DEPARTMENT OF COMPUTER ENGINEERING

CO 10507 Programming for Problem Solving

LAB ASSIGNMENT -01

Note:

Submissions will be in assignment pages, and should be handwritten.

Draw Flowchart and Write Algorithms for every Program.

1	Write a C program to input electricity unit charges and calculate total electricity bill according to the given condition: For first 50 units Rs. 0.50/unit For next 100 units Rs. 0.75/unit For next 100 units Rs. 1.20/unit For unit above 250 Rs. 1.50/unit An additional surcharge of 20% is added to the bill	CO2
2	Write a C program to check whether a triangle is Equilateral, Isosceles or Scalene.	CO2
3	Write a C program to input any character and check whether it is alphabet, digit or special character.	CO2
4	Write a C program to count the total number of notes in a given amount.	CO2
5	Write a C program to check vowels or consonants.	CO2
6	Write a C program to find the largest number from four given numbers.	CO2
7	Write a C program to read the age of a candidate and determine whether he is eligible to cast his/her own vote.	CO2
8	Write a program to find the difference between two dates.	CO2
9	Write a program in C to read any Month Number in integer and display the number of days.	CO2
10	In a company an employee is paid as under: If his basic salary is less than Rs. 1500, then HRA = 10% of basic salary and DA = 90% of basic salary. If his salary is either equal to or above Rs. 1500, then HRA = Rs. 500 and DA = 98% of basic salary. If the employee's salary is input through the keyboard, write a C program to find his gross salary.	CO2