AMAR SHAHEED BABA AJIT SINGH JUJHAR SINGH MEMORIAL COLLEGE, BELA, ROPAR, PUNJAB.

DESCRIPTION OF COURSE OUTCOMES

NAME OF THE DEPARTMENT : **DEPARTMENT OF COMPUTER SCIENCE**

NAME OF THE PROGRAM : **PGDCA (1st SEM)**

NAME OF THE COURSE : **FUNDAMENTAL OF INFORMATION TECHNOLOGY (PGDCA-101)**

NAME OF FACULTY : **HARPREET KAUR (ASST. PROF.)**

CO No.	Description of Course Outcomes	Method/s of Assessment
CO 1	Draw computer block diagram, Describe characteristics, generations and types of computer and computer components	Quizzes/Objective Test/Assignments/Exams
CO 2	Demonstrate Input and Outputs devices with diagram .Explain software and differentiate system software and application system.	Assignments/Rapid Fire Questions
CO 3	Defining Memory and various types of memory and differentiate its types	Class Tests/Exams/Home Assignments
CO 4	Illustrate the basics of computer languages.	Class Tests/Exams/Home Assignments
CO 5	Identify various types of number system in the computer system and practices converting from one number system to another.	Group Discussing/ Problem solving/Quizzes
CO 6	Write the definition and character of data communication and the internet, multimedia.	Viva/Oral Exam/Class Tests

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DESCRIPTION OF COURSE OUTCOMES

NAME OF THE DEPARTMENT : DEPARTMENT OF COMPUTER SCIENCE

NAME OF THE PROGRAM : PGDCA (1st SEM)

NAME OF THE COURSE : OPERATING SYSTEM (PGDCA-102)

NAME OF FACULTY : IQBAL SINGH (ASST. PROF.)

CO No.	Description of Course Outcomes	Method/s of Assessment
CO 1	Discuss the operating system, types and functions of the operating system.	Objective Test/Assignments/ Exams/Class Tests
CO 2	Practise various CPU scheduling algorithms.	Problem Solving/ Class Test/Group Discussion
CO 3	Identify the Deadlock condition in the operating system, Explain various deadlock preventions techniques.	Problem Solving/ Class Test/Group Discussion
CO 4	Define the Windows operating system and its components.	Lab work/Home Assignments
CO 5	Define the Linux operating system and its components.	Lab work/Home Assignments
CO 6	Perform various commands of the Linux operating system.	Viva/Oral Exam/Class Tests

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DESCRIPTION OF COURSE OUTCOMES

NAME OF THE DEPARTMENT : DEPARTMENT OF COMPUTER SCIENCE

NAME OF THE PROGRAM : PGDCA (1st SEM)

NAME OF THE COURSE : PROBLEM SOLVING USING C (PGDCA-103)

NAME OF FACULTY : MANPREETKAUR (ASST. PROF.)

CO No.	Description of Course Outcomes	Method/s of Assessment
CO 1	Recognize the flowchart and design an algorithm for a given problem and to develop IC programs using operators.	Discussion Method
CO 2	Describe conditional and iterative statements to write C programs	Class Test, PPT, Lab
CO 3	Demonstrate user-defined functions to solve real-time problems	Assignment, Lab, MST
CO 4	Differentiate programs involving decision control statements, loop control statements, and case-control structures	Assignment, Discussion Method,
CO 5	Write a program to enter data to the file, declaring and usage of pointer operations are being covered.	Lab Work, Class test
CO 6	Compare the difference between the Designing, Writing, and Compilation and Debugging programs in C Language.	MST, Lab Work

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DESCRIPTION OF COURSE OUTCOMES

NAME OF THE DEPARTMENT : DEPARTMENT OF COMPUTER SCIENCE

NAME OF THE PROGRAM : PGDCA (2nd SEM)

NAME OF THE COURSE : DBMS (PGDCA- 201)

NAME OF FACULTY : HARPREET KAUR (ASST. PROF.)

CO No.	Description of Course Outcomes	Method/s of Assessment
CO 1	Define Database, characteristics, file processing system, use of the database, DBA and its responsibilities.	Discussion Method, Class Test
CO 2	Identify DDL, DCL. DML, different Keys and its uses in the database.	Discussion Method, Class Test, Lab Work
CO 3	Demonstrate the concept of ER Diagrams, weak entity sets, strong entity sets, aggregation, generalization, converting ER to tables.	Class Test, MST
CO 4	Categorize the different relational algebra operations.	Class Test, Assignment
CO 5	Develop basic SQL Query, Creating Table and Views.	Assignment, MST, Lab Work
CO 6	Evaluate the database integrity using different SQL Queries.	MST, Lab Work

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DESCRIPTION OF COURSE OUTCOMES

NAME OF THE DEPARTMENT : DEPARTMENT OF COMPUTER SCIENCE

NAME OF THE PROGRAM : PGDCA (2nd SEM)

NAME OF THE COURSE : COMPUTER NETWORK, INTERNET AND E-COMMERCE(PGDCA- 202)

NAME OF FACULTY : MANDEEP SINGH (ASST. PROF.)

CO No.	Description of Course Outcomes	Method/s of Assessment
CO 1	Explain the Basic elements in networking, network topology, different types of network, Networks connecting devices	Quizzes/Objective Test/Assignments/Exams
CO 2	Describe the function of each layer of the OSI model and TCP/IP model	Quizzes/Objective Test/Home Assignments/Class Test
CO 3	Classify the routing protocol and analyze how to assign the IP addresses for the given networks.	Lab work/Home Assignments/Problem Solving
CO 4	Define and differentiate various types of e-commerce.	Rapid Fire question/Class Test
CO 5	Explain payment System for e-commerce.	Group discussion/Tests/Quizzes/ Rapid fire question
CO 6	Define Idea of SMS, Email and Payment Gateway Integration.	Assignments/Class Test/Exams

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DESCRIPTION OF COURSE OUTCOMES

NAME OF THE DEPARTMENT : DEPARTMENT OF COMPUTER SCIENCE

NAME OF THE PROGRAM : PGDCA (2nd SEM)

NAME OF THE COURSE : OOP USING C++ (PGDCA-203)

NAME OF FACULTY : MANPREET KAUR (ASST. PROF.)

CO No.	Description of Course Outcomes	Method/s of Assessment
CO 1	Define the procedural and object-oriented paradigm with concepts of streams, classes, functions, data, and objects.	Discussion Method, Class Test, Lab
CO 2	Recognize dynamic memory management techniques using pointers, constructors, destructors, etc.	Discussion Method, Class Test
CO 3	Demonstrate the use of various OOPs concepts with the help of programs.	Class Test, MST
CO 4	Categorize inheritance with the understanding of early and late binding, usage of exception handling, generic programming.	Class Assignment, Home Assignment
CO 5	Develop the programs to applythe concept of function overloading, operator overloading, virtual functions and polymorphism.	Assignment, MST
CO 6	Compare the concepts of C and C++.	MST, Lab Work, MST

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