

## **LAB on OOP Using CPP**

### **Assignment-4**

- 1) Write a CPP program to display Fibonacci series using recursion.
- 2) Write a CPP program to find perimeter of a circle using inline function.
- 3) Write a menu driven CPP program for following options.
  - i. To find square root of a number
  - ii. To find ceil value of a number
  - iii. To find rounded value of a number
  - iv. To evaluate  $a^b$  operation
- 4) Write a menu driven CPP program for following options using function overloading concept.
  - i. To calculate area of square
  - ii. To calculate area of rectangle
  - iii. To calculate area of circle
- 5) Write a menu driven CPP program for following options using function overloading concept
  - i. To find a raised to b
  - ii. To find summation of first n integers
  - iii. To find multiplication of two numbers