Roll No ....

MCTA - 203

M.E./M.Tech., II Semester

Examination, July 2015

Advance Programming with J2EE

Time : Three Hours

Maximum Marks : 70

Note : i)   Attempt any five questions.
　　　 ii) Each question carry equal marks.

1. a) What is the purpose of garbage collection in Java and when is it used?
   b) Write a class date that takes day, month and year while creating an object of this class. Find a new date when the number of days given.

2. a) Create a package containing a class to print your (name, roll no., marks) and use this package in another program using import statement.
   b) Write detail note on applet to servlet communication with suitable architecture diagram and code.

3. a) Describe synchronization in respect to multithreading.
   b) Differentiate between AWT and Swing on the basis of working and application.

4. a) Explain how to set font of an applet using font class. Give suitable code segment to demonstrate.
   b) Explain the working of JDBC-ODBC bridge.

5. a) Explain the architecture of CORBA in detail with advantages, disadvantages and suitable example.
   b) List the features of J2EE.

6. a) Briefly discuss the various components of RMI in detail with suitable example.
   b) Explain the functions of EJB components in web application.

7. a) Explain container managed persistence bean and entity managed persistence bean with suitable example.
   b) Write a Java program to create session bean to do authentication.

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