**Test on Data Structures**

Q.1 What is stack? Write a program to create a stack of integers where elements should be inserted in a stack from the array of 5 integers.

Q.2 Define Queue. Write a program to insert 3 characters in a queue and display all characters.

Q.3 Define Tree and its Types. Explain Full Binary tree with suitable diagram.

Q.4 Write a program to create a linked list which stores ages of 3 students and traverse all elements of linked list and display ages.

Q.5 What is STL ? Write any 3 STL classes. Write a program to insert names of 5 Employees in a Stack using stack class and display details of employee like name, age and salary.