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Roll No

IT - 505

B.E. V Semester

Examination, December 2015

Java Programming

Time : Three Hours

Maximum Marks : 70

- Note:** i) Answer five questions. In each question part A, B, C is compulsory and D part has internal choice.
- ii) All parts of each questions are to be attempted at one place.
- iii) All questions carry equal marks, out of which part A and B (Max.50 words) carry 2 marks, part C (Max.100 words) carry 3 marks, part D (Max.400 words) carry 7 marks.
- iv) Except numericals, Derivation, Design and Drawing etc.

Unit - I

1. a) What is Javac? rgpvonline.com
- b) "Java is object oriented language". Give one reason to supporting the given argument.
- c) What does Java API consists of?
- d) Discuss various levels of access protection availables for packages and their implementations.

Or

State the significance of following:

- Static
- Finalize

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Unit - II

2. a) What is the role of layout manager in AWT or swing?
- b) What is the task of main method in Java program.
- c) Explain JVM.
- d) 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.

Or

Explain the lifecycle of Applet.

Unit - III

3. a) State difference between input stream class and output stream class.
- b) What do you mean by thread synchronization?
- c) Explain throw statement with suitable example.
- d) Explain inheritance and exception-handling in java with the suitable example.

Or

Explain the concept of multi-threading with example.

Unit - IV

4. a) What do you mean by input stream class?
- b) What are the steps involved in Java database connectivity.
- c) What is the difference between Buffer reader and buffer writer?
- d) Create of JDBC application to Insert User Registration details like Registration No, User name, Password, Email into User Registration table. Also perform update and delete operations on specified rows.

Or

Write a Java program to insert students details like Roll_No, Name, Address, Age, Date_of_Birth into Student table.

Unit - V

5. a) Describe unicast socket.
- b) What do you understand by proxy server?
- c) Explain internet addressing.
- d) Write a Java program to illustrate communication between client and server.

Or

What is client/ server computing? Explain it with reference to RMI.
