

## MEGA (C programming test – 2)

Min marks required: 50

Max Marks: 75

1. WAP to find large among n numbers.
2. WAP to print Fibonacci series of n terms.
3. WAP to find factorial of a number using recursion.
4. Find an element index from an array given by the user.
5. Take 10-character input from user and count the number of special characters, numeric, capital and small Alphabets from an array.
6. Count and reverse a string without using strlen () function.
7. Find min and max from an array.
8. Check whether a string is Anagram or not. (Hint: Anagram: - if the letters from one string can be rearranged to form the other string e.g., Cola and coal is anagram hey and yah is not anagram)
9. Take 5 student data using structure array and print student info according to roll no. given by the user.
10. Take a 3 or more-digit number from user and check whether it is Armstrong or not.
11. Make a user login system and take username and password(hidden) and check whether it is valid person or not.
12. Which function is best to take string input from user and why?
13. Take input in a 2D array and pass it as a parameter in a function which transpose that array.
14. Write a program to find the list of Armstrong numbers for a given range of number.
15. Write a C program to check whether a number is a Strong Number or not. (Hint: let num=145 if  $1! + 4! + 5! = 145$  then it is strong no.).