



Department of Computer Science, New Campus
**UNIVERSITY OF ENGINEERING
AND TECHNOLOGY, LAHORE**



Paper: Quiz 1 (A)

Time Allowed: 45 Minutes

Subject: DSA Lab

Roll #: _____

Semester: Fall 2024

Marks: 10

Section: SE 2023

Name: _____

1. Write a C++ function to rotate Doubly linked list by N nodes. Rotate the linked list counter-clockwise by N nodes. Here N is a given positive integer and is smaller than the count of nodes in linked list. (CLO1)

Void rotateByN (int n)

Input: 1 2 3 4 5

n = 2

Output: 3 4 5 1 2

2. Write a C++ function to Delete N nodes after M nodes of a linked list. Given a linked list and two integers m and n, the task is to traverse the linked list such that you skip m nodes, then delete the next n nodes, and continue the same till end of the linked list. (CLO2)

Node * skipMdeleteN(int m, int n)

Input: 9->1->3->5->9->4->10->1,

n = 1, m = 2

Output: 9->1->5->9->10->1