

Given the following graph, what is the cost of the Minimal spanning tree

Solution: (45)
Solution 49
Applying Kruskal's algorithm sort the edges in ascending of

Applying Kruskal's algorithm sort the edges in ascending order V1-V3, V3-V4, V2-V5, V1-V2, V4-V5, V4-V2, V2-V3. we get First, add V1-V3

Then add V3-V4 Then V2-V5

Then V1-V2

All the vertices are covered we can stop.

cost=10+12+13+14=49

## Match the following

List -1	List-2
1. Bellman-Ford	A. Minimal Spanning Tree
2. Floyd Warshal	B. All pairs shortest path
3. Dijkstra's Algorithm	C. Single source shortest path
4. Prims Algorithm	D. Graph Traversal

1-C, 2-B, 3-C, 4-D

1-C, 2-B, 3-C, 4-A

Correct Option

Max Marks: 2

Max Marks: 2

**Correct Answer** 

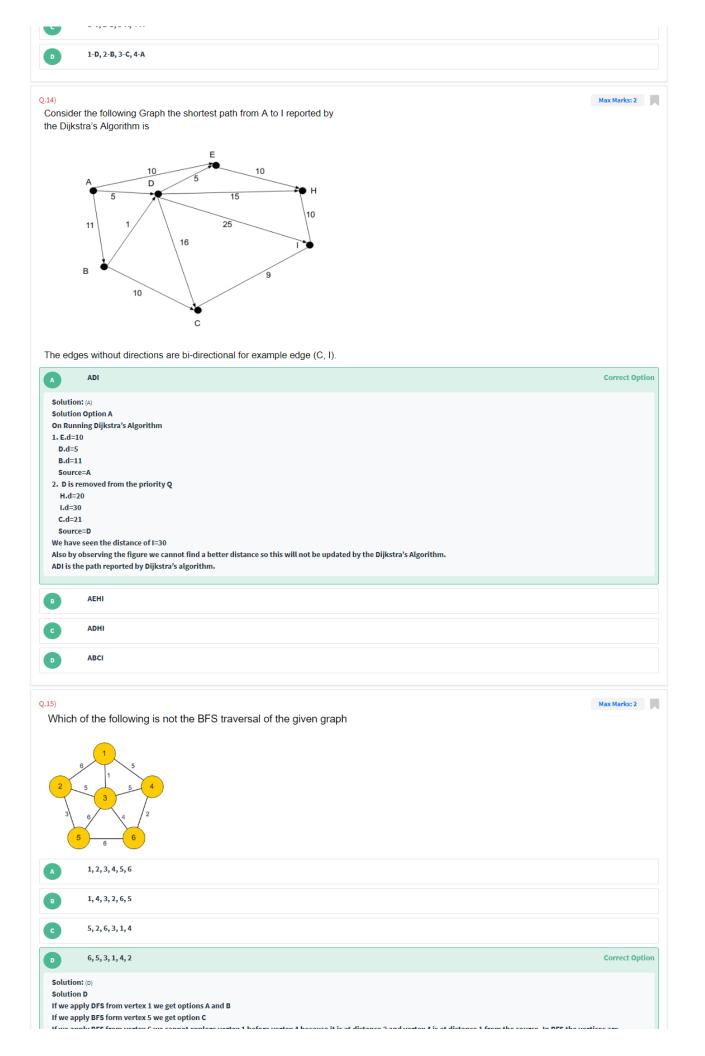
Solution: (B)

Solution Option B

Bellman-Ford and Dijkstra's algorithm is a single-source shortest path algorithm.

Prim's algorithm is to calculate the minimal spanning tree.

Floyd Warshall algorithm is to calculate the all-pairs shortest path algorithm.



IT WE APPLY BEST FOR EVENT OF WE CANNOT EXPLOYE VEHEAL I DEFOTE VEHEAL A DECAUSE ICES AC DISTANCE 2 AND VEHEAL 4 IS AC DISTANCE I FOR THE VEHICLES ARE EXPLORED IN Order of edge distance.

close