
SECTION-A

1. Write short notes on :
 - (a) Stacks
 - (b) Types of Queues.
2. Define two-way list. Discuss its advantages and disadvantages.

SECTION-B

3. Discuss breadth first search algorithm for traversing a graph.
4. Write an algorithm for binary search. Discuss with an example.

SECTION-C

5. Describe insertion sort with a proper algorithm. What is the complexity of insertion sort in the worst case?
6. Explain the working of merge sort with the help of an algorithm. Also discuss with an example.

SECTION-D

7. Discuss the concept of master and transaction files.
8. Discuss in detail various file organization techniques.
