2023

COMPUTER SCIENCE — HONOURS — PRACTICAL

Paper : CC-9P
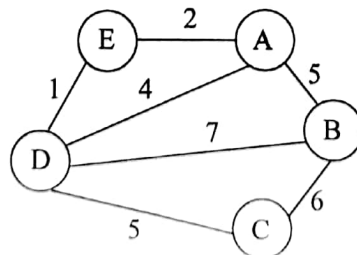
Full Marks : 30

SET - 2

Marks Distribution :

Source Code :   10
Algorithm :   05
Output :   05
Sessional :   04
Viva voce :   06
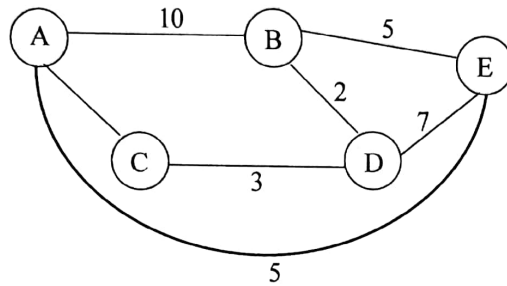
Answer *any one* question.

1. Write a C program to implement BFS algorithm.

2. Write a C program to implement DFS algorithm.

3. Write a C program to find minimal spanning tree of the following graph and print the minimum cost (weight) using Kruskal's algorithm.
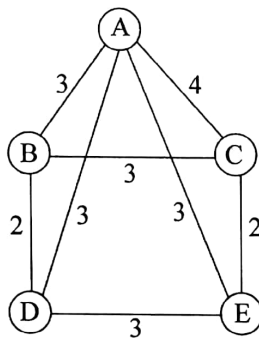
4. Write a C program to find all pair of shortest distance in the graph given below using Floyd-Warshall algorithm.

5. Write a C program to find minimal spanning tree of the following graph and print the minimum cost (weight) using Prim's algorithm.

6. Write a C program to find the shortest path from the vertex *a* to *t* using Dijkstra's algorithm.