QP CODE: S510FN01 **Time: 3 Hours**

Max Marks: **80** (Q1: 25 marks, Q2: 35 marks, Record: 10 marks, Viva: 10 Marks)

FIFTH SEMESTER BCA PROGRAMME (CBCS)

PRACTICAL EXAMINATION NOVEMBER 2023

Software Lab V

1. Write a program using Swing to accept values in two textboxes and display the results of mathematical operations in the third text box. Use four buttons add, subtract, multiply, and divide.

2. Write a multithreaded program to print odd numbers and even numbers from two different threads with suitable delay.

QP CODE: S510FN02 **Time: 3 Hours**

Max Marks: **80** (Q1: 25 marks, Q2: 35 marks, Record: 10 marks, Viva: 10 Marks)

FIFTH SEMESTER BCA PROGRAMME (CBCS)

PRACTICAL EXAMINATION NOVEMBER 2023

Software Lab V

1. Write a swing program to accept an integer in a textbox then reverse that number and display the result in the second textbox.

2. Create an interface Department containing attributes deptName and deptHead. It has an abstract method showData() for printing the attributes. Create a class Hostel containing hostelname, hostellocation and noofrooms and also have methods readData() and printData() for reading and printing the details. Then write another class named Student extending the Hostel class and implementing the Department interface. This class which contains the attributes studname, regno, electivesub and avgmark. Use getData() and displayData() for reading and printing the details.

QP CODE: S510FN03 **Time: 3 Hours**

Max Marks: **80** (Q1: 25 marks, Q2: 35 marks, Record: 10 marks, Viva: 10 Marks)

FIFTH SEMESTER BCA PROGRAMME (CBCS)

PRACTICAL EXAMINATION NOVEMBER 2023

Software Lab V

1. Write an applet program to load an image and display it.

2. Write a Java program to read n numbers and race an exception called NegativeException when you input a negative number.

QP CODE: S510FN04 **Time: 3 Hours**

Max Marks: **80** (Q1: 25 marks, Q2: 35 marks, Record: 10 marks, Viva: 10 Marks)

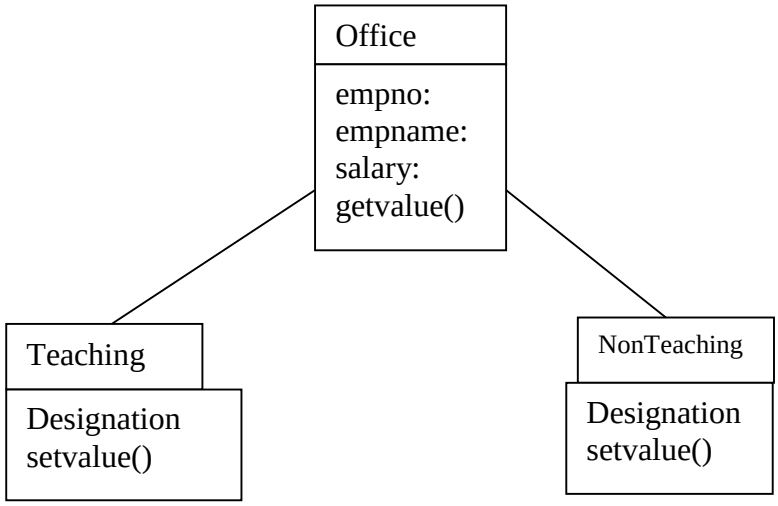
FIFTH SEMESTER BCA PROGRAMME (CBCS)

PRACTICAL EXAMINATION NOVEMBER 2023

Software Lab V

1. Write a swing program to accept an integer in a textbox then find the factorial of that number and display the result in the second textbox.

2. Write a Java program that implements educational hierarchy using inheritance.



QP CODE: S510FN05 **Time: 3 Hours**

Max Marks: **80** (Q1: 25 marks, Q2: 35 marks, Record: 10 marks, Viva: 10 Marks)

FIFTH SEMESTER BCA PROGRAMME (CBCS)

PRACTICAL EXAMINATION NOVEMBER 2023

Software Lab V

1. Write an applet program to display National flag.

2. Write a package to perform the mathematical operations - Addition, Subtraction, Multiplication, Division, and Modulus. Write a menu-driven program for all these operations and import the package for the above-said operations.