

Programme: MCA Semester:I Subject code ITA419
Course Name: Programming in C and Algorithm Design L T P C 3 0 2 4
Cycle sheet III

Pointers:

1. Write a C program to print an array using pointer variable
2. Write a C program to find the sum of the array using pointer variable.
3. Write a C program to check whether the given string is a palindrome.
4. Write a C program to sort the elements in an integer array using pointers.
5. Write a C program to sort the names in alphabetical order.

Divide and Conquer

6. Write a program to implement quick sort.
7. Write a program to find maximum and minimum elements in an array using Divide and conquer method.

Greedy method

8. Write a program to implement knapsack problem.
9. Write a program to implement Dijkstra's algorithm to find the single source shortest path.