

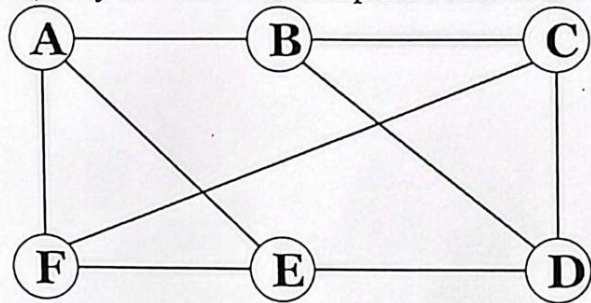
Class Test (3) Examination: Summer-2026
Course Code: CIS 122 (Batch: 24)
Course Title: Data Structure
Date: 13/08/2026

Time: 30 Minutes

Total Marks: 15

1. If Depth-First Search (DFS) starts from vertex **A** in the following graph, what will be the sequence of vertices visited? Assume that when multiple adjacent vertices are available, they are selected in alphabetical order.

[6]



2. Find the minimum travel distance from **A** to **E** in the following diagram. Also, identify the corresponding shortest path.

[9]

