# K-327

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# BCA-13

# BCA IVth Semester Examination Dec., 2023

## **PROGRAMMING IN JAVA**

Time : 2 Hours]

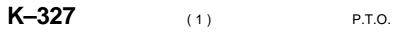
[Max. Marks : 70

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 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.



- 1. Explain history of Java.
- 2. Explain all the data types in java.
- 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.K-327 (2)

- 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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