(b) Write an algorithm for selection sort with suitable example.

## OR

10. (p) What do you mean by Sorting ? Write the Bubble Sort algorithm.

6
(q) What is Searching ? Explain BINARY SEARCH algorithm with example.
(b) Write an algorithm for converting infix expression to postfix form with example.

## OR

4. (p) Write an algorithm to find the factorial of a given number N using Recursion.

6
(q) Differentiate between the iteration and recursion. Explain with example.
5. (a) What is Queue ? Explain the algorithm to delete an element from queue.
(b) What is Linked List? Explain memory representation of Linked List.

## OR

6. (p) Explain the terms :
(i) Circular Queue
(ii) Deque
(iii) Priority Queue.
(q) Write the algorithm to insert node at the begining of a Linked List.
7. (a) Explain the term Binary Tree with its diagrammatic representation.
