Quiz 2 (CLO 1)

Total Marks 10

1. **What does the following fragment of code do with a linked list?**

```
current = first;
while(current!=null){current=current.next;}
```

Ans: traversal

2. **Consider the following operation performed on a stack of size 5.**

```
Push(20);
Pop();
Push(50);
Push(10);
Pop();
Push(70);
Pop();
Push(60);
```

After the completion of all operation, the number of elements present in stack is?

Ans: 2

3. **In a stack, if a user tries to remove an element from empty stack it is called _____.**

Ans: Underflow condition

4. **Disks piled up one above the other represent a**

Ans: Stack

5. **Stacks can be used by an operating system to perform a function call.**

Ans: Yes

6. **_____ linked list is a two way list.**

Ans: Doubly

7. **How many pointers are necessarily changed for the insertion at middle point in a singly Linked List?**

Ans: 2

8. **Which linked list has no null pointer?**

Ans: Circular linked list

9. **Linked list is best suited for?**

Ans: for the size of the structure and the data in the structure are constantly changing.

10. **What is the time complexity to count the number of elements in the linked list?**

Ans: The time complexity for the given operation is O(n).