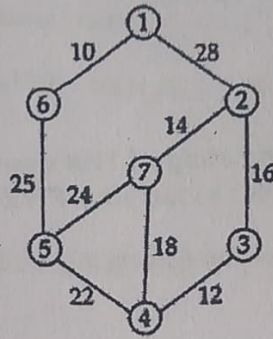


SECTION-B

2. What is the relationship among P, NP and NP complete problems? Show with the help of a diagram.
3. Explain breadth first search algorithm with an example.
4. Explain the concept of minimum spanning trees. Solve the following graph using prim's algorithm.



5. Explain various notations for representations of time complexity of an algorithm with suitable example.
6. Explain the greedy method with a suitable example.

SECTION-C

7. Explain the advantages of using dynamic programming. Introduce travelling salesman problem. Explain the technique to solve travelling salesman problem using this technique.
8. Why do we perform topological sorts only on directed acyclic graph? Explain.
9. Discuss Heuristics and its characteristics.

NOTE : Disclosure of Identity by writing Mobile No. or Marking of passing request on any paper of Answer Sheet will lead to UMC against the Student.