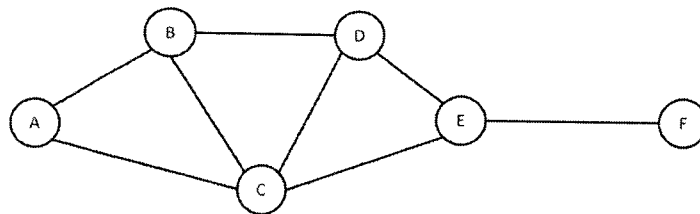
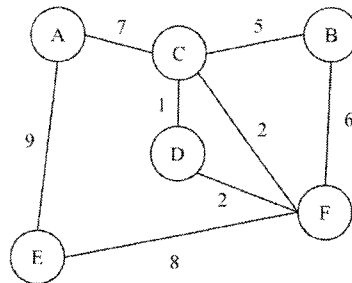


Attempt any **FIVE** out of **SEVEN**: (Each carries 5 marks)

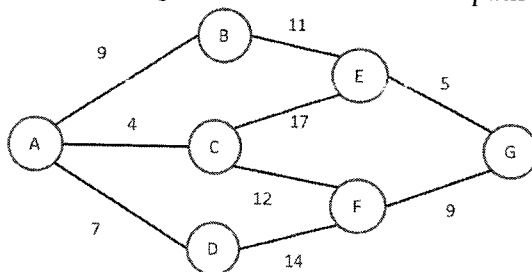
- Q.1** What is Data Science? Explain in detail.
- Q.2** Give the difference between AI & ML.
- Q.3** What is Machine Learning? Explain in detail.
- Q.4** What is Data Warehousing? Explain goals and needs for data warehousing.
- Q.5** Using Breadth first search algorithm find the shortest path between A to F.



Q.6 Apply Dijkstra algorithm and find the shortest distance for all nodes.



Q.7 Using A* search algorithm find the shortest path between G to A.



Node	Heuristic value
A	21
B	14
C	18
D	18
E	5
F	8
G	0
