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Roll No

IT-5005(4)-CBGS

B.E. V Semester

Examination, December 2020

Choice Based Grading System (CBGS)

Java Programming

Time : Three Hours

Maximum Marks : 70

Note: i) Attempt any five questions.

ii) All questions carry equal marks.

1. a) How an object array is created in Java? Explain.
b) How to create a package? Explain with example.
2. a) Explain the implementation process of multiple inheritance in Java.
b) How do applets differ from application programs explain with example?
3. a) Explain about AWT facilities of Java.
b) Write a Java program to draw the various ellipse shapes in an applet window.
4. a) Explain the term “try”, “catch”, “throw” and “assertions” with examples.
b) What are the basic steps for using JDBC to access database? Explain briefly with syntax.

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5. a) Explain thread synchronization with an example program.
b) Write about text input/output and binary input/output.

6. a) Write a program to copy content of one file to another using character stream class.
b) Explain JDBC exception class. And write the steps to connect remote database using JDBC.

7. a) Write a java program to demonstrate multithreading operation.
b) Design a screen in java which accepts text in text box. If the left mouse is clicked, convert the text to uppercase and if the right button is clicked, convert it to lower case.

8. a) How to handle multiple catch blocks for a nested try blocks? Explain with an example.
b) What is a Stream? What is the difference between byte streams and character streams? How are they used to capture input from the user?

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