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MCA–16MSCIT–13

MCA/MSCIT 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. What are the basic features that make Java stand out as a programming language?

2. Discuss the usage of loops in Java with examples.

3. What is abstraction ? How do we implement abstraction in java ? Explien with an example.

4. Explain the importance of handling exceptions in Java programs.

5. Explain the following terms with respect to exception handling :

   (a) try

   (b) catch

   (c) throw

   (d) 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 Data types in java with example ?

2. Difference between Interfaces and Packages in java with example.

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3. Differentiate between AWT and Swings in Java.

4. Discuss the importance of JDBC drivers and their types.

5. Describe the StringBuffer class and its use in Java.

6. Describe API in Details.

7. Discuss the life cycle of an applet in Java.

8. How do you read and write files in Java ?

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