflection and thinking, as well as for expression and communication. Enhance one's facility in the language of instruction is thus a vital need of student-Teachers. Strengthen the ability to 'read', 'think', „discuss and communicate' as well as to 'write'
CO24	Human Rights and Value Education	Understand the concept and meaning of human rights. Understand the fundamental principles of human rights education and need and importance of value education. Understand the role of various values keeping organizations of the world.
CO25	Special Education	Develop an awareness and skill in identifying special children. Equip themselves with latest trends of the special education. Impart knowledge about functioning of special schools.

CO26	School Internship	Develop observational skills of teaching profession. Develop a comprehensive and critical understanding on school plant and related activities. Develop the managerial skills required in schools. Understand pedagogical skills and how to apply these skills in real teaching situations.

DESH BHAGAT COLLEGE BARDWAL-DHURI

(Affiliated to Punjabi University, Patiala, approved by NCTE, Accredited by NAAC "B" Grade)

DEPARTMENT OF COMMERCE

This program aim to provide students with specific knowledge and skills relevant to their discipline and careers. After completing two year of Masters of commerce (M.com) and three years for Bachelors in Commerce (B.Com) program, students would gain a thorough grounding in the fundamentals of Commerce and Finance which offers a number of specializations and practical exposures for the students to face the modern-day challenges in different professional bodies.

This program could provide well trained professionals for the Industries, Banking Sectors, Insurance Companies, Financing companies, Transport Agencies, Warehousing etc., to meet the well trained manpower requirements. The broader perspective of this programme offers a number of value based and job oriented courses which ensure that the students are trained into up-to-date. In advanced accounting courses beyond the introductory level, provide students with the analytical, evaluative and problem-solving skills commensurate with degree level higher education. At the end of the B.com degree course, by virtue of the training, they can become an manager, accountant, management accountant, cost accountant, bank manager, auditor, company secretary, teacher, professor, stock agents, government jobs etc.,

The Program Specific Outcome (PSO)

- Develop a critical awareness and understanding of the main functional areas of business administration and the management process within a variety of institutional and organisational contexts.
- Utilise their knowledge, understanding and skills to work successfully in a professional or business house.
- To demonstrate and understanding of the principles of accounting, finance, economic and business law.
- To develop numerical abilities of students.
- To inculcate writing skills and business correspondence.

Course	Name of Course	Description of Course outcome

outcome No.		
CO-1	Principles of business management	The students will be versed with various managerial functions. They can use this skill whenever they join the managerial positions or start their own business ventures.
Co-2	Corporate Accounting -|	The students will be well versed with the issue and redemption of shares and debentures, forfeiture of shares etc. They will be able to prepare final accounts in simple as well as consolidated form.
CO-3	Income tax law -|	Students will acquire knowledge about concept of Income, exempted Incomes, Various heads of Income and clubbing provisions under Income Tax Act. This will help them incalculating their Income Tax liability and filing of Income Tax returns.
CO-4	Business mathematics	After studying this course, students will acquire knowledge on the application of statistical techniques for data analysis. This knowledge can be used by them in their research projects.
CO-5	Company law	After qualifying this course, students will have a broader understanding of various provisions of Companies Act 2013. This knowledge will be useful to them if they work in the Indian Corporate Sector
CO-6	Corporate Accounting -||	After completing this course the students will be able to understand the accounting process in case of amalgamation, absorption, merger and reconstruction of Indian Companies. They will also learn about accounting system prevailing in Insurance and Banking Companies.
CO-7	Income tax law -||	After completing this course the students can independently prepare and file Income Tax Return. They will also be well versed with provisions relating to advance tax, TDS, penalties etc. under Income Tax Act
CO-8	Operations research	After the completion of this course, students will be able to apply quantitative methods & techniques for effective business decisions making, model formulation and solving business problems.
CO-9	Fundamental of Financial Accounting	After studying this course the students will be able to understand the whole accounting process and preparation of accounts for partnership concerns, nontrading concerns, hospitals and educational institutions.
CO10	Business Organisation	The students will be well versed with various forms of organization. They will have basic knowledge of starting their own enterprise. The students will haveworkable knowledge of various

		functional aspects of business.
CO11	Micro economics	The students will be able to understand demand and supply analysis, production function and price determination under different market condition.
CO12	Business laws -|	The students will be well versed with the Law of Contract and Patents Act widely used by business enterprises
CO13	Computers for business	After studying all the content in the course the student will be able to create business documents and analyse data using MS Excel, MS Word and MS PowerPoint.
CO14	Fundamental of Financial Accounting-||	After studying this course students will be able to prepare Hire Purchase and Branch Accounts. By using Tally, they can record business transactions and prepare final accounts with efficiency and accuracy.
CO15	Principles and practices of management	The students will be well versed with the various managerial functions.
CO16	Macro economics	After completion of this course, the students will be able associate the economic phonomena with existing theory and put their views on some economic issues.
CO17	Business laws -||	After completion of this course, the students will be able to understand the mechanism of Negotiable Instrument Act, Information technology Act, Consumer protection Act and Right to Information Act.
CO18	Computer applications for business	It makes students familiar with computers and operating system and usage of computer in the field of commerce.
CO19	Banking operations and procedures	The students will learn about functions of bank, services rendered by banks, dishonour of cheques, banker's right and type of bank accounts. They will also learn about different types of customers and different laws relating to banking and anti money laundering.
CO20	Fundamentals of Insurance	The students understand the importance of insurance. They learn about insurable risk, various laws related to insurance contract. Classification of insurance, progress and growth of insurance sector.

CO21	Business statistics	After completion of course students will learn about functions and importance of statistics. They learn about measures of central tendency,time series, correlation ,regression.
CO22	Management Accounting	This course provides students with an understanding of management accounting concepts related to the management functions of planning, control, and decision making. It helps the students to compare the financial statements and financial analysis. In addition, the course focuses on the provision of accounting information for managerial control and decision making, related to planning and budgeting, variance analysis and performance evaluation.
CO23	Indirect taxes	To learn and apply principles and provisions of indirect tax
CO24	Cost Accounting	The main objective of this course is to familiarize students with the basic concepts of cost and various methods and techniques of cost accounting. The students understand clearly to reduce and control the cost during the course of production because cost is a vital aspect in the modern business. It also helps to provide knowledge about the ascertainment the profitability of each of the products and advise the management to maximize its profits.
CO25	Auditing	To develop the fundamental concepts of Auditing & inculcate the knowledge of the principles and practices of internal and external auditing. It help the students to understand the auditing as a component of recurrent and strategic activities, risk assessment, internal control, systems evaluation, and other contemporary audit issues and challenges.To obtain working knowledge of generally accepted auditing procedure, techniques and skills.
CO26	Principles of marketing	To introduce students to marketing concepts, the environmental and organisational factors that shape marketing decisions.
CO27	Project	The aim of the Project work is to acquire practical knowledge on the implementation of perceptions studied through the programmed.

CO28	Punjabi and English language	The students get to develop proficiency language, use of grammatically accurate language. They also learn translation of English and Punjabi.
CO29	Business Environment	With this course the students can analyse overall business environment and evaluate its various components
CO30	Fundamental of entrepreneurship	After completion students will learn about functions, scope and significance of entrepreneurship. They also learn opportunity analysis, external environment analysis and technological analysis.
CO31	Corporate Governance	Students will understand the issues addressed by corporate governance structures. Students will get to know about markets, regulations and information in corporate governance.
CO32	International marketing	After completion of the course students learn about the scope of international marketing and its environment. They also learn the product, price, place and promotion for international marketing. Further they also understand the process of export and documentation.
CO33	E-commerce	This will impart the students with higher level knowledge and understanding of contemporary trends in E-commerce. It will also provide adequate knowledge and understanding about E-commerce practices to the students.
CO34	Production and operations management	After completion of course students will learn about inventory control technique, production techniques ,material management , quality management etc.
CO35	Advertising and brand management	Students will learn the advertising concepts, advertising planning, advertising budgets. They also learn about branding, brand personality ,image and identity.
CO36	Business economics	Through this course, the students will get knowledge of economics as a subject and its importance in business. With demand and production theories, decisions can be made scientifically. This will also help them in understanding price determination practices in various types of markets. The course will also

		cover Keynesian theory of income and employment and theories of business cycle.
CO37	Management concepts and organisational behaviour	After the completion of this course students will learn about the managerial functions, importance of human behaviour, concepts related to individual and group behaviour. They will also learn the concept of organisational culture and theory of planned change. This will prepare them to efficiently manage their organisation in future.
CO38	Accounting for managerial decisions	After completion of this course, students will have knowledge about the analysis and interpretation of financial statements. They will learn about concepts of traditional and strategic cost management system. This will help them in evaluating performance and applying budgeting techniques in business
CO39	Financial management	The students will be able to understand the concept of financial management and will be capable of taking long term investment decisions. They will have detailed knowledge of various components of working capital management and capital structure. They will be acquainted with dividend policy and various practices in this regard.
CO40	Research methodology and statistical techniques	After the completion of this course students can identify various data collection methods for the purpose of research and the statistical tools required for the analysis of data. Thus they will be able to independently conduct business related research.
CO41	Advanced accounting	With this course the students will have an understanding about the Indian Accounting Standards and IFRS. This will also help the students to know about various contemporary issues in accounting.
CO42	Financial institutions and markets	After the completion of this course students will be able to understand about this Banking and non-banking financial institutions operating in India. They will further acquire knowledge about capital and money market.
CO43	Contemporary Auditing	At the end of course students attain knowledge of fundamental of auditing concepts and procedures and application of auditing standards, different

		types of audit. Rights duties and responsibilities of auditor.
CO44	Corporate legal framework	At the end of course students will learn about provisions and application of law. Student will get understand of companies act 2013, Negotiable instrument act 1881.
CO45	Direct Tax laws	Students will come to know about calculation of tax liability for various assessee.
CO46	Marketing management	To introduce students to marketing concepts, the environmental and organisational factors that shape marketing decisions.To examine the role of marketing decisions in a variety of settings including manufacturing and service firms, consumer and business markets, profit and non profit organisations, domestic and global companies and small and large businesses.
CO47	Management of financial services	Students will develop knowledge about operations, strategies and regulations regarding financial services.
CO48	Human resource management	To provide the students the concept of the functioning of Human Resource /Personnel Department,Manpower planning, performance appraisal, Selection and Recruitment process, Labour Welfare, Industrial Relations etc.
CO49	Fundamental of investment	Students will learn about concept of investment, it's risk and return analysis, various alternative available in economic and market analysis.
CO50	Corporate tax planning	After completion students will learn about corporate sector and it's taxation procedure . They also learn about tax procedures, tax deduction at source..
CO51	International finance	After completion students will learn about concept of international finance. They will be well verse with dealing of foreign exchange.

- To acquire practical skills related with banking and other business.
- To develop knowledge about economic environment of country as well as world.
- To demonstrate progressive learning of various tax issues and tax forms related to individuals so that learners can also acquire practical skills to work as tax consultant, audit assistant and other financial supporting services.
- To demonstrate knowledge in setting up a computerized set of accounting bo

Department of Library and Information Science

Program outcome

B.Lib.I. Sc.

The program B.Lib. I. Sc. Focuses on skill development of Library & Information Science students for selecting, acquiring, organizing, processing, storing and dissemination of information. It also enhances the competencies for managing libraries and information centers by applying the principles of librarianship and professional ethics. This program also enhances the students knowledge in organizing libraries through use of technologies.

Course outcome of B.Lib.I.Sc.

LIBB1101T	**Foundations of library and information science**
This paper enhances the knowledge of students about the basics of library and information science. Moreover, the students will be able to understand the different categories of libraries & and information centers. Students will learn about library legislation, library associations and other related areas.	
LIBB1102T	**Knowledge organization and information processing : Theory**
This paper focuses on the theoretical aspects of Library classification and cataloguing . It will help the students to understand the various principles and other aspects of library classification and cataloguing.	
LIBB1103T	**Management of Libraries and Information centers**
This paper develops the managerial skills in the students. They will become efficient information and knowledge managers in different type of libraries. Students will understand library house-keeping operations to run the libraries effectively and efficiently.	
LIBB1104T	**School library system**
The students will understand the working of school library system which will help them serve in school libraries and learning media centers effectively. Students also familiarize with the sources and services provided by school library.	
LIBB1105T	**Library and its users**
This paper has been designed to enhance the use of library resources and services and create the awareness among the students about library resources and services.The students will be able to analyze and understand users' information needs and different categories of library users.	

LIBB1206T	**Knowledge organization and information processing : Classification Practice CC & DDC**

This paper develops practical skills in classification with both schemes Colon Classification & Dewey Decimal Classification. The students will be able to classify the books according to both schemes. It helps the students to organizing the knowledge in best way.

LIBB 1207T	**Knowledge organization and information processing : Cataloguing Practice CCC & AACR II**

This paper develops the cataloguing skills of students for developing effective OPAC & Web-OPAC. The students will be able to catalogue documents according to Classified Catalogue Code & Anglo-American Cataloguing Rules-II. Moreover, the students can join as knowledge manager in different institutions.

LIBB 1208T	**Information Sources and Services**

This paper develops the skills about information sources and services among students. It will help the future library professionals in servicing various print and electronic resources in handling users' queries and in providing various information services. They will be able to provide the different type of information sources and services to the library users.

LIBB 1209T	**Information and Communication Technology : Basics**

Information and Communication Technology is an integral part of library and Information Science. They will feel empowered in using and applying the ICTs in libraries. It develops the technical skills among library science students for library automation, networking and resource sharing at different levels.

Desh Bhagat college Bardwal-Dhuri

Affiliated to Punjabi university, Patiala, approved by NCTE, Accredited by NAAC "B'' Grade

Department of Punjabi

Name of the Course: Punjabi Compulsory (B.A-I, B.A-II, B.A-III)

Course Outcome:

1. It will widen the critical and creative faculty of the students and it enables the students to discuss the things around as the subject of punjabi provides a wide range of vocabulary to express particular ideas. It also enables them to learn the literary skills.
2. The course opens the window to the students of various activities in which they can develop deep and think of magnifying their faculties to know and discuss the complex phenomenon around them.
3. The subject caters to both aesthetic and intellectual needs of the students by introducing them to a range of literary pieces.
4. The range of the subject is not only limited to communication skills and sensibility to literature but also to certain other areas of knowledge.

Course Specific Outcome

1. To motivate the students to own and love their mother tongue
2. To bring forth and encourage Punjabi writers and poets.
3. Department of Punjabi provides excellent teaching and learning environment with its focus on continuing education.
4. Students can also opt to become journalists and editors of different newspapers.
5. To educate students about Punjabi culture and heritage through Punjabi literature.
6. To impart quality education in Punjabi to rural and economically weaker students.

(*Punjabi literature is an optional subject according to Punjabi university Patiala guidelines*)

Name of Course: Punjabi Literature (B.A-I, B.A-II, B.A-III)

Course Outcome

1. This subject provides a very vast range of human emotions and experiences. It caters to the aesthetic as well as intellectual needs of the students.
2. The great writers of past and present throw open the reservoirs of knowledge that inspires the students in a better way.

3. It enables the students to know and understand the socio-cultural tendencies of different geographical locations of the world. The wide range of social, cultural, political and economic experiences generates the kind of environment where students particularize and generalize the situations.
4. It enables to find the diminishing and new trends in writing.
5. The subject also throws open the ways for Cinematic studies.
6. It increases the imagination and creativity of the students to such a level that they start perceiving the ever increasing and ever renewing boundaries of human intellect and emotions.

Course Specific Outcome

1. It prepares the students for higher studies in the field of literature.
2. Students can also prepare for the coveted exams like UPSC, PCS.
3. Students can also do B.Ed to become teachers in a school.

Name of Course: M.A. Punjabi (Part I& II)

Course Outcome:

This course provides the students with a vast range of writers and their literary and creative styles. Students go through different branches of literature like poetry, drama, novel and theoretical idea and they also get to know the ever expanding and ever renewing processes of literature. Students get to know Indian writers and their different creative styles. Students also read and understand different theoretical schools and literary criticism gives them insight into the developments in the field of criticism.

Course Specific Outcome

1. Students can explore research areas by joining M.Phil or P.hD. courses.
2. They are also eligible to appear for NET to pursue their career in higher studies.
3. They can write information for magazines, websites etc.
4. They can be bloggers or content writers for ad agencies.
5. They can avail overseas scholarships and get jobs there.
6. As postgraduates from this field, they develop ample critical ability to analyze and reproduce matter easily.
7. They can also become anchors for punjabi news channels.

Post Graduation Department of English

Communication Skills (B.A-I, B.A-II, B.A-III)

Course Outcome:

1. It will widen the critical and creative faculty of the students and it enables the students to discuss the things around as the subject of English provides a wide range of vocabulary to express particular ideas. It also enables them to learn the literary skills.

2. The range of the subject is not only limited to communication skills and sensibility to literature but also to certain other areas of knowledge. They are given training in writing and oral skills. They are made to learn the exact pronunciation keeping in view the Standard English.

3. The course opens the window to the students of various activities in which they can delve deep and think of magnifying their faculties to know and discuss the complex phenomenon around them.

4. It not only provides a peep into the thought process of Indian writers but it provides the opportunity to the students to read the minds of the writers of the other parts of the world.

5. The subject caters to both aesthetic and intellectual needs of the students by introducing them to a range of literary pieces.

Course Specific Outcome:

1. English provides ample job opportunities as it is an international language. In this fast changing competitive world, a monolingual finds it very difficult to get employment. The knowledge of English throws open employment opportunities at different levels.

2. In this technological era, the need for content writing is arising day by day and those who know English well can earn handsomely by adopting this profession.

3. Good knowledge of English also paves the way to work in Multinational companies.

4. Students can also opt to become journalists and editors of different newspapers.

5. They can also find an opportunity to work in electronic media and this world of glamour takes them to a privileged condition.

6. A wider knowledge of English may take them to specialized zones where they can work as technical writers, business writers etc.

Name of Course: English Literature (B.A-I, B.A-II, B.A-III)

Course Outcome:

1. This subject provides a very vast range of human emotions and experiences. It caters to the aesthetic as well as intellectual needs of the students.

2. It increases the imagination and creativity of the students to such a level that they start perceiving the ever increasing and ever renewing boundaries of human intellect and emotions.

3. The great writers of past and present throw open the reservoirs of knowledge that inspires the students in a better way and they immerse themselves in the busy business of analytical skills.

4. It enables the students to know and understand the socio-cultural tendencies of different geographical locations of the world. The wide range of social, cultural, political and economic experiences generates the kind of environment where students' particularize and generalize the situations.

5. It enables to find the diminishing and new trends in writing.

6. The subject also throws open the ways for Cinematic studies.

Course Specific Outcome:

1. It prepares the students for higher studies in the field of literature.

2. Students can also do B. Ed to become teachers in a school.

3. Students can also prepare for the coveted exams like UPSC, PCS.

4. Keeping in view the changing dynamics of jobs, student can be bloggers, content writers, business writers, technological writers.

Name of Course: M.A. English (Part I& II)

Course Outcome:

This course provides the students with a vast range of writers and their literary and creative styles. Students go through different branches of literature like poetry, drama, novel and theoretical idea and they also get to know the ever expanding and ever renewing processes of literature. Students get to know Indian writers and their different creative styles. Students also study and analyse American, English, Canadian, Australian, and a host of other non-western writers. Students also go through the translated works of different regional languages of the world. Students also read and understand different theoretical schools and literary criticism gives them insight into the developments in the field of criticism.

Course Specific Outcome:

1. Students can appear for UPSC, PCS exams.

2. Students can explore research areas by joining M. Phil or Ph. D. courses.

3. They are also eligible to appear for NET to pursue their career in higher studies.

4. They can write information for magazines, websites etc.

5. They can be bloggers or content writers for ad agencies.

6. They can work at some technical places as technical writers.

7. They can avail overseas scholarships and get jobs there.

8. They can set up independent translation firms as well as become eligible for official translators in Embassies and for official visit of the dignitaries from foreign countries.

9. They can be campaign managers or speech writers.

10. As postgraduates from this field, they develop ample critical ability to analyze and reproduce matter easily, so they can avail job opportunities in national as well as international magazines.

11. They can also become anchors for English news channels.

12. They have ample opportunities to work in Non-English speaking countries.

Department of Science

B.Sc Non-Medical (2023-24)

Program Specific Outcomes

B.Sc (Non-Medical)

PSO1. B.Sc Non-Medical student is able to concentrate on Chemistry, Physics, Mathematics and Computer.

PSO2. A non-medical student will be able to focus on scientific knowledge on core physics principles such as Mechanics, Electromagnetism, Modern Physics and Optics.

PSO3. He is able to develop manipulative skills on Algebra, Geometry, Mechanics, Trigonometry and Calculus.

PSO4. The student will be able to understand the appropriate use of technology in terms of experimental design and implementation, analysis of Experimental Data , numerical and mathematical methods in problem solving.

PSO5. He can apply various mathematical methods in the approach to new principles like Quantum Mechanics, Nuclear Physics, Solid State Mechanics, Problem Solving etc.

PSO6. The student will acquire knowledge regarding Chemical kinetics, Chemical Thermodynamics, Electrochemistry, Atomic Structure, Organic Chemistry, Solid State, Chemical Equilibrium.

PSO7. Student can join as research scientist in the research institutes like ICMR, CSIR, IISc's, IIT, IISER.

PSO8. Student can join as nuclear scientist in BARC after Qualifying BARC-OCES/DGFS.

PSO9. A non-medical student can go for prestigious services like Indian Air Force, Indian Navy Services and can also go for other competitive exams.

PS10. He/She can demonstrate basic Understanding of Computer Hardware and Software.

PS11. He will be able to apply underlying unifying structures of mathematics (ie. Sets, Geometry, Calculus) and apply relationship between them.

Course Outcome Chemistry (2023-24)
B.Sc Non-Medical

Chemistry
Semester-I
Course: Organic Chemistry

CO1: the main aim of this course is to provide ground and basic information of Organic Chemistry. Learners will be able to understand the structure and bonding of the organic compounds by learning various effects such as Inductive Effect, Resonance, Hyperconjugation, Resonance Effect etc.

CO2: To make students capable of understanding and studying classification of organic compounds and impart the students a thorough knowledge about the mechanism of reaction which determines the completion of reaction.

Course: Inorganic Chemistry

CO1: This course would help to explain students to get the knowledge about the Planck Constant and describe how the wavelength is calculated. It describes the wave mechanical model of the atom. It helps to explain how many electrons are present in particular space.

CO2: Students will make understanding with the periodic table and understanding terms related to that like Electronegativity, Electron-gain Enthalpy, Ionization Energy.

CO3: This Will Provide Knowledge About Noble Gas Family and Noble Gas Compounds Formation

CO4: It intends the knowledge of Chemical Bonding

Semester-II:

Course: Inorganic Chemistry

COI: Students will understand concept of close packing, ionic structures and factors affecting ionic solids which help them to identify and distinguish between different crystals.

CO2: students will develop understanding about the properties of alkali and alkaline earth metals.

CO3: it would enable the learner to learn about the structure of diborane, lewis acid nature of borontrihalides, preparation of carbides, nitrides & other relevant block compounds.

CO4: This course helps in understanding preparations and applications of fullerene, fluorocarbons, silicate compounds.

CO5: It makes the students to learn and understand about types of oxides and oxyacids, their structure and reactivity in s block & p block elements, interhalogen compounds, polyhalides compounds.

Course: Physical Chemistry

CO1: The main outcome of this course is to enable the students to understand about solutions used in daily life and methods of expressing their concentration.

CO2: By studying this course learners will be able to think about the nature of solutions and their stability which would be help them about the advantages and applications of various types of solutions.

CO3: This course aims at knowledge of different factors affecting rate of reaction and role of acid and base as a catalyst.

Semester-III

Course: Inorganic Chemistry

COI: Develop the knowledge of transition metals to understand the trends in properties and reactivity of the first series of d-block elements and to know the typical physical and chemical properties of the transition metals.

CO2: To study the lanthanide elements to understand the trends in properties and reactivity and to develop the understanding of the typical physical and chemical properties of the transition metals.

CO3: To explain the typical physical and chemical properties of the transition metals especially from second and third transition series. To identify simple compound classes for transition metals and describe their chemical properties.

CO4: In order to study transition metals to understand the trends in properties and reactivity of the actinides and its typical physical and chemical properties to understand its applications.

Course: Organic Chemistry

COI: This course will facilitate the learners to classify the types of these functional groups by nomenclature.

CO2: Through the structure and classification of the compounds containing these functional groups, they would be able to make comparison between the reactivity of these compounds.

CO3: This course allows the students to outline the mechanism of various reactions of organic molecules containing the above mentioned functional groups.

CO4: It would help in research work and to develop new chemical reaction with different methods.

CO5: They would be able to grab the knowledge about various naming reactions and they will learn about their applications in field of chemistry.

Course: Physical Chemistry

CO1: They will grab knowledge of the basic concept of Thermodynamics.

CO2: They will learn how to solve exact and inexact functions.

CO3: Students will get information regarding thermo chemistry in daily life activities.

CO4: Students will be able to get knowledge of the conversant processes of steam Dryness.

CO5: They will learn about uses of thermodynamics in daily life like in window A.C and refrigerators.

Semester-IV

Course: Inorganic Chemistry

COI: Students will be able to understand the applications of various types of complex and their properties.

CO2: Develop the knowledge of various processes which proceed through the oxidation and reduction and they will able to know the applications of these reactions.

CO3: It will develop the understanding of all type of acid and bases and explain the behavior.

CO4: Students will be able to understand the applications of various non aqueous solvents and their properties with chemical behavior.

Course: Organic Chemistry

CO1: Students will learn about the method of preparation, properties and uses of carboxylic acid along with their characteristic test.

CO2: Students will learn about the method of preparation, properties and uses of derivatives of carboxylic acid along with their characteristic test.

CO3: Students will learn about the method of preparation, properties and uses of ether along with epoxides.

CO4: Students will learn about the method of preparation, properties and uses of fats along with their commercial application.

CO5: Students will learn about the method of preparation, properties and uses of Organic compounds containing Nitrogen along with their distinguishable test.

Course: Physical Chemistry

COI: Phase diagrams are useful because they allow us to understand in what state matter exists under certain conditions. Phase equilibrium has wide range of applications in A industries including production of different allotropes of carbon, lowering of freezing point of water by dissolving salt, purification of components by distillation, usage of GO emulsions in food production, pharmaceutical industry

CO2: Conductivity measurements are used routinely in many industrial and environmental applications as a fast, inexpensive and reliable way of measuring the ionic content in a solution.

CO3: These articles are depends on the movement of the boundary between two adjacent electrolytes under the influence of an electric field and the speed of the moving boundary can be measured and used to determine the ion transference numbers.

CO4: Nernest equation can be used to find the cell potential at any moment in during a reaction or at conditions other than standard-state, by knowing this students can determine the equilibrium constant or Gibbs free energy In Concentration Cell students can know about how we can select anode or cathode. Nernest equation can be used to find the cell potential at any moment in during a reaction or at conditions other than standard-state, by knowing these students can determine the equilibrium constant or Gibbs free energy. In Concentration Cell students can know about how we can select anode or cathode and also how e.m.f be calculated from those. Students will also learn about that how we can prevents our metallic things from corrosion.

Semester-V

Course: Inorganic Chemistry

CO1: Students will be able to use Crystal Field Theory to understand the magnetic properties (and in simple terms the color) of coordination compounds which facilitate them to describe the shapes and structures of coordination complexes with coordination numbers 6 and 4.

CO2: Learner will develop the understanding of the stability of metal complexes by the use of formation constants and to calculate thermodynamic parameters from them. They will be able to describe rate of reactions of complexes and type of reactions in complexes.

CO3: Student will be able to describe magnetic properties of complexes, various kind of magnetic materials and effect of temp on magnetic characters. They will also able to describe methods of determining magnetic moments.

CO4: Student will be able to describe quantum numbers, orbital and spin angular moment of electrons. And To understand electronic transition, term symbol and concept of spectra.

Course: Organic Chemistry

COI: It will make the learner to develop interest about the Synthesis, Properties and applications of Organo-metallic compounds.

CO2: Students will learn about the Synthesis and Properties Organo-Sulphur compounds

CO3: Students will learn about the Principle, working and application of UV-Vis spectroscopy which will help them study the conjugation in organic compounds.

CO4: Students will learn about the Principle, working and application of IR spectroscopy which will enable them to detect the various Functional groups in organic compounds.

CO5: Students will get knowledge about Principle, working and application of NMR spectroscopy which will help them in structure elucidation through C13-NMR & PMR.

Course: Physical Chemistry

COI: The main outcome of this course is to provide information about Quantum Mechanics and Spectroscopy and Quantum Chemistry enables them to know about Schrodinger equation and its application.

CO2: Students learn about rotation & vibration spectroscopy and the electromagnetic radiations used in these spectra. And Through rotational spectroscopy they will learn the energy level diagrams of rigid & non rigid rotors. This course aims at applications of rotational and vibrational spectroscopy.

Semester- VI

Course: Inorganic Chemistry

CO1: On the completion of course the student will have knowledge of Pearson's HSAB concept, acid-base strength and hardness and softness. Symbiosis, theoretical basis of hardness and softness.

CO2: The aim of the course is the teaching and understanding of the basic principles of Biological Inorganic Chemistry Bioinorganic Chemistry that are considered necessary for the completion of postgraduate students' education. Also, the aim of this course is to present and describe bioinorganic systems through the correlation of the function, structure and activity of inorganic elements within the organisms. In particular, this course will include: a) a systematic study of trace element biosystems; b) the effect of the concentration of trace elements on health and the environment.

CO3: On the completion of course the students have knowledge of Silicones and Phosphazenes as examples of inorganic polymers, nature of bonding in triphosphazenes.

CO4: The focus of this course is on the synthesis, structure and bonding, properties and reactivity of main group organometallics (including Grignard reagents, organolithium reagents, organotin compounds, etc), organotransition metal chemistry and organometallic catalysis. And On the completion of course the student have knowledge of metal-ethylene complexes and homogeneous hydrogenation, mononuclear carbonyls and the nature of bonding in metal carbonyls.

Course: Organic Chemistry

COI: Students would have knowledge about the structure, preparation and properties of heterocyclic compounds after completion of this course.

CO2: The main focus of this course is to make the Students familiar with the classification, synthesis and application of various polymers.

CO3: Students will learn the importance of enolates as starting material in organic synthesis.

CO4: Students will get knowledge about the classification, conversion and application of carbohydrates.

CO5: Students will learn about the classification, conversion and application of protein.

Course: Physical Chemistry

COI: To make them familiar in the study of surfaces and of heter interfaces between constituent's layers.

CO2: On completion of this course they will know about the orbital concept.

CO3: Helpful in determination of the geometrical structure of molecules in triplet state.

CO4: Study is helpful for structure identification.

CO5: Student able to know how laser and masers are work which are used in wide range of field.

CO6: Student would be able to study the structure using X-rays.

CO7: Complete study about structure for the compounds used in daily life.

COS: laws study helpful in research work.

CO9: Mechanism of different processes is studying.

CO10: Daily used light applications.

CO11: Students able to know how the energy transfers in different processes.

DEPARTMENT OF PHYSICS

Programme Name – B.Sc. (Physics)

Session 2023-2024

PROGRAMME SPECIFIC OUTCOMES:

PSO1: Students will demonstrate proficiency in mathematics and the mathematical concepts Needed for a proper understanding of physics.

PSO2: Students will demonstrate knowledge of classical mechanics, electromagnetism and Modern physics and be able to apply this knowledge to analyze a variety of physical Phenomena.

PSO3: Students will show that they have learned laboratory skills, enabling them to take Measurements in a physics laboratory and analyze the measurements to draw valid Conclusions.

PSO4: Students will be capable of oral and written scientific communication and will prove That they can think critically and work independently.

PROGRAMME OUTCOMES:

After completing BSc program students will be able to:

PO1: Knowledge outcomes: Apply the basic principles of physics to the events occurring around us and also in the world things, try to find out or analyze scientific reasoning for various things.

PO2 : Skill outcomes: Use of computer and various software and programming skills. Apply the knowledge to develop the sustainable and eco friendly technology for pollution free environment. Collaborate effectively on team oriented project in the field of Physics.

PO3: Generic Outcomes: Develop ability to work in Group and also capacity of critical reasoning judgment and communication skills .Also develop ability for logical thinking.

COURSE OUTCOMES:

In Each course student students will learn different concepts and theories are mentioned below:

Semester – I

CO1: Mechanics

1. Application of newtons law of motion to solve various problems related to day-to-day life.

2 .Concept like zero work done, conservative forces , mass energy equivalence ($E= MC^2$).

3. Apply knowledge of linear motion, forces energy forces,circular motion to explain natural physical processes and related technological advances.

4. Effect of forces on various type of materials is described and physical properties like elasticity etc along with their relations.

5. Understand the dynamics of rotating objects i.e. rigid bodies, angular velocity, the moment Of inertia, parallel axis theorem, the inertia tensor, the motion of rigid bodies. Non-inertial Frames: pseudo forces, examples involving the centrifugal force and coriolis force.

6. Develop understanding of special theory of relativity and its applications to understand Length contraction, time dilation, and relativistic addition of velocities, conservation of Momentum and variation of mass, relativistic momentum, relativistic energy, and mass-Energy relation.

CO2: Electricity and Magnetism

1. Understand the basic concepts of electric and magnetic fields.

2. Understand the concept of conductors, dielectrics, inductance and capacitance.

3. Gain knowledge on the nature of magnetic materials. Understand the concept of static and time varying fields.

4. Ability to use Maxwell's equations in calculations featuring: both free and stationary Electromagnetic waves.

5. Gain knowledge on electromagnetic induction and its applications

6. Students will understand the dielectric phenomenon and effect of electric field on dielectric.

7. Students will learn magnetic material and its properties such as diamagnetic paramagnetic and ferromagnetism.

8. Study the concept of magnetic field, magnetic field for steady current using Biot's Savart law and Ampere Circuital law.

CO3: Physics Practical

1. A working knowledge of fundamental physics and basic mechanics principles.

2. Solve wave equation of a longitudinal vibration in bars free at one end and also fixed at Both the ends

3. Learn about simple pendulum, katar pendulum.

Semester -II

CO4:Waves and Vibrations

1. Understand the working of selected optical instrument like biprism, diffraction grating.

2. Apply basic knowledge of principles and theories about the behavior of light and physical environment to conduct experiments.

3. Recognized and uses a mathematical oscillator equations and wave equation and derive these equations for certain system.

4. Uses the principles of wave motion and superpositions to explain the physics of polarization , interference and diffraction.

5. Gain knowledge on applications of transverse and longitudinal waves.

CO5:Optics

1. Understand phenomenon based on light and related theories.

2. Understand working of optical fiber and their applications in communication

3. Understand the applications of diffraction and polarization.

4. Understand the applications of interference in design and working of interferometers

5. Understand the working of selected optical instrument like biprism, diffraction grating.

6. Gain knowledge on applications of polarization.

CO6: Physics Practical

1. Understand the operating principle of some important types of optical instruments.

2. Ability to calculate light level and ray paths in optical systems.

3. Understand, and choose, different models for light.

4. Understand optical components and systems.

5. how to find resolving power of telescope, microscope.

Semester -III

CO7:Statistical Physics and Thermodynamics -I

1. Ability to evaluate entropy changes in a wide range of processes and determine the Reversibility or irreversibility of a process from such calculations.

2. Understand the relation between microscopic and macroscopic description through Statistical mechanics; know and can apply the laws of thermodynamics and principles of Free energy; describe thermodynamic processes and heat engines and master the use of The chemical potential to describe diffusive equilibrium, phase equilibrium and chemical Processes.

3. Understand the basic statistical methods and concepts like probability, random variables, Expected value, variance, estimators and common probability distributions.

4. Understand the process of thermal conductivity, viscosity and diffusion in gases.

CO8: Optics

1. Student will gain hands on experience of using various optical instruments and making finer measurement of wavelength of light using Newton rings experiments , Frensnal biprism etc.

2. Students will gain knowledge about various lenses like convex lens of concave lens and also learn about the lens maker formula in optics.

3. Also understand the principle of superposition of waves and formation of standing waves.

4. Also learn about double refraction and mainly michelson's Interferometer.

5. Learn about the behavior of reflection of light , refraction of light and also various phenomenons.

CO9:Quantum Mechanics-I

1. Solve the Schroedinger equation for simple 1D time-independent potentials

2. Spot, identify and relate the eigenvalue problems for energy, momentum, angular Momentum and central potentials

3. Understand the origins of quantum mechanics

4. Understand the uncertainty relations

5. Understand the idea of wave function

CO10: Physics Practical

1. Understand optical components and systems.

2. Ability to calculate light level and ray paths in optical systems.

3. Understand the operating principle of some important types of optical instruments.

Semester-IV

CO11: Statistical Physics and Thermodynamics-II

1. Learn about basic aspects of Maxwell boltzmann distribution law, Fermi Bose distribution and also drive these equations.

2. The basic concepts of viscosity, thermal conductivity , diffusion and brownian motion.

3. Learn about the real gas equation, Vander waal equation of States and the Joule Thompson effect.

4. The students are expected to do some basic experimental in thermal physics like find stiffness constant coefficient of thermal conductivity.

5. learn about Joule Thomsan effect and liquefaction.

CO12:Lasers

1. Learn about basic aspects of gases like helium neon or carbon dioxide uses in various lasers.

2. Various Einstein relation using their mass energy equivalence.

3. Different type of monochromatic and chromatic observations and achromatic lenses.

4. Students should be learn how to find threshold energy.

5. Basics of Holography and its applications.

CO13:Quantum Mechaniccs -II

1. Revision of this course will enabled to get familiar with quantum mechanic formula.

2. After an exposition of inadequacies of classical mechanics in microscopic phenomenon , quantum theory formulations will be introduced through Schrödinger equation.

3. Study of influence of electric and magnetic field on atoms will help in understanding Stark effect and Zeeman effect respectively.

4. The course focuses to develop the basic knowledge in mechanics. The Basic knowledge and conception of mechanics is essential to Understand the higher level physics and engineering.

5 .learn about zeeman effect and lande g factor.

CO14: Physics Practical

1. Sessions on the review of experimental data analysis, sources of error and their estimation in Detail, writing of scientific laboratory reports including proper reporting of errors.

2. linearization of data and the use of slope and intercept to determine unknown quantities.

3. How to present their experimental data in a laboratory report.

Semester-V

CO15:Condensed Matter Physics-I

1. Understand complementary symmetry type push-pull amplifier.

2. .Understand phase-shift oscillator.

3. Able to Measurement of h-parameters

4 .UJT, JFET, MOSFET, Charge coupled Devices and Tunnel Diode.

5. Power Supply and the role of Capacitance and Inductance filters.

6. Active and passive filters and various types of filters.

7. Multivibrators using transistors, Phase locked loops, voltage-controlled oscillators.

CO16:Electronics-I

1. Understand the relationship between semiconductors devices and understand The applications of semiconductor devices

2. Understanding and ability to analyze the characteristics of transistor and Transistor biasing circuits.

3. Understand about analog passive and active components and how these can be Exploited to construct amplifiers, oscillators, regulators and filters.

4. Understand the properties of semi conductors.

CO17:Nuclear and Radiation Physics

1. Ability to apply fundamental conservation laws and symmetries to judge the viability of Production and decay processes for nuclei and elementary particles.

2. Ability to have insight into the interplay between theory, models, and data from modern Experiments and into how the major open questions are being addressed.

3. A basic understanding of nuclear properties and models that describe the quantum Structure, decay, and reactions of nuclei.

4. Understand basic knowledge about the Standard Model of elementary particles and Interactions

5. Understand the roles of nuclear and particle physics in energy production, medicine, and Astrophysics – for example how to search for dark matter and how to understand the origin Of the elements in the universe.

CO18: Physics Practical

1. learn about how to find characteristics of zenor diode.

2. To draw output characteristics of FET and find its parameters.

3. how to plot Common Emitter Characteristics of a Transistor.

4. Understand tunnel diode characteristics. (V-I).

Semester- VI

CO19:Condensed Matter Physics – II

1. Understanding the basic idea about superconductors and their classifications.

2. Basics of crystal structure and physics of lattice dynamics. The physics of different types of material like magnetic, dielectric, metals and their properties.

3. The physics of insulators, semiconductor and conductors with special emphasis on the Elementary band theory of semiconductors. The basic theory of superconductors. Type I and II superconductors, their properties and Physical concept of BCS theory.

4. Understand the various structure like diamond and sodium chloride.

5. Basics of crystal structure and physics of lattice dynamics. The physics of different types of material like magnetic, dielectric, metals and their properties.

CO20:Electronics – II

1. Learning of the construction and use of CRO, and other experimental apparatuses used in the Lab, including necessary precautions.

2. Basics of photolithography for IC fabrication, about masks and etching.

3. Skills to design various types of circuits

4. To design an Astable multivibrator of given specifications using transistor.

CO21:Nuclear and Particle Physics

1. Understand the ideas of basics of nucleus and their energy.

2. Understand the procedures for nuclear fission and fusion.

3Understand the properties of x-ray s verification**..**

4. Understand the roles of nuclear and particle physics in energy production, medicine, and Astrophysics – for example how to search for dark matter and how to understand the origin Of the elements in the universe.

CO22: Physics Practical

1. Review of experimental data analysis, sources of error and their estimationin details, writing of Scientific laboratory reports including proper reporting of errors

2. Practical experience of the characterizes of semiconductor devices like JFET, MOSFET and Different types of amplifiers, oscillator and modulator circuits.

Department of Geography

Desh Bhagat College Bardwal (Dhuri)

B.A. Geography

Course Outcomes

DEPARTMENT OF GEOGRAPHY

B.A. GEOGRAPHY

PROGRAMME OUTCOMES

Students gain knowledge about earth's interior. Develop an idea about concept of plate tectonics, and resultant landforms. Acquire knowledge about types of folds and faults and earthquakes, volcanoes and associated landforms.

1. Knowledge of Physical Geography: - Student will gain the knowledge of physical geography. Student will have a general understanding about the geomorphologic and geotechnical process and formation. They will be able to correlate the knowledge of physical geography with the human geography.

2. Ability of Problem Analysis: - Student will be able to analyses the problems of physical as well as cultural environments of both rural and urban areas. Moreover, they will try to find out the possible measures to solve those problems.

3. Conduct Social Survey Project: - They will be eligible for conducting social survey project which is needed for measuring the status of development of a particular group or section of the society.

4. Application of modern instruments: - Students will be able to learn the application of various modern instruments and by these they will be able to collect primary data.

5. Scientific and Critical Thinking – Development of knowledge, skills and holistic understanding of the discipline among students. Encouragement of scientific mode of thinking and scientific method of enquiry in students.

6. Understand Environmental Ethics and Sustainability: - Understand the impact of the acquired knowledge in societal and environmental contexts, and demonstrate the knowledge of need for sustainable development.

7. Life-long learning: - Identify the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of societal and environmental change.

The course provides a foundation for the understanding of fundamental concepts and current ideas in physical geography for the Geography degree programmes. The course begins by considering in broad terms the development of physical geography and the key concepts and phenomena of change and evolution, cycles, fluxes and events, the environment as resource and hazard, and the human impact on the environment. The remainder of the course explores these themes in more detail in the context of the atmosphere, the hydrosphere and lithosphere, and the biosphere. The course emphasizes the importance of spatial variation and interactions between human society and the biophysical environment.

COURSE OUTCOMES

Semester – I

Physical Geography

Co1. The students will be familiar with the earth’s interior.

Co2. Develop an idea about earth movements and the related topography.

Co3. Acquire knowledge about different types of rock and their origin .Influence of the rocks on land form and topography.

Co4. Getting familiar with the concept of hydrology.

Co5. Understanding the processes of erosion, deposition and resulting landforms. Physical

Geography (Geomorphology)

This course on the principles of geomorphology looks at the relationship between processes and landforms at a variety of scales in space and time. It examines endogenic processes originating within the earth, exogentic processes occurring at the earth atmosphere ocean interface and the way they interact to create landforms. The course covers geomorphological theories, weathering, slope processes, soil erosion, fluvial and glacial processes and landforms, applied geomorphology, mountain building, rates of landscape change, supercontinent breakup, ocean islands and mega floods. Martian geomorphology will also be discussed.

After completing this course, students should possess the following skills and knowledge:

1. A broad knowledge of the scope and main areas of Geomorphology
2. Ability to classify and describe landforms in a variety of environmental settings
3. Knowledge of systems theory as applied to geomorphology, specifically with regard to the concepts of feedback, thresholds, and equilibrium
4. Broad understanding of the theories of Uniformitarianism and Catastrophism, and appreciation and knowledge of the history of geomorphological research
5. Awareness of the significance of spatial and temporal scales in geomorphology
6. Ability to analyze geomorphological systems in terms of resisting and driving forces
7. Knowledge of surface processes important in the creation of landforms
8. Ability to quantitatively use and evaluate geomorphological data with numerical, statistical and cartographical methods
9. Ability to synthesize and communicate mainstream scientific findings by writing essays and by discussion in a small group tutorial format
10. Ability to analyze relationships between physical and human aspects of environments and landscapes
11. Ability to carry out routine lines of enquiry into geomorphological issues. Course : Practical

Geography : Cartography – I

Maps and Scale

Co1. Developing an idea about scales and how to draw different types of scales;
conversion of scales.

Co2. Forming a clear concept on map projections.

Co3. Topographical maps and its application in practical.

CO4. Getting familiar with underlying structures with the help of geological maps.

- Understand and prepare different kinds of maps.
- Recognize basic themes of map making.
- Development of observation skills.
- Development the skills of map making and its importance.
- Understand the relief features.
- To know how to draw counters map and relief features.
- Understanding the functions of metrological instruments.
- Students will come to know importance of maps.
- Students will have knowledge about relief features.
- Students will get awareness about meteorological instruments.

Semester – II

Course : Climatology And Oceanography

Climatology

Course objective and Learning outcome: This course aims to provide an overview of the climate system including its components like temperature, precipitation and wind; their interactions; and the processes that drive the general global as well as regional circulation. Students will learn the fundamentals of atmospheric dynamics, method of interpretation of weather symbols, and the contemporary climatic issues. They will also study the oscillations in the climate system such as: ENSO and Monsoon, the North Atlantic oscillation, the Arctic and Antarctic oscillation. Students will also be able to relate dynamics of climatic system with urban environment.

CO1. Learn the interaction between the atmosphere and the earth's surface.

CO2. Understand the importance of the atmospheric pressure and winds.

CO3. Understand how atmospheric moisture works

CO4. Students will learn the process of interaction between the atmosphere and the earth's surface.

CO5. They will be able to understand the importance of the ozone layer and bad effect of green-house gasses moreover will be eligible to apply this for the solution of environmental problem.

CO6. They understand how the planetary and periodic wind and pressure belt related to each other. Also they understand how to develop the tropical cyclones, El Nino and La Nina.

CO7. Students can explain the important role of water to create condensation and precipitation.

Oceanography

Course: Practical Geography (Cartography)

Practical on cartographic methods (surveying and map works)

Students can acquire knowledge of different method of surveying and map making by using proper tools and technique and can apply these knowledge in future research works.

CO1. Likewise the theory paper the outcome of this paper lies in the fact that the acquiring knowledge of map making which is a key purpose of cartography student can apply this map making process in practical base research work and they can further prepare more accurate and précised map by applying different quantitative method.

CO2. Another outcome of this paper is that students become able read and analyses different maps which may include topographic maps, atlas, wall map etc where they can identify different physical and cultural features.

Through this paper students are able to know about different map reading and map analysis techniques along with develops an idea about satellite imagery and can able to prepare weather maps of India for different season Enlargement and Reduction of Maps Enlarging and reducing are important techniques used in drawing and designing. They involve changing the size of a motif. Enlargement should be done to make the size of the motif bigger than the original size. Reduction should be done to reduce the design size.

CO1. To learn graphically about the enlargement and reduction of maps.

CO2. Learning about chain surveying and prismatic surveying.

CO3. Getting to know superficially about remote sensing and aerial photo interpretation with the help of pocket stereoscope.

CO4. Necessity of field report in practical geography; collection of data and how to prepare a report from the data collected.

Weather Maps

weather map, also known as synoptic weather chart, displays various meteorological features across a particular area at a particular point in time and has various symbols which all have specific meanings. Such maps have been in use since the mid-19th century and are used for research and weather forecasting purposes.

CO1. Students learn to use of various meteorological instruments and also learn to interpret of the Indian daily weather report.

CO2. That's help students to predict the weather report in future.

Semester – III

Course : Resource And Environment

Resource Geography

Define a Resource and understand its nature; Visualize the relevance of studying Resource Geography

CO1. Develop an idea about resource.

CO2. Understand the concept of different types of resources.

CO3. Acquire knowledge about different types of power resources.

CO4. Explain population - resource relationship and different types of population resource

CO5. Define a Resource and understand its nature; Visualize the relevance of studying Resource Geography.

CO6. Understand Resource Geography and its identity as a branch of Geography.

CO7. Understand the process involved in growth of resource geography.

CO8. Comprehend the existence of Resource Periphery

Environmental Geography

Environmental geography prepares students for careers in environmental planning, design, and restoration, as well as in environmental assessment and monitoring, resource management, natural areas preservation, and outdoor and environmental education.

CO1. Student will be able to analyse the problems of physical as well as cultural environments of both rural and urban areas. Moreover they will try to find out the possible measures to solve those problems.

CO2. Course they will be capable to develop their observation power through field experience and in future they will be able to identify the socio environmental problems of a locality.

CO3. Environmental science courses help students understand and explore the interconnected nature of services the environment provides, such as agricultural production, water purification, timber, climate regulation, and spiritual and leisure activities, among many others.

CO4. Environmental Geography which studies the nature of global environment, its spatio-temporal changes and tries to find out the probable solution of the environmental problem is called environmental geography.

Topographical Maps

Map reading in actuality denotes the formation of a visual picture of the ground depicted in a map. It is not always easy to grasp the general appearance of the land. In topographical maps with the

CO5. Environment provides the basic life support system like air, water, food and land. The man made things like car pollute the air, factories build on land, containers for food and water are the examples of modification of environment.

Course : Practical Geography (Cartography)

Symoblization of Geographical Data

CO1. Lessons on cartograms like pie graph, bar graph, and age-sex pyramid etc.

CO2. Lessons on meteorological instruments like maximum and minimum thermometer, rain gauge, dry and wet bulb thermometer.

Semester – IV

Course: Geography Of Punjab

CO1. Geographical factors influence agriculture, industry, trade, commerce and other aspects of economic development. Knowledge of Geography is essential for business, trade, commerce,

agriculture, industry, navigation, military operation, and spacecraft and even for balancing and administration.

CO2. Punjab has always been land of great saints and fighters. Tourist places - Punjab is the place of Sikhism . The holiest of Sikh shrines, the Sri Harmandir Sahib (or Golden Temple), is in the city of Amritsar . The five Takhts (Temporal Seats of religious authority) of Sikhism, three are in Punjab.

CO3. Punjabis are known to be very helpful, welcoming and proud people. They welcome everyone with open hearts (and of course a glass of Lassi and typical Punjabi food). They celebrate their festivals with great zeal and zest, with great food, music, dances and revelry.

Course : Practical Geography (Cartography)

Columnar Diagrams and Graphs

It is not possible for a student even in a lifetime to collect direct information from the field of all over the earth but with the help of topographical maps, one can easily manage to know different parts of the surface of the earth. So it is very essential for the student of geography to study the topographic maps.

Benefits for students

- Planning Development.
- Measuring Land Area.
- Making Irrigation Channels.
- Planning for Residential Development.
- Project Development Accuracy.
- Planning Sightseeing.
- Getting Ground Height Difference.
- Measuring Road Making.

CO1.They will learn how to prepare map based on GIS by using the modern geographical map making techniques.

CO2. Students studied of topography is important as it helps people of different fields to understand the condition of the land and take actions in a written way.

Plane Table Survey

Plane table survey is a graphical method of surveying in which the field works and the plotting is done simultaneously. It is particularly adopting small mapping. Plane table surveying is used for locating the field computation of the area of the field.

CO1. It is the most used and suitable method for surveying and preparing small scale maps. All possible human and machine errors can be eliminated as the surveying and plotting are done simultaneously in the field.

CO2. In plane table surveying, a plane table is used for taking the measurements and for plotting the plan in the field. A plane table consists of a drawing board mounted on a tripod. Plane table surveying is a method in which the field observations and plotting of the plan proceed simultaneously. Help of different symbols or signs, topographical forms are well expressed in a complex manner. It is not possible for a student even in a lifetime to collect direct information from the field of all over the earth but with the help of topographical maps, one can easily manage to know different parts of the surface of the earth. So it is very essential for the student of geography to study the topographic maps.

CO3.Students will be able to learn the application of various modern instruments and by these they will be able to collect primary data.

CO4. Surveys provide researchers with reliable, usable, primary data to inform business decisions. They are important because the data comes directly from the individuals you have identified in your goal. And surveys give you a detailed, systematic way to view and analyze your data.

Semester – V

Course : World Regional Geography – I

Students studied with respect to the natural, demographic and economic aspects as specified in this course like - North America, South America, Europe.

CO1. Define and explain the geographic concept of "region."

CO2. Locate significant geographic features of regions of the world and describe their cultural, economic, political, and physical characteristics.

CO3. Communicate complexity in understanding issues people and places around the world.

CO4. Develop empathy to understand people and places beyond the stereotypes associated with them.

CO5. Evaluate current events shaping places, people, and environments around the world.

CO6. Understand how a spatial approach that uses the nexus of society-nature-place allows us to see the complexity of both problems and solutions.

CO7. Identify how political, social, economic, climatologically, biophysical, hydrological (and more!) processes shape our planet, people, and environment.

CO8. Identify how political, economic, social and environmental forces influence different places across scales and how these forces create similarities and differences between places.

CO9. Engage with course concepts to help explain current events in different places.

CO10. Identify how our perception of places are influenced by various media forms and cultural histories, and using this knowledge and course concepts to create more informed global citizens.

CO11. Understand the depth of experience that people from and in places around the world by seeing the multiple processes that shoe their places.

Course : Practical Geography (Cartography)

Map Projections

Co1. Developing an idea about scales and how to draw different types of scales; conversion of scales.

Co2. Forming a clear concept on map projections.

Co3. Topographical maps and its application in practical.

CO4. Getting familiar with underlying structures with the help of geological maps.

Semester – VI

Course: World Regional Geography – II

Critically analyze current and historical cultural concepts effecting different regions of the world and the inter-relationships between these regions like Asia, Africa. The given regions will be studied with respect to the natural, demographic and economic aspects as specified in this course.

CO1. Assess current socio-economic, cultural and political issues resulting from the interactive and opposing forces of homogenization and diversification.

CO2. Examine geographic factors that have influenced the student's life on a global, national and local level.

Course: Practical Geography

Field Work (Practical and Survey)

Conduct Social Survey Project: They will be eligible for conducting social survey project which is needed for measuring the status of development of a particular group or section of the society. After the completion of the project they will be efficient in their communication skill as well as power of social interaction. Some of the students are being able to understand and write effective reports and design credentials, make effective demonstrations, and give and receive clear instructions.

CO1. They can able to select the appropriate technique for graphical presentation of a data to their field work.

CO2. Their knowledge about primary and secondary data collection helps them to prepare their survey report.

DESH BHAGAT COLLEGE BARDWAL DHURI

DEPARTMENT OF HISTORY

PROGRAMME OUTCOMES (POs), PROGRAMME SPECIFIC OUTCOMES (PSOs) AND COURSE OUTCOMES (COs)

Name of the Programme: B.A. History

1.1. Programme Outcomes (POs)

The students who complete three years of full-time study of an undergraduate programme of study in Anthropology will be awarded a Bachelor's Degree. Some of the desirable learning

outcomes which a student should be able to demonstrate on completion of Bachelor's Degree will include the following:

PO1. The Students acquire knowledge in the field of social sciences, literature and humanities which make them sensitive and sensible enough.

PO2. The B.A. graduates will be acquainted with the social, economic, historical, geographical, political, ideological and philosophical tradition and thinking.

PO3. The program also empowers the graduates to appear for various competitive examinations or choose the post graduate program of their choice.

PO4. The B.A. program enables the students to acquire knowledge with human values, framing the base to deal with various problems in life with courage and humanity.

PO5. The students will be ignited enough to think and act over for the solution of various issues prevailed in the human life to make this world better than ever.

PO6. Program provides the base to be responsible citizen.

1.2. Program Specific Outcomes (PSOs)

PSO1. Understand background of our religion, customs institutions, administration and so on.

PSO2. Understand the present existing social, political, religious and economic conditions of the people.

PSO3. Analyze relationship between the past and the present is lively presented in the history.

PSO4. Develop practical skills helpful in the study and understanding of historical events.

(a) Draw historical maps, charts, diagrams etc.

(b) Prepare historical models, tools etc.

PSO5. Develop interests in the study of history and activities relating to history. They:

(a) Collect ancient arts, old coins and other historical materials;

(b) Participate in historical drama and historical occasions;

(c) Visit places of historical interests, archaeological sites, museums and archives; (d) Read historical documents, maps, charts etc.

(e) Play active roles in activities of the historical organizations and associations; and

(f) Write articles on historical topics.

PSO6. The study of history helps to impart moral education.

PSO7. History installs the feeling of patriotism in the hearts of the pupils.

1.3. Course Outcomes (COs) relating to various courses offered in B.A. History

HISTORY OF ANCIENT INDIA (UPTO 1000 A.D).

CO1. Explain the Socio- economic, cultural and Political background of Ancient India.

CO2. Analyze and evaluate historical information from multiple sources of Ancient India.

CO3. Explain the heritage through cultural aspects of Ancient India.

CO4. Narrate the origin and establishment of Aryan in India.

CO5. Discuss the Vedic Culture and Heterodox Sects, The Mauryan Period, Gupta Age etc.

HISTORY OF MEDIEVAL INDIA (1000A.D. TO1707A.D.)

CO1. Explain the socio-political development under the Delhi Sultanate.

CO2. Discuss the conquest, reforms and administrative system under the Khilji and Tughlaq period.

CO3. Discuss the foundation and socio-political conditions of India under Mughal dynasty and their relations with Rajput, Deccan and Marathas.

CO4. Explain the rise of regional power in various parts of India.

CO5. Explain the socio-religious movements in South India.

HISTORY OF MODERN INDIA (1707-1966)

CO1. Describe the social, political and economic condition of India Pre-British rule.

CO2. Evaluate consolidation of English Power in India.

CO3. Analyze social and religious consciousness in India.

CO4. Compare the Nationalist movements of Pre-Gandhian and Post-Gandhian Era.

CO5. Identify Modern Indian Maps, sites of Mutiny of 1857, Princely States in 1858, major sites of National Congress sessions, major sites in Civil Disobedience Movement.

HISTORY OF PUNJAB (1469-1799)

CO1.Evaluate sources of History of Punjab.

CO2. Understanding of social, religious and economic condition of Punjab.

CO3.Understaning of foundation of Sikhism and its transformation.

CO4.To understand the role of Sikh Gurus for the development Sikh ideology.

WORLD HISTORY (1500-1956)

CO1. Describe the rise of modern world.

CO2. Classification and development of Democracy in World.

CO3. Witness the various revolutions in World.

CO4. Describe the rise of Nation States.

CO5. Examine important stages of Two World Wars.

SEM VI HISTORY OF PUNJAB (1799-1966)

CO1. Evaluate the sources of study of Ranjit Singh.

CO2. Understanding of Political condition of Punjab.

CO3. Analyse Administration of Ranjjt Singh.

CO4. Anglo Sikh Wars.

CO5. Annexation of Punjab.

Name of the Programme: M.A. HISTORY

2.1 Course specific Outcomes

1After passing B.A. pass course, students can pursue Masters in History.

2. Knowledge of History is very helpful for the preparation of civil services.

3. History is one of elective subject for B.ED.

2.2 PSO of M.A. History

1. Understand background of our religion, customs institutions, administration and so on.
2. Understand the present existing social, political, religious and economic conditions of the people.
3. Analyze relationship between the past and the present is lively presented in the history.
4. Develop practical skills helpful in the study and understanding of historical events.
5. They draw historical maps, charts, diagrams etc. Prepare historical models, tools etc.
6. Develop interests in the study of history and activities relating to history. They collect ancient arts, old coins and other historical materials participate in historical drama and historical occasions visit places of historical interests, archaeological sites, museums and archives read historical documents, maps, charts etc.
7. The study of history helps to impart moral education.
8. History installs the feeling of patriotism in the hearts of the pupils.

2.3 Outcomes (COs) relating to various courses offered in M.A. History

MA-I

Paper-I

HISTORY OF PUNJAB (1469-1799)

CO1.Evaluate sources of History of Punjab.
CO2. Understanding of social, religious and economic condition of Punjab.
CO3. Understaning of foundation of Sikhism and its transformation.
CO4. To understand the role of Sikh Gurus for the development Sikh ideology.

Paper-II

WORLD HISTORY (1500-1956) I

CO1. Describe the rise of modern world.

CO2. Classification and development of Democracy in World.
CO3. Witness the various revolutions in World.
CO4. Describe the rise of Nation States.
CO5. Examine important stages of Two World Wars.

Paper-III
HISTORY OF THE WORLD-II

CO1. Describe rise of modern world
Co2. Classify growth of capitalism
CO3. Classification development of Democracy
CO4. Acquire knowledge about 20th century world
CO5. Identify world maps- Oceanic Explorations, Europe in 1815, important stages of World War, and Important centres of International trade

Paper-IV
HISTORY: ITS THEORY & RESEARCH METHODOLOGY
CO1.Write articles on historical topics, Writing History and Techniques of historical writing
CO2.Developed their ability to assess critically historical analysis and argument, past and present
CO3.Gained an understanding of the development of the academic study of history throughout the world since the later eighteenth century (since the Renaissance for the Venice stream)
CO4.Gained an awareness of recent and contemporary debates in the theory and practice of historical writing

M.A. II
Paper I
HISTORY OF PUNJAB (1799-1966)
CO1. Evaluate the sources of study of Ranjit Singh.
CO2. Understanding of Political condition of Punjab.
CO3. Analyse Administration of Rnajit Singh
CO4. Anglo Sikh Wars
CO5. Annexation of Punjab

GROUP-II Medieval India
Paper II
DELHI SULTANATE
CO1. Evaluate Sources of Medieval Indian History.
CO2. Understanding of Political and Social condition of India around 1000A.D.
CO3. Provides information about the various Sultans of Delhi Sultanate.
CO3. Critically analyse administration of Delhi Sultanate under various Sultans.
CO4. Understanding of Bahamani Kingdom and Vijaynagar Empire.

Paper III
HISTORY OF MUGHALS
CO1. Critically analyse sources of Mughal Period.
CO2. Understanding of socio economic condition of India on the eve of Babur's Invasions.

CO3. Provides information about the various Sultans of Delhi Sultanate.
CO4. Critically analyse the administration of Great Mughals

Paper IV
STUDY OF INSTITUTION: SOCIO, CULTURAL AND ECONOMIC
CO1. Provides information regarding the social structure of Muslim Society as well as Hindu Society.
CO2. Understanding of the religious policy of Sultans of Delhi.
CO3. Provides information of Bhakti Movement.

Department of Psychology

Program Outcomes of Psychology

Programme Specific Objective:-

To provide students with an extraordinary education that is value-based and up to par with international standards so that they can be professionally trained and eventually pursue careers in psychology and related professions**.** The emphasis of the undergraduate psychology programme is on the excellence that develops among students leading to analytical skills, interdisciplinary collaboration, and contribution to the wide-ranging humanistic services to focus on preventive and curative approaches to stimulate positive mental health in society. Facilitating the development of specialized labor educated to provide services in educational institutions, corporations, basic healthcare settings, etc. In

Bachelor of Arts (Psychology) subject, degree equips the students with knowledge in General Psychology, Experimental and Psychopathology.

Program Specific Outcomes of Psychology: -

•**PSO** 1 -The Social Outreach Programme helps psychology students gain an understanding of inclusive education and its advantages while also helping them to become more sensitive, sympathetic, and empathic towards others, learn how to work in a team and develop leadership skills, accept and respect individual differences and work with responsibility and commitment.

• **PSO 2**-To help them understand how to apply statistics and research approaches, instructors urge their students to do brief empirical and archival studies. They receive training on how to deliver papers at national conferences and how to have their research papers accepted by reputable publications.

PSO 3-Through many seminars and workshops offered by the department, students get in-depth information in a variety of psychology-related topics, including self-love, social networking, and other therapeutic modalities. It aids psychology students in comprehending the real-world consequences, applications, and generalisations of the various topics covered in the discipline. Additionally, they learn about global research advancements that are happening. Additionally, they learn how to complete numerous obligations (academic, co- curricular and extracurricular) within constrained time periods while maintaining a high standard of work output.

• **PSO 4**-Students can contribute articles to departmental publications about empirical research, societal issues, and character, movie, and book reviews. It provides a platform for students to go beyond the pages of books, connect what they learn in the classroom with real-world applications, engage in self-directed learning, and develop their critical thinking,

Problem-solving, and reasoning skills while also gaining new insights on various aspects of psychology.

Course Outcomes of Psychology:-

SEMESTER-1

Course code	Course name	C S	Th.P	Pr.P
PSYBA1	General Psychology	1	6	2

CS (Class Section), Th. P (Theory period), Pr. P (Practical Period) .

COURSE OUTCOME:-After the completion of this course students will be able

1. To introduce and initiate the student into the world of Psychology with a brief historical sketch of the science of psychology and a glimpse into the methods used in the study of human behavior.
2. Develop a working knowledge of Psychological contents, areas and applications of psychology.
3. Comprehend and analyze situations in real life appropriately and enable others to exercise in the same way.
4. Develop critical thinking skills and distinguish between concepts studied in different courses.
5. Appreciate and apply various theories of learning in the practical world.
6. Knowledge of the fundamental physiological functional mechanism behind the Nervous system in the human body.
7. It also correlates to the understanding of historical context of different studies and researches.

SEMESTER-11

Course Code	Course Name	C S	Th.P	Pr.P
PSYBA1	General Psychology	1	6	2

CS (Class Section), Th. P (Theory period), Pr. P (Practical Period) .

COURSE OUTCOME:-At the end of this course students will be able;

1. Understand how psychological theories and principles relate to everyday life and apply knowledge of Behaviour modification and life skill training to solve everyday problems.
2. Students are exposed to the elementary scientific research methods, techniques, counselling skills, ethics and evaluating skills of Psychology in educational settings.
3. Apply psychological principles to understand personal as well as social issues and problems.
4. Apply the principles of psychology in day-to-day life for a better understanding of themselves and others.

SEMESTER-111

Course Code	Course Name	C S	Th.P	Pr.P
PSYBA2	Experimental Psychology	1	6	2

CS (Class Section), Th. P (Theory period), Pr. P (Practical Period) .

COURSE OUTCOME:- At the end of this course students will be able;

1. Learn, review, understand and to apply of the concepts of psychology through the medium of the experiments

2. Develop the skills of conducting and documenting experiments in the field of psychology.
3. Knowledge about the experiments that lead towards the development of the field of psychology and explanation of the contributions of various thinkers in the field.
4. Conduct experiments and administer psychological scales to a subject

SEMESTER-1V

Course Code	Course Name	C S	Th.P	Pr.P
PSYBA2	Experimental Psychology	1	6	2

CS (Class Section), Th. P (Theory period), Pr. P (Practical Period) .

COURSE OUTCOME:- After the completion of this course students will be able;

1. Experimental psychology is concerned with testing theories of human thoughts, feelings, actions, and beyond – any aspect of being human that involves the mind.
2. Why do people do the things they do? What factors influence how personality develops? And how do our behaviors and experiences shape our character?These are just a few of the questions that psychologists explore, and experimental methods allow researchers to create and empirically test hypotheses. By studying such questions, researchers can also develop theories that enable them to describe, explain, predict, and even change human behaviors.
3. On the level of the experiment itself, two curious observations must be taken into account. First, and in contrast to the natural sciences where the investigator is human and the subject matter (mostly) non-human and usually inanimate, in psychology both

the investigator and the subject matter are human. This means that the subjects of the experiment, being autonomous persons, are not malleable or completely controllable by the investigator because they bring their own background, history, worldview, expectations, and motivations.

SEMESTER-V

Course Code	Course Name	C S	Th.P	Pr.P
PSYBA3	Psychopathology	1	6	2

C S (Class Section), Th. P (Theory period), Pr. P (Practical Period) .

COURSE OUTCOME:- After the completion of this course students will be able;

1. To have knowledge of different aspects of abnormal behaviour.
2. To know the historical development of the study of abnormal behaviour, criteria and perspectives in abnormal behaviour, common classification systems, and range of disorders including anxiety disorders, mood disorders, schizophrenia, disorders generally observed at childhood and adolescence, and personality disorders.
3. Understand various behavioural dysfunctions and use the same in day-to-day life.
4. Describe and apply different models and major theories of psychopathology.
5. Think critically about issues and changes in psychiatric classification (e.g., DSM-5).
6. Describe the symptoms and aetiology associated with psychological disorders and apply this knowledge to case examples.

SEMESTER-VI

Course Code	Course Name	C S	Th.P	Pr.P
PSYBA3	Psychopathology	1	6	2

CS (Class Section), Th. P (Theory period), Pr. P (Practical Period) .

COURSE OUTCOME:-After the completion of this course students will be able;

1. Understand the problems in defining and measuring 'abnormality' and explain different models of abnormality.
2. Describe and evaluate the criteria used in the classification and diagnosis of personality disorders, mental illness and developmental disorders.
3. Critically evaluate approaches to the treatment of psychological health problems.
4. Understand the ethical and social issues surrounding a diagnosis of abnormality The intended generic learning outcomes.
5. Specific focus is given to clinical descriptions, individual differences, and biological, psychological, social and contextual influences. Prevention and treatment of different psychological disorders will be discussed,but are not a major focus of the course.

Department Of Hindi

Programme Outcomes

PO: 1 Relation between stories and society: The student gained knowledge about the relation between the socio cultural condition of a society and the short stories through discussions on 'Hindi Kahani Ki Vikas Yatra', where the history of development of Hindi short stories was discussed in relation with the socio cultural impact registered in Hindi stories in different period

PO:2 Concept of various forms of prose : Students gained knowledge about the various forms of prose like 'Rekhachitra, Nibandh, Sanssmaran, Vyangya, Bhashan, Natak, Upanyas from the guest lecture organised on 'Hindi Ki Vividh Gadya Vidhayen'.

PO:3 The skills to analyze the concept and different theories of Hindi literature and language are Imbibed in the students

PO:4 The students are prepared for pursuing research or careers in Hindi language and literature and it's allied fields.

PO:5 Improvement in communication skills through writing and debating.

PO:6 The students are made job ready and enhancement in employability by studying the course work.

Hindi Department

Course Outcome BA-1(Sem-1)
Hindi Sahitya(Option-1)

CO 1 : Understanding the origin of Hindi literature.

CO 2 : Understanding the concept of history of literature.

CO 3 : Understanding the basic of classification of Hindi literature.

CO 4: Understanding the importance and basis of the names given to each period Hindi Literature.

CO5 : Understanding the features of Adikal in context of socio- cultural and political conditions of that period.

CO6 : Understanding the vision Sh. Bhagwaticharan Verma about a common man's struggle in The novel "Thakke Pavm."

CO7: Understanding the basics of Hindi Grammar(Sangya, Sarvnam, Kirya, Visheshan etc.

CO8 : Understanding the poetry of modern Hindi poets like Sh. Prasad, Nirala, Pant, Agay etc.

Course Outcome BA-1(Sem-2)
Hindi Sahitya(Option-1)

CO1 : Understanding the features of Bhaktiikal in context of socio- cultural and political Conditions of that period.

CO 2 : Identifying the eminent Hindi writers like Kabir, Jaysi, Tulsi, Surdas, Mira etc. Bhaktikal.

CO 3: Understanding the literary tends of Bhaktikal.

CO 4 : Describing the progressive nature of Saint Kabir and his writings.

CO 5: Describing the Krishan Leela, poetry of Surdas by relating it with his philosophy of his life.

CO 6: Describing the Ramabhakti poetry of Tulsidas along with the philosophy of bhakti cult.

Course Outcome BA-2(Sem-3)
Hindi Sahitya(Option-1)

CO1 : Understanding the features of Reetiikal in context of socio- cultural and political Conditions of that period.

CO 2 : Identifying the eminent Hindi writers of Reetikal.

CO 3: Describing the content and the skill of writings of poet Bihari in context of the socio-Cultural conditions of his period.

CO 4 : Understanding the status of Hindi as official language.

CO 5: Understanding the philosophy of Prasad through his stories

CO 6: Understanding the poetry of Reetikaleen poets.

Course Outcome BA-2(Sem-4)
Hindi Sahitya(Option-1)

CO1 : Understanding the features of Adhunik Kaal in context of socio- cultural and political Conditions of that period.

CO 2 : Understanding the reason of emergence of Adhunik Kaal in Hindi literature.

CO 3: Understanding the literary trends of Adhunik Kaal.

CO 4 : Describing the philosophy of life as well as poems of Chayawadi writers like Prasad, Nirala, Mahadevi.

CO 5: Understanding the different “Alankars” in Hindi grammar

CO 6: Understanding the poetry of Reetikaleen poets.

CO 7: Understanding the travails of a middle aged educated single woman.

Course Outcome BA-3(Sem-5)
Hindi Sahitya Aur Kavyashastra(Option-1)

CO1 : Understanding the rich literary art of Bhartiya Kavyashastra.

CO 2 : To understand the contribution of Bhartiya Kavyashastra in modern Hindi literature.

CO 3: Understanding the Sanskrit Kavyashastra.

CO 4 : Understanding the different "Chands" in Hindi grammar
CO 5: Describing the progressive nature of Saint Kabir and his writings.

CO 6: Understanding the Krishna bhakti of poet Raskhan.

CO 7: Understanding the mindset of common Indian through literary works of different Indian Hindi writers.

Course Outcome BA-3(Sem-6)
Hindi Sahitya(Option-1)

CO1 : Understanding the drama "Dhruvswamini" written by Prasad in context of struggle for Independence of women in patriarchal society.

CO 2 : To understand the contribution of various characters in poetess Mahadevi Verma"s life. .

CO 3: Understanding the emerging literary trends of "Adhunik Kal."

CO 4 : Understanding the history of development of Hindi dram, short stories, essays, Biographies and auto biographies.

CO 5: Understanding the rich literary art of Bhartiya Kavyashastra.

CO 6: To understand the contribution of Bhartiya Kavyashastra in modern Hindi literature.

DESH BHAGAT COLLEGE BARDWAL-DHURI

(Affiliated to Punjabi University, Patiala, approved by NCTE, Accredited by NAAC "B" Grade)

Political Science Department

Course Outcome (BA I, BA II, BA III, and BABed Integrated Part I, and Part II)

B.A. is an integrated course comprising three parts (six semesters) spread over three years. Each part will consist of two semesters. The course of study of B.A. shall be divided into six semesters and university examination will be held at the end of every semester in the months of November/December (for Semester I, III & V) and May/June (for semester II, IV & VI) or as fixed by the Vice Chancellor.

Political Science is elective paper for B.A. Pass course as per Punjabi University guidelines. Students can choose Political Science with other two subjects of their choice in part one as per university guideline a candidate for B.A. +3 Scheme shall be required to take up the following subjects from B.A. I (Semester- 1) consistently in B.A. II and B.A. III.

BA Bed is a four years integrated course comprising four parts (eight semesters) spread over four years. Each part will consist of two semesters. The course of study of BABed shall be divided into eight semesters. The students of BA Bed can choose political as elective subject as per the university guidelines.

The outlines of tests and syllabi shall be such as prescribed by the Punjabi University Academic Council from time to time.

Political Science students have the advantage of learning and knowing about government policies, law and constitution. In short, Political Science students learn how to become as responsible and active citizens, to make positive changes in our society.

Course Outcome

Class & Semester	Name of Course	Outcome
BA and BABed Semester 1	Paper I: Political Science	Provides basic Introduction of Political Science.
BA and BABed Semester II	Paper II: Political Science	This paper introduces new concepts in Politics
BA and BABed semester III	Indian Polity	The discipline provides basic knowledge of Indian constitution.
BA and BABed Semester VI	Indian Political System	This paper introduce Socio-Political context of Indian Politics.
BA Semester V	Comparative Political System (UK & USA)	The paper provides theories and practices to compare political system of states.

BA Semester VI	International Politics: Theory and Practice	International Politics is an important branch of Political Science. the Paper provides explanation of relations among the sovereign states.

Course Specific Outcomes

Students Political Science can also lead to many other exciting careers as.

1. After passing B.A. pass course, students can pursue masters in Political science
2. Knowledge of political science is very helpful for the preparation of civil services.
3. Political science is one of elective subject for B.ED.
4. Knowledge of Politics in specific is helpful to become political consultant.
5. Students can choose carrier in journalism.
6. They can become content writer and blogger.

PROGRAMME OUTCOMES:-

NAME OF THE PROGRAMME	PROGRAMME OUTCOME
B.A SOCIOLOGY	The primary aim of sociology is to provide students depth knowledge and analytic skills necessary to understand social life in modern and complex world. Students explore aspects of social relationships, processes and structures; as a result, they develop a greater understanding of human societies and the role of continuity and change in social life. Students are encouraged to evaluate critically a variety of different social, economic and political structures, thereby learning more about the sociological method, and developing an ability to assess different forms of information and evidence. By relating the syllabus to the local context, professors can help learners apply their developing sociological knowledge and understanding to the analysis of their own lives and their participation in society.

COURSE OUTCOMES:-

NAME OF THE PROGRAMME	NAME OF THE COURSE	COURSE OUTCOMES
B.A SOCIOLOGY	CO 1: FUNDAMENTALS OF SOCIOLOGY - I	Upon successful completion students will be able to: 1. Understand the nature of sociology. 2. Get depth knowledge about basic concepts of society i.e. Social Structure, Society, Social Organization, Community, Association, Norms, Values, Status and Role. 3. Understand how the process of socialization happens in society and get the knowledge about cultural aspects.
B.A SOCIOLOGY	CO 2: FUNDAMENTALS OF SOCIOLOGY -II	Upon successful completion students will be able to: 1. Understand how the social processes work in social life. 2. Get the detailed knowledge about social groups, in which they participate whole life. 3. Get the broader look how the great institution likes marriage, family, kinship and religion influence and mould individuals. 4 Explain how social control and social deviance happens in society.
B.A SOCIOLOGY	CO 3: SOCIAL STRUCTURE OF INDIAN SOCIETY	Upon successful completion students will be able to: 1. Have a deeper insight about social stratification and social differentiation.

		2. Know how the types of social stratification i.e. class and caste exists in India. 3. Understand changing pattern of marriage and family in India. They also can identity gender discrimination and changing sex ratio existing in India 4. Develop understanding regarding societal organization in India i.e. tribal, rural and urban.
B.A SOCIOLOGY	CO 4: SOCIAL CHANGE IN INDIA	Upon successful completion students will be able to: 1. Develop understanding about social change its types (Evolution, Progress, Develop and Revolution), factors (Demographic and Economic, Technological and Cultural) and processes (Sanskritization, Westernization, Secularization,Urbanization,Modernization and Globalization). 2. Explain Planned Social Change in India through Community Development, Panchayati Raj Institution, MGNREGA and Swarn Jyanti Gram Sway Rojgar Yojna.
B.A SOCIOLOGY	CO 5: SOCIAL THOUGHT	Upon successful completion students will be able to: 1. Demonstrate an understanding of, and the ability to use, several of the major perspectives in social theory given by August Comte, Herbert Spencer, Karl Marx, Max Weber, Emile Durkheim and Mahatma Gandhi.
B.A SOCIOLOGY	CO 6: SOCIAL SCIENCE RESEARCH METHODS	non success completion students wailne able to 1. Demonstrate an understanding of several of the major processes in social science research methodology. It includes social research, scientific methods, hypothesis, techniques of data collection, sampling. Analysis of data, statistics and measures of central tendency.

Programe Outcomes Economics :

- The Undergraduate Economics Program provides students with a rigorous foundation in economic theory and its applications.
- Understand the issues of environmental contexts and sustainable development.

Program specific outcomes :

MICRO ECONOMICS:

Students will able to understand

- The subject matter of economics-decision making, principles of economic interactions - trade off, opportunity cost etc.
- Working of the market: demand and supply, market , elasticity, forms of the markets, market sensitivity and elasticity concepts.
- Utility approach: from Cardinal to Ordinal approach, Utility theory of Demand and Indifference curve analysis and all the applications, the PCC and the ICC and Price Effect.

MACRO ECONOMICS:

Students will able to understand

- Methods of National income accounting. Theories of aggregate income and employment.
- Theories of consumption function and investment spending Rate of interest- Classical, Keynesian and IS-LM Model Basics of international trade -open economy and closed economy, balance of payments, etc.

INDIAN ECONOMY:

Students will able to understand

- India's demographic issues, education and health, government measuresthe RTE Act.
- Economic Reforms in India – extensive analysis of reforms in banking sector, tax policy, external sector labour market etc.

ECONOMIC OF GROWTH AND DEVELOPMENT:

Students will able to understand

- The concept and indicators of development
- Theories and Strategies of economics development.
- Theories of planning in developing countries.

INTERNATIONAL ECONOMICS:

Students will able to understand

- Trade policies ,working of international monetary system & institutions.
- Globalization , financial crises, foreign exchange rates etc.

PUBLIC FINANCE:

Students will able to understand

- Main concepts in public finance,government taxes: direct and indirect taxes and familiarise with main issues in govt. expenditure.
- The basic fiscal functions of an economy and the different aspects of public debt & public revenue.

BASIC QUANTITATIVE METHODS:

Students will able to understand

- Application of matrix operations in solving economic problems .
- Application of mathematical tools for optimisation and taking economic decisions.