

P-823

Total Pages : 3

Roll No.

MCA-16/MSCIT-13

Programming in JAVA

(MCA/MSc IT)

4th Semester Examination, 2023 (June)

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 therein. Candidates should limit their answer to the questions on the given answer sheet. No additional (B) answer sheet will be issued.

SECTION-A

(Long Answer Type Questions)

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.

(2×19=38)

1. Explain the features of Java Programming language.

2. Write an applet program that accepts two input string using tag and concatenate the strings and display it in status window.
3. What is constructor? Write a program to find out whether the given number is palindrome or not.
4. What is garbage collection in Java? What is the Break and Continue statements? State four similarities between Interfaces and Classes.
5. Explain the following terms with respect to exception handling.
 - (a) try.
 - (b) catch.
 - (c) throw.
 - (d) finally.

SECTION-B

(Short Answer Type Questions)

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. (4×8=32)

1. What are basic steps to JDBC? Explain the types of JDBC Drivers.

2. What is a thread? Describe the complete life cycle of thread.
 3. Explain AWT & Swings using suitable example.
 4. Describe the following methods related to String :
 - (a) replace()
 - (b) compareTo()
 - (c) charAt()
 5. Describe stream classes? Explain reading console input & writing console output?
 6. How does a string class differ from String Buffer class?
 7. Describe the uses of final and super keywords with respect to inheritance.
 8. What is an Array? How array is declared and initialized in Java ? Give an example.
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