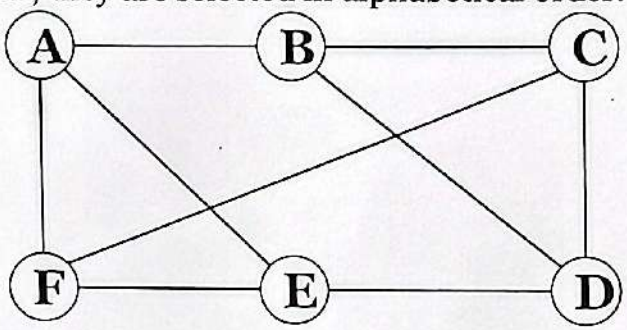
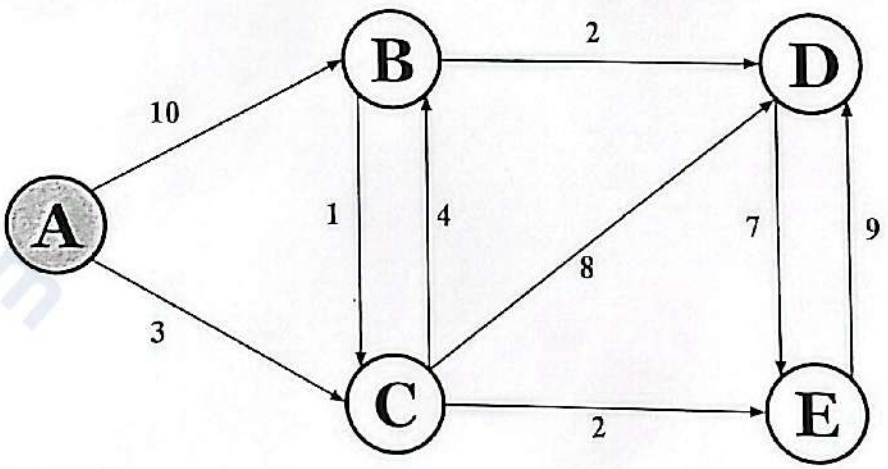
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Class Test (3) Examination: Summer-2026
Course Code: CIS 122 (Batch: 24)
Course Title: Data Structure
Date: 13/08/2026

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]