**Pune Cambridge Institute of Management & Computer Application**

**Department of MCA**

**Academic year: 2023-24 Session: I**

**Subject: IT11L– Java Programming Lab Year: I Semester: -I**

# Lab Assignment 1

Date: 26/09/2023

1. Write a java program to display Area of circle. Consider radius=4.
2. Write a program to calculate area of rectangle, circle and triangle using function overloading.
3. Write a program to calculate an average of 3 integers, 4 floats and 1 array of 15 integers using function overloading.
4. Write a program to sort array of integers. Sort it in ascending &descending order.
5. Write a program to display count of odd &even numbers stored in an array.
6. Write a java program to implement class Employee
7. Write a java program to add all of the numbers up to 10 (Use recursion)
8. Write a recursive function to calculate factorial of given number.
9. Write a recursive function to display sum of all numbers between 5 - 10.
10. Write a recursive function to sort list of 10 numbers in ascending order.
11. Write a recursive function to display first 10 terms of Fibonacci series