

## **Assignment-24**

### **Functions in C++**

1. Define a function to check whether a given number is a Prime number or not.
2. Define a function to find the highest value digit in a given number.
3. Define a function to calculate x raised to the power y.
4. Define a function to print Pascal Triangle up to N lines.
5. Define a function to check whether a given number is a term in a Fibonacci series or not.
6. Define a function to swap data of two int variables using call by reference
7. Write a function using the default argument that is able to add 2 or 3 numbers.
8. Define overloaded functions to calculate area of circle, area of rectangle and area of triangle
9. Write functions using function overloading to find a maximum of two numbers and both the numbers can be integer or real.
10. Write functions using function overloading to add two numbers having different data types.