**APRIL 2026**

**53601/126C2A/**
**127C2A/225C3A/**
**220C4A/241C4A**

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Time : Three hours Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer any TEN questions.

1. Define Platform Independence in Java.

2. What is the role of JVM?

3. Mention any two Java primitive data types.

4. What is type casting in Java?

5. What is the use of the System.out.println() method?

6. Define a constructor in Java.

7. Mention any two types of inheritance in Java.

8. What is method overloading?

9. Define an abstract class.

10. Name two exception handling keywords.

11. What is the purpose of finalize ( )?

12. Define a thread in Java.

PART B — (5 × 5 = 25 marks)

Answer any FIVE questions.

13. Explain Java program structure with an example.

14. Discuss the role of this and super keywords.

15. Describe method overriding with an example.

16. Explain the concept of dynamic method dispatch.

17. Discuss how exception handling is done using try-catch-finally blocks.

18. Explain basic Swing components: JButton, JLabel, JTextField.

19. Write short notes on Adapter classes.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

20. Describe the JVM architecture and explain how Java achieves portability.

21. Explain inheritance in Java with types, syntax, and examples.

22. Discuss exception handling in detail including user-defined exceptions.

23. Write short notes on Event Delegation Model.

24. Explain about collection and Iterator Interface.

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