Department of Computer Science and Engineering

Course Code: CSE222	Credits: 1.5
Course Name: Object Oriented Programming Lab	Faculty: FRS

Lab 01 – Basics of Java and Class Object

Task 1: Print 1 to 10 using FOR loop and 10 to 1 using WHILE loop.

Task 2: Print all the positive value from 0 to 100.

Task 3: Print all the divisors of a given number.

Task 4: Take an integer input "n" from user. Then check if that number is prime or not.

Task 5: Implement the FizzBuzz problem: For numbers 1 through 100, print "Fizz" if the number is divisible by 3, "Buzz" if divisible by 5, and "FizzBuzz" if divisible by both 3 and 5. Otherwise, print the number itself.

Task 6: Print the 25th Fibonacci number.

Task 7: Create a **Student** class with properties **name**, **age**, and **grade**. Implement a parameterized constructor to initialize these properties. Create instances of the **Student** class and display their information.

Task 8: Create a **Book** class with properties **title**, **year**, and **author**. Implement a parameterized constructor to initialize these properties. Create instances of the **Book** class and display their information.

Task 9: Create a **Product** class with properties **name**, **price**, and **category**. Implement a parameterized constructor to initialize these properties. Create instances of the **Product** class and display their information.

Task 10: Create a **BankAccount** class with properties **accountNumber** and **balance**. Implement multiple constructors, including one with no parameters and another with initial balance. Create instances of the **BankAccount** class and demonstrate the use of different constructors.