

PG CBCS
M.Sc. Semester-I Examination, 2021
COMPUTER SCIENCE
PAPER: COS 191 (PRACTICAL)
(DATA STRUCTURE LAB)

Full Marks: 40

Time: 3 Hours

Answer any FOUR questions from the following:

4X10=40

1. Write a Program in C to create a doubly linked list for n nodes.
2. Implement a user defined sparse matrix in C.
3. Write a C program to implement merge sort algorithm.
4. Write a Program in C to delete a node from a BST.
5. Implement the queue data structure using linked list in C.
6. Write a C program to find the intersection of two sorted linked list.
7. Write a C program to add two polynomials.
8. Implement heap sort algorithm in C.
9. Write a program in C to inset a node in an AVL tree.
10. Write a C program to convert infix to postfix expression.
