S-720

Total Pages : 3   Roll No. --------------

MSCIT-13

Programming in Java

(MCA/MSCIT)

3rd Semester, Examination 2022(Dec.)

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.

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 x 19 = 38]

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Q.1. Explain java swing with its features. Explain JDBC with its architecture.

Q.2. What is multithreading? Explain the thread life cycle.

Q.3. Write a program of single inheritance using constructors in java. How overriding is different from overloading? Explain it with the help of a program.

Q.4. What do you understand by event handling? Write any program to show event handling.

Q.5. What is AWT? Explain its application, control and working with windows?

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 x 8 = 32]

Q.1. How string classes differ from string buffer class? Write a program to read a string and rewrite it.

Q.2. What do you understand by two tier and three tier model.

Q.3. Define a class and object. Write syntax to create class and object with an Example.

Q.4. Write a program of multiple inheritances using interface in java.

Q.5. Write a program in Java to read the content of file and display it.

Q.6. What do you understand by applet life cycle? Write a program to display an image on an applet.

Q.7. What do you understand by exception handling? Write a program to demonstrate try-catch.

Q.8. What are built-in exceptions? Differentiate between checked and unchecked exceptions with examples.

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