

B.C.A Semester - 4 (CBCS) Examination
March/April-2026 [NEW COURSE]
Programming with JAVA(Core)

Time: 2:30 Hours**Marks: 70****Instructions:**

1. All questions are compulsory.
 2. Figures to the right indicate marks.
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- Que. 1 (A) Answer the following questions. (03)
- 1) What is JDK?
 - 2) What is JVM?
 - 3) What is JRE?
- Que. 1 (B) Answer the following questions: (Any Two) (06)
- 1) Explain JDK tools.
 - 2) Explain data types in java.
 - 3) Explain static and non-static members.
 - 4) Explain compiling and executing basic java programs.
- Que. 1 (C) Answer the following questions: (Any One) (05)
- 1) Explain OOP concepts briefly.
 - 2) Explain method overloading with example.
- Que. 2 (A) Answer the following questions. (03)
- 1) What is interface?
 - 2) What is inheritance?
 - 3) What is inner class?
- Que. 2 (B) Answer the following questions: (Any Two) (06)
- 1) List out different types of inheritance in java. Explain any one with example.
 - 2) What is method overriding? Explain with example.
 - 3) What is abstract class? Explain its importance.
 - 4) Explain String and String Buffer class.
- Que. 2 (C) Answer the following questions: (Any One) (05)
- 1) Explain different access specifiers.
 - 2) Explain Wrapper classes.
- Que. 3 (A) Answer the following questions. (03)
- 1) What is Stream?
 - 2) What is daemon thread?
 - 3) What is bridge class?
- Que. 3 (B) Answer the following questions: (Any Two) (06)
- 1) What is thread? Explain thread life cycle.
 - 2) Explain multithreading with example.
 - 3) Explain File and Random-Access File Class.
 - 4) Explain Exception handling in java.

- Que. 3 (C) Answer the following questions: (Any One) (05)
- 1) Explain Input Stream Reader class in java.
 - 2) Explain Output Stream Reader class in java.
- Que. 4 (A) Answer the following questions. (03)
- 1) What is applet?
 - 2) What is layout manager?
 - 3) What is card layout?
- Que. 4 (B) Answer the following questions: (Any Two) (06)
- 1) Explain Graphics class with its methods.
 - 2) Explain Border layout with example.
 - 3) Explain using no layout manager.
 - 4) Explain implement and executing Applet with parameters.
- Que. 4 (C) Answer the following questions: (Any One) (05)
- 1) Explain applet life cycle.
 - 2) Explain Flow Layout with suitable example.
- Que. 5 (A) Answer the following questions. (03)
- 1) What is listener interface?
 - 2) What is AWT event packages?
 - 3) What is Swing?
- Que. 5 (B) Answer the following questions: (Any Two) (06)
- 1) Explain difference between AWT and Swing Components.
 - 2) Explain Event delegation model.
 - 3) Explain JLabel and JText Field.
 - 4) Explain Key Listener interface with example
- Que. 5 (C) Answer the following questions: (Any One) (05)
- 1) List out adaptor classes. Explain any one with example.
 - 2) List out Event classes. Explain any one with example.
