

Department of Computer Science and Engineering
University of Liberal Arts Bangladesh
Mid Term Examination
Semester – Spring 2020
Course Title: Data Structure Lab
Course Code : CSE 208 (Sec: 2)
Duration : 1:00 Hours

PLEASE ANSWER ALL QUESTIONS.

Total 20 Marks

Name: _____ ID: _____

QUESTION 1

10 marks

Write a C program that uses a linked list to store n integers. Now write a function that searches for a value k in the list and returns the index of k . If k does not exist in the list then the function will return -1.

Input Description:

The input set contains three lines of input.

The first line of input is an integer n . The next line contains n space separated integers denoting the elements of the list. The last line of input is the integer k .

Output Description:

Output should be one line denoting the index of k in the list. If k is not present in the list, "-1" (without quotes) should be displayed.

Sample Input:

5
10 40 8 50 45
50

Expected Output:

3

QUESTION 1

10 marks

Interview

****END OF QUESTIONS****