Data Structure Laboratory Assignment
SET- II

1. Write a program to create a singly connected linked list do the following operations on it: a. Insert a node at a specified position

   b. Delete a node from a specified position.

   c. Count the number of nodes in the linked list.

   d. Reverse print the linked list.

   e. Reverse the linked list.

2. Write a program to solve the Josephus problem using circular linked list.

3. Write a program to create a doubly linked list and do the operations as laid down in question number 1.

4. Write a menu driven program to implement basic operations of stack using linked list. 5. Write a program to convert an infix expression to its corresponding postfix expression. 6. Write a program to evaluate a postfix expression

7. Write a menu driven program which will do the following using array as well as linked list:

   a. Construct a linear queue.

   b. Insertion.

   c. Deletion.

   d. Check number of elements.

   e. Check overflow and underflow conditions.

8. Do the same as in Question number 7 for a circular queue.

9. Write a program to implement a queue using two stacks.