Roll No.

BSSE 3A

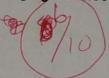
National University of Computer and Emerging Sciences, Lahore Campus



Course: Program: Duration:

Paper Date:

Data Structures BS(CS) 15 Minutes 9 Nov 2021



Course Code: Semester: Total Marks:

Fall 2021 Quiz 2

Section: Instruction/Notes:

Solve the exam on this question paper. Assume you are given a Doubly link list class Question1(10 marks): Write a recursive function to DLL class that returns true if the doubly link list is a palindrome. Think carefully about the input parameter of your function <u>IsDLLPalindrome</u> Wrapper () Node &T> & Ptr1 = Head; Node (T) \* PHZ = 14600 FOOTG Head! if ( is DLL Palindrome CPtr1, ptr 2) = = true) contex " Palindrome"; 3 bool is DLL Palindrome (Node < T>\* PHT1, Node < T>\* PHT2) exsert (PATE if ( PH7 = = 0) return true; else g return is DLL Palindrome (Ptrl, ptr2 >next); (ptrl >data = = ptr2 => data) return is DLL Palundrome (Ptrl) next, Ptr 2 -> previous els e veturn False;