



Student Name: \_\_\_\_\_

Roll No: \_\_\_\_\_

Program: BS(CS)

Semester: Spring-2021

Time Allowed: 02 hours

Course: CS218– Data Structures

Examination: Mid Term

Total Marks: 60 Weightage: 30

Date: 28<sup>th</sup> May, 2021

Instructor Name: Waqas Ali

---

**NOTE:** Attempt all questions.

---

## Question No. 6

**Attempt Time:** 15 mins, **Submission Time:** 5 min

**Marks:** 10

A function that deletes all the nodes in a doubly linked list is given below:

```
void deleteList()
{
    if(head == NULL)
        return;

    node* temp = head;
    do
    {
        temp = temp->next;
        delete temp;
    }while(temp);

    head = NULL;
    len = 0;
}
```

What is the problem in the code? Identify the problem by using an example to dry run the code and then fix it. Write the correct code.