

8 MARKS

Write a C program to implement strcmp() , strcat() , strcpy() and strlen().

Write a C program to count the number of vowels, consonants, digits, spaces and special characters in a given string.

Using a python program, analyse the different logic behind swapping the values between variables

Explain the looping statements (while and for loops) with an example

Write a python program to find the given number is positive, negative or zero using Nested if conditional control structure.

What is function? How a function is defined and called in python? Explain with a simple program.

Write a program to replace each constant in a string with the text one except letter 'z', 'Z' and 'a', 'A' . Thus the string "Programming in C is fun" should be modified as "Qsphsannjoh jo D jt gvo".

Create a function to perform the simple interest using function with argument and return type and function with argument and no return type.

List the different types of conditional control statements in python and explain them with suitable example

Write a python program to implement student mark system using chained conditional if control structure.

Write a function reads two numbers and evaluates whether they are co-prime or not. Two numbers are said to be co-prime if they do not have any common divisor other than one.

Write a python code to print all numbers in a range (a,b) divisible by a given number (n)



15 MARKS

Write a C Program to implement string copy operation STRCOPY(str1,str2) that copies string str1 to another string str2 without using library function .

Define string. List out all string manipulation function. Explain any two with example, Explain any four string manipulation functions with examples.

Define a recursion. Write a C recursive function for multiplying two integers where a function call is passed with two integers m and n

Write a C program to illustrate call-by-value parameter passing technique and Write a C program to explain call-by-reference parameter passing technique.

