S. S. Jain Subodh P.G. (Autonomous) College, Jaipur
B.C.A. - II Semester, Session: 2023-24
Subject: Object Oriented Programming through C++

Paper Code: - PBCA201
Assignment

Note- Attempt any TWO questions from any Unit.

UNIT-I

1) Write the characteristics of Object Oriented Programming Language.

2) Write a short note on: (I) Data types in C++ (II) Reference Variable

UNIT-II

3) What is constructor? Explain its types with syntaxes.

4) Write on "Static member of class" with example.

UNIT-III

5) Describe various types of Inheritance with diagrams.

6) What do you mean by Virtual function? Explain with example.

UNIT-IV

7) Write short note on : (I) Function Template (II) Opening and closing of File

8) Explain exception handling with example.

*** END***

S. S. Jain Subodh PG (Autonomous) College, Jaipur
BCA II Semester, 2024
Subject:- Internet & Web Technologies
Paper Title:- PBCA202
Assignment

Attempt any two questions.

Unit I

1. Write Short notes on-
    a. Domain Name and Registration
    b. Video Conferencing and E-mail
    c. Internet Server Identities
2. What do you mean by HTML Links? Explain Link providing on image.

Unit II

1. What do you mean by CSS? Explain all its method with examples.
2. Write Short notes on-
    a. XML
    b. SGML
    c. Difference between XML and HTML

Unit III

1. A. Explain JavaScript with advantages.

    B. Data Types in JavaScript.

2. What do you understand by JavaScript String? Explain any 5 functions of String.

Unit IV

1. Explain Data Validation in JavaScript with an example.
2. Explain any 3 objects of DOM, with an example.

S. S. Jain Subodh P.G. (Autonomous) College

BCA Sem.-II

PBCA203: Desktop Publishing (DTP)
Assignment

Unit I
1. Explain user Interface of Page Maker. Explain with diagram.
2. Explain character specification and Paragraph specifications.

Unit II
3. What do you mean by Edit story? Explain steps and draw diagram.
4. How we use Polygon in PageMaker? Write different polygon settings.

Unit III
5. Explain different types of Retouching tool and Magic wand tool with example.
6. Explain different tools available in tool Box in Photoshop.

Unit IV
7. Differentiate between Raster and Vector image.
8. How we create a visiting card in Corel Draw? Explain steps with diagram.

S.S JAIN SUBODH P.G.(AUTONOMOUS) COLLEGE JAIPUR

B.C.A. II SEMESTER SESSION 2023-24
ASSIGNMENT
SUBJECT:- Discrete Mathematics

Attempt any two questions.

Question: 1

(a) Prove that $A \oplus (A \cap B) = A - B$

(b) Define multiset and union and intersection of two multisets.

Question: 2

(a) How many integers are there between I and 1000 which are not divisible by 2, 3 and 5?

(b) Show that two equivalence classes are either identical or disjoint. .'

Question: 3

(a) Show that the compound statement $(p \vee q) \wedge (p \downarrow q)$ is a contradiction.

(b) By using truth table, Show that $(p \wedge q) \wedge r \Leftrightarrow p \wedge (q \wedge r)$
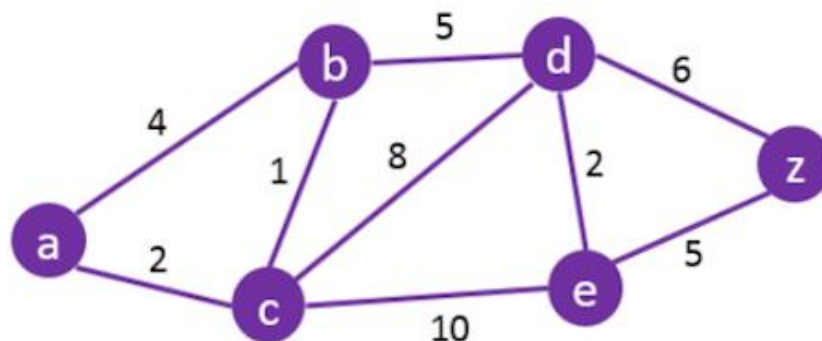
Question: 4

(a) Find the validity of the following statement

Either Mohan is criminal or Sohan is speaking truth. Sohan is not speaking truth, therefore Mohan is criminal.

(b) Show that $p \Leftrightarrow q \ and \ (p \wedge q \vee (\sim p \wedge \sim q)$ are logically equivalent.
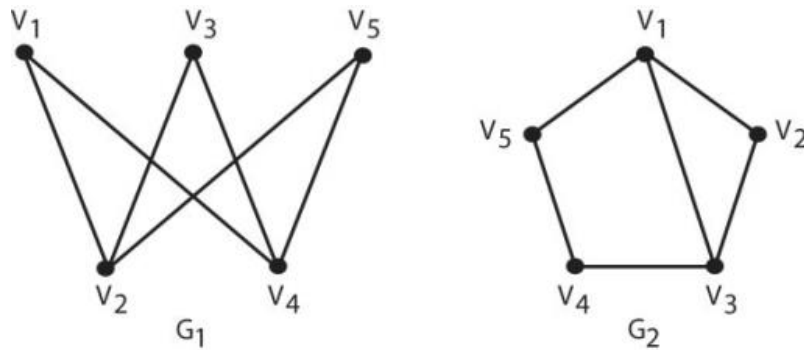
Question: 5

(a) Find the shortest path from the vertex **a** to vertex **z** in the following weighted Graph.

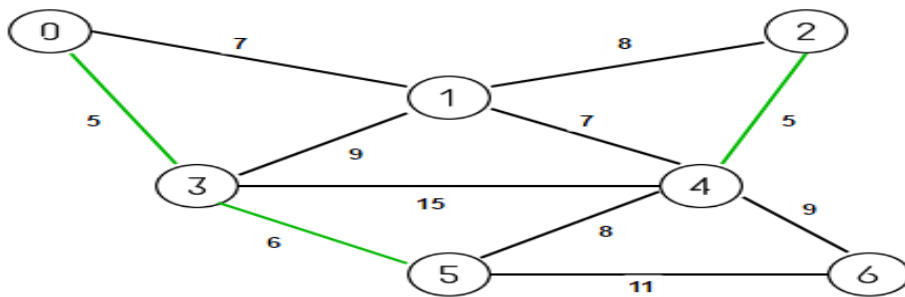(b) Prove that the complete graph with five vertices is non-planar graph.

Question: 6

Check the Isomorphism of the following graphs.

Question: 7

(a) Find the minimal spanning tree for the following weighted graph.

(b) Define:

(i) Rooted Tree   (ii) Binary tree
(iii) Radius and Diameter of a Tree   (iv) Spanning Tree

Question: 8

Find the adjacency matrix and the incidence matrix of the Graph given below

Undirected Graph