

- Q-4** **Attempt all questions**
- a. Explain Minimum spanning tree. (04)
 - b. Describe Graph. (05)
 - c. Explain Direct Addressing Table. (05)
- Q-5** **Attempt all questions**
- d. Explain Red-Black tree. (04)
 - e. Describe AVL tree. (05)
 - f. Explain Topological sort. (05)
- Q-6** **Attempt all questions**
- a. Explain Dijkstra's Algorithm. (07)
 - b. Explain Building Blocks of Algorithms. (07)
- Q-7** **Attempt all questions**
- a. Explain Quick Sort. (07)
 - b. Write a note on Double Ended Queues. (07)
- Q-8** **Attempt all questions**
- a. Explain Linked list. (04)
 - b. Describe Merge sort. (05)
 - c. Explain Prim's algorithm. (05)

