

**K-327**

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[Roll No. ....]

**BCA-13**

**BCA IVth Semester  
Examination Dec., 2023**

**PROGRAMMING IN JAVA**

**Time : 2 Hours]**

**[Max. Marks : 70**

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*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 there in. 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.*

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( 1 )

P.T.O.

1. Explain history of Java.
2. Explain all the data types in java.
3. What is Applete in java ? Explain the Life Cycle of air Applet.
4. Explain the entire decision making and control Statement in java.
5. What are the stream classes and the predefined streams in java ? Explain with the help of example.

### **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 is JVM ? Explain.
2. Explain operators in java.
3. What is constructor ? Explain with the help of example.
4. What is inheritance ? Explain with the help of example.
5. Explain reading and writing file.
6. Explain User defined exception subclasses.

7. What is interface ? Explain with the help of example.
8. What is Recursive class ? Explain with the help of example.

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