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Roll No

MCADD-704

M.C.A. (Integrated) VII Semester

Examination, June 2020

Programming in Java-I

(Elective - I)

Time : Three Hours

Maximum Marks : 70

Note: i) Attempt any five questions.

ii) All questions carry equal marks.

1. a) Differentiate local variable, instance variable and reference variable with example.
b) What do you understand by portability of code? Are Java programs portable? Justify your answer.
2. a) Define Encapsulation, Data Hiding, Abstraction and Polymorphism.
b) What is Constructor? Explain different types of constructors. Explain.
3. a) Differentiate between super and this keywords with suitable example.
b) Describe complete life cycle of thread? How to create thread in Java?

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4. a) What is Exception? Different type of exception in Java briefly explain.
b) What do you mean by interface? Differentiate interface and abstract class in Java.
5. a) Describe AWT class hierarchy.
b) Explain the concept of JDBC with suitable example.
6. a) Write short notes on the following terms.
 - i) RMI application
 - ii) Method overridingb) What is Runnable interface? Explain its working with example.
7. a) What is Package? How is it created, give example?
b) Define Applet. Differentiate between buffered reader and buffered writer.
8. Explain the following. (any two)
 - a) Garbage collection in Java
 - b) String class
 - c) Swing class
 - d) JVM

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