**Structured Programming Language Sessional**

**Course Code: CSE 106**

**Lab -2**

1. Write a C program to find maximum between three numbers.

2. Write a C program to check whether a number is divisible by 13 and 17 or not.

3. Write a C program to find all roots of a quadratic equation.

4. Write a C program to input marks of a Subject. Calculate percentage and grade according to following:

Percentage >= 90% : Grade A

Percentage >= 80% and < 90%: Grade B

Percentage >= 70% and < 80% : Grade C

Percentage >= 60% and < 70% : Grade D

Percentage >= 40% and < 60%: Grade E

Percentage < 40% : Grade F

5. Write a C program to input electricity unit charges and calculate total electricity bill according to the given condition:

For first 50 units Taka 0.50/unit

For next 100 units Taka 0.75/unit

For next 100 units Taka 1.20/unit

For unit above 250 Taka 1.50/unit

An additional line-rent of 20% is added to the bill.

Problem 6 : Write a C program to check positive negative or zero

Problem 7 : Write a C program to check whether a character is uppercase or lowercase

Problem 8 : Write a C program to print day of week

Problem 9 : Write a C program to check alphabet, digit or special character

Problem 10 : Write a C program to print number of days in a month

Problem 11 : Write a C program to check whether a triangle is valid or not if angles are given