

Dr. C. V. RAMAN UNIVERSITY

Open and Distance Education (IODE)

KARGI ROAD-KOTA, BILASPUR (C.G.)

Practical Manual

Programme: M.Sc. (IT)

Data Structure with C++

List of Practical's

1. To insert an element item at Kth position of Array.
2. To insert an element Item in Sorted Array.
3. To implement the operation of Push, Pop and to know the status of stack.
4. An algorithm to check the status of stack.
5. To find factorial of a number using Recursion.
6. To find multiplication of two number using Recursion.
7. To implement the operation of insertion and deletion on Queue.
8. A menu driven program to implement the operation of addition, deletion, searching, traversing, reversion, sorting,
9. Implementation of stack using linked list.
10. Implementation of Queue using linked list.
11. To create binary search tree, traverse it and find number of leaves and total nodes in the Tree.
12. To arrange the list of number in a Sorted order using Bubble sort.
13. To arrange the list of number in the Sorted order using Quick sort.
14. To check all the element of list is in sorted order or not.
15. To search an item position in sorted list (Binary search).