



ST. FRANCIS DE SALES COLLEGE

A FRANSALIAN INSTITUTE OF HIGHER EDUCATION **AUTONOMOUS**

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END SEMESTER EXAMINATION – MAY 2025

COMPUTER SCIENCE – II SEMESTER BCA

24BCA24 – 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. Write any two features of Java.
2. Define abstraction with an example.
3. What is inheritance? Mention its types.
4. What is method overloading in java?
5. Define an applet.
6. State any two string operations with example.
7. How does exception handling improve code reliability?
8. What is exception? List its types.

SECTION -B

Answer any SIX questions. Each question carries FIVE marks.

(6X5=30)

9. Explain control structures in detail with example.
10. Explain the concept of compile-time polymorphism.
11. Define method overriding. Write a program that demonstrates method overriding.
12. List and describe the types of streams and their operations in Java.
13. Explain event delegation model in detail with suitable examples.
14. Describe in detail about applet life cycle in Java.
15. What are combo boxes and scroll bars? Write their features and uses in detail.
16. Define constructor. Explain its types in detail.



SECTION – C

Answer any FIVE questions. Each question carries EIGHT marks.

(5X8=40)

17. Explain in detail the different types of operators used in Java.
18. Write a Java program using AWT components to get user details and display the details on button click.
19. Illustrate with a suitable class hierarchy showing multilevel inheritance.
20. Describe in detail the different types of swing buttons.
21. What are collections? Explain in detail about types of collections.
22. Discuss exception handling in java with an example program.

