**SUBJECT-OOP USING C++**

**PRACTICE ASSIGNMENT – 1**

**(USING CONDITIONAL STATEMENTS)**

1. Write a C++ program to input a number and check whether it is even or odd.
2. Write a C++ program to input a number. If the number is even, print its square otherwise print its cube.
3. Write a C++ program to find whether a given year is a leap year or not.
4. Write a C++ program to read the age of a candidate and determine whether it is eligible for casting his/her own vote.
5. Write a C++ program to read the value of an integer m and display the value of n is 1 when m is larger than 0, 0 when m is 0 and -1 when m is less than 0.
6. Write a C++ program to input a character and check that it’s a vowel or a consonant.(Using Switch Case)
7. Write a C++ program to find out the largest between three numbers.
8. Write a C++ program to check whether a number is negative, positive or zero.
9. Write a C++ program to check whether a number is divisible by 5 and 11 or not.
10. Write a program in C++ to read any day number in integer and display day name in the word. (using Switch Case)
11. Write a C++ program to check whether a character is uppercase or lowercase alphabet.
12. While purchasing certain items, a discount of 10% is offered if the quantity purchased is more than 100. If quantity and price per item are input through the keyboard, write a program to calculate the total expenses.
13. Write a C program to input marks of five subjects Physics, Chemistry, Biology, Mathematics and Computer.

Calculate percentage and grade according to following:

* Percentage >= 90% : Grade A
* Percentage >= 80% : Grade B
* Percentage >= 70% : Grade C
* Percentage >= 60% : Grade D
* Percentage >= 40% : Grade E
* Percentage < 40% : Grade F