

A-1269

Total Pages : 3

Roll No.

BCA-13

Bachelor of Computer Application (BCA)

Programming in Java

Examination February, 2026

Time : 2:00 Hrs.

Max. Marks : 70

Note :- This paper is of Seventy (70) marks divided into Two (02) Sections 'A' and 'B'. Attempt the questions contained in these Sections according to the detailed instructions given therein. *Candidates should limit their answers to the questions on the given answer sheet. No additional (B) answer sheet will be issued.*

Section-A

Long Answer Type Questions (2×19=38)

Note :- Section 'A' contains Five (05) Long-answer type questions of Nineteen (19) marks each. Learners are required to answer any *two* (02) questions only.

A-1269

(1)

P.T.O.

1. Explain the features and advantages of Java as an Object-Oriented Programming language.
2. What is AWT in Java ? Define Event Handling in AWT.
3. Explain the concept of inheritance and explain different types of inheritance with an example.
4. Discuss various String methods in Java explain with suitable example.
5. Explain Exception Handling Mechanism in Java with the use of try, catch, throw, throws, and finally.

Section–B

Short Answer Type Questions (4×8=32)

Note :- Section ‘B’ contains Eight (08) Short-answer type questions of Eight (08) marks each. Learners are required to answer any *four* (04) questions only.

1. What are Applets and Applications in Java ? Explain their differences with examples.
2. Write any four Object-Oriented Programming features of Java.

3. What is a constructor ? Explain its purpose in Java.
4. How do you declare and initialize arrays in Java ?
5. What is event handling in AWT ? Explain the Event Delegation Model with diagram.
6. Explain JDBC. Describe its architecture and role in Java-based databased applications.
7. Write short notes on control statements — if, if-else, switch, for, while, and do-while with syntax and examples.
8. Explain how to execute SQL statements (SELECT, INSERT, UPDATE, DELETE) using JDBC ?
