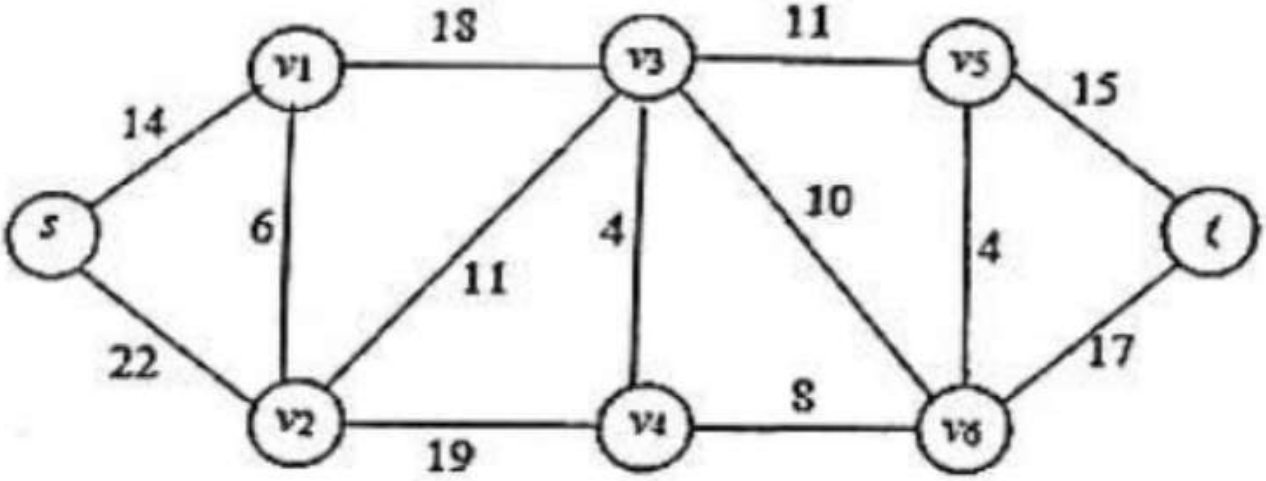
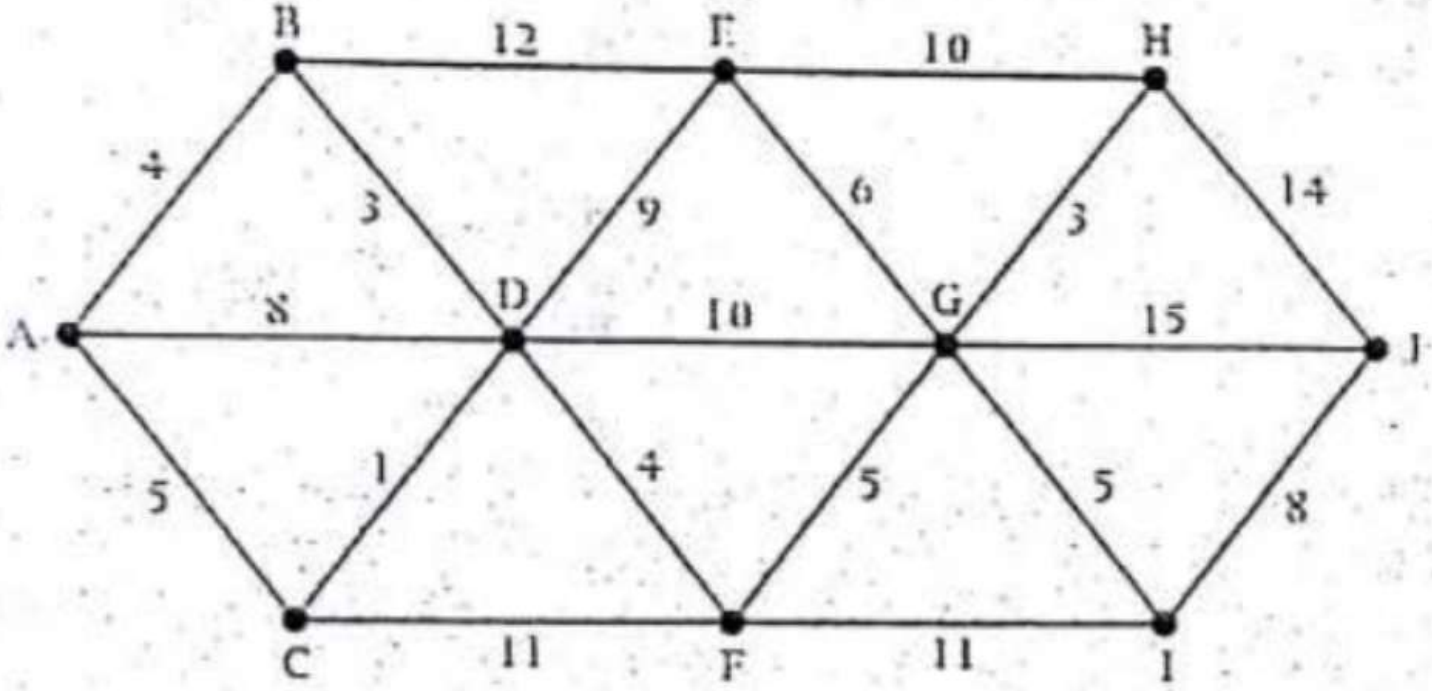
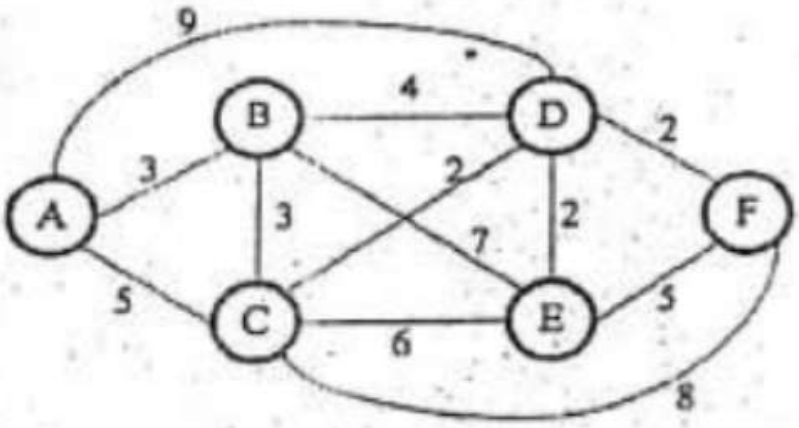
Use Dijkstra's algorithm to find the length of a shortest path between the vertices s and t in the weighted graph displayed in figure: 8



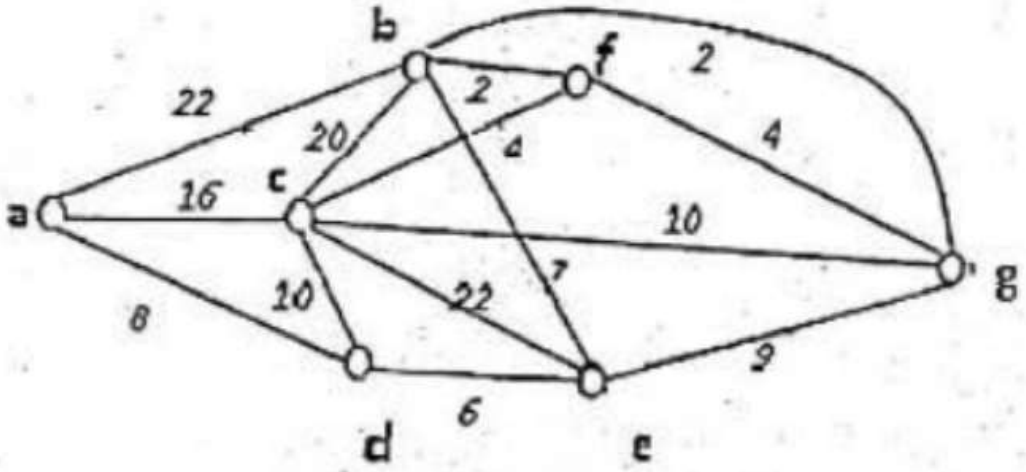
Find the shortest path from A to J in the following graph. 8



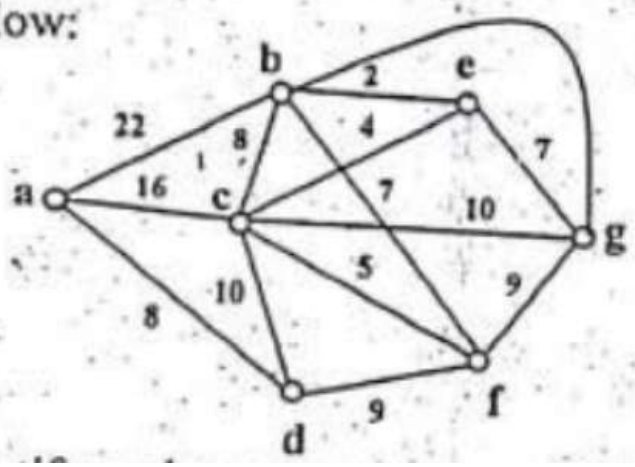
Find the shortest path and its cost from vertices **'A'** to **'F'** in the following weighted graph. (Assume if any required) 7



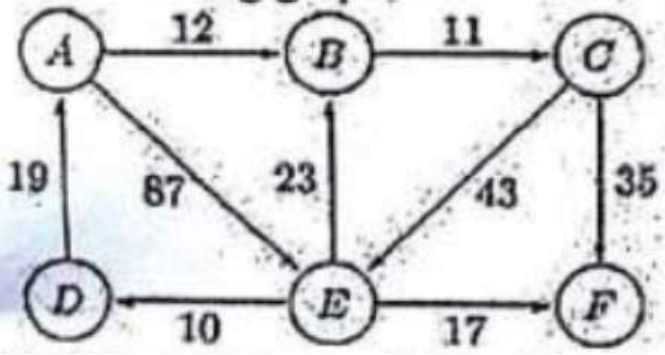
What are the major applications of graph theory? Find the shortest path and its cost from vertices 'a' and 'g' in the following weighted graph (*assume data if any required*). 8



Determine a shortest path between vertices a to g as shown below: 8



Use Dijkstra's algorithm to find the shortest path from A to F from the following graph. . 8



Apply Dijkstra's shortest path algorithm to find a shortest path and length of the shortest path between vertices a and e in the graph given below: 7 8