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Roll No .....

## IT-5005(4)-CBGS

### B.E. V Semester

Examination, June 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) "Java is object oriented language". Give reasons to supporting the given argument. 7  
b) Illustrate the basic functions of Java Application Programming Interface (API). 7
2. a) How coordinate Transformation and Image manipulation is done in AWT. 7  
b) Explain in brief about event sources and event listeners. 7
3. a) Explain the concept of multithreading. 7  
b) Explain Exception-handling in Java with the suitable example. 7
4. a) Explain the term "try", "catch", "throw" and "assertions" with examples. 7  
b) What are the basic steps for using JDBC to access database? Explain briefly with syntax. 7

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5. a) Write a Java program which accepts a file name as command line argument and finds the length of the longest line. Display error message if file does not exists. 7
- b) Write a Java program to illustrate communication between client and server. 7
6. a) Write a Java program to Insert Students details like Roll\_No, Name, Address, city, email-address into Student table. 7
- b) Explain the life cycle of Applet. 7
7. a) Design a screen in Java which accepts text in textbox. If the left mouse is clicked, convert the text to upper case and if the right mouse button is clicked, convert it to lower case. 7
- b) Discuss various levels of access protection available for packages and their implementations. 7
8. Explain the following. 14
- i) Copy constructor
  - ii) Thread scheduling
  - iii) JDBC-ODBC bridge
  - iv) RMI registry services

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