



**Daffodil International University**  
Department of Computer Science & Engineering  
Fall 2024

**Quiz 1**

**Course Title:** Data Structure  
**Course Code:** CSE123

**Time:** 40 minutes  
**Marks:** 15

**Answer all the questions:**

- 1) Suppose you want to store some of your information in a memory block and connect it to the same type of information of your two friends sequentially. The information contains the name, ID, and CGPA. Illustrate the logical view of this connection and write code to implement it. [5]
  
- 2) Assume you have a linked list where an integer value is saved in each node. Write a function to measure the sum of numbers stored in this linked list. [5]
  
- 3) Illustrate step by step process to insert a node at the tail of a list dynamically and write the associated function in C language. [5]

**Thank you for your participation**