BANKURA UNIVERSITY

B.Sc.(Honours) 3rd Semester Practical Examination 2020-21
Computer Science (Honours)
Data Structures(C-5) Practical
Full Marks 15 (Experiment : 10 + Viva Voce: 5)

Answer any **_one_** question: 10x1=10

1. Write a menu-driven program in C to implement basic operations of a Stack using array.
2. Write a menu-driven program in C to implement basic operations of a straight line Queue using Linked list.
3. Write a menu-driven program in C to perform the following operations in a singly linked list:
   i) Add an element at the beginning of the linked list.
   ii) Add an element in a desired location of the linked list.
   iii) Remove an element from the end of the linked list.
   iv) Display the list elements.
4. Write a program in C to convert an infix expression to its equivalent postfix expression.
5. Write a program in C implement Selection sort.
6. Write a program in C to find LCM of two numbers using recursive function.
7. Write a program in C to implement a Queue using two Stacks.
8. Write a program in C to implement binary search.

-----****-----