



ST. FRANCIS DE SALES COLLEGE

A FRANSALIAN INSTITUTE OF HIGHER EDUCATION **AUTONOMOUS**

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END SEMESTER EXAMINATION – APRIL/MAY 2026

COMPUTER SCIENCE – IV SEMESTER BSC

25BSC44A/C – OBJECT ORIENTED PROGRAMMING USING

JAVA

Time: 3 Hours

Max. Marks: 80

Instruction: Answer should be written completely in English.

SECTION - A

Answer any **FIVE** questions. Each question carries **TWO** marks.

(5X2=10)

1. Define OOPS.
2. Explain if statement with proper syntax.
3. Write a Java statement to create an object of a class.
4. What is a Mouse Event? Give examples.
5. What is Event Handling?
6. Define multitasking in Java.
7. Explain thread and its purpose?

SECTION - B

Answer any **SIX** questions. Each question carries **FIVE** marks.

(6X5=30)

8. Explain the features of Java.
9. Explain the different concepts of OOPs.
10. Write a Java program to demonstrate method overloading.
11. Explain Method Overriding. Write a Java program demonstrating Method Overriding to achieve runtime polymorphism.
12. Write a Java Program to check whether the number is even or odd.
13. Differentiate between checkboxes and combo boxes in Java Swing with neat diagrams.
14. Explain the two methods of creating a thread in Java.
15. Describe the usage of try-catch and finally blocks in exception handling.

SECTION - C

Answer any **FIVE** questions. Each question carries **EIGHT** marks.

(5X8=40)

16. Write a Java program to check whether the give number is palindrome or not.
17. Explain the types of inheritance in Java with suitable diagrams.
18. Explain different branching and looping statements in Java.
19. Describe the different Layout Managers in Java with a neat diagram.
20. Describe any 5 GUI components with neat diagram.
21. Explain the thread life cycle and thread synchronization in Java.
22. Write a GUI program for demonstrating a window with a button (login) with a neat diagram.

