

Roll No

MCTA-203

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

Examination, December 2016

Advance Programming with J2EE

Time : Three Hours

Maximum Marks : 70

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

1. a) How to create a JAR file? Explain the JAR command with its all option in detail with suitable example.
b) Write an RMI application where client sends empno and server returns corresponding salary by querying database.
2. a) Explain architecture of J2EE. List out Java technologies supported by J2EE along with their applications.
b) Write a Servlet to set the cookies for first and last name entered by user.
3. a) What are the differences between Java Bean and basic Java Class? Explain Java Bean Architecture.
b) Write a Java code to reverse Singly Linked List.
4. a) Describe following with proper illustrations :
i) Type-4 JDBC driver
ii) Servlet events
b) Compare the AWT and Swing and List and explain various swing layouts and components with examples.

5. a) Explain the EJB container and its services.
b) Explain the architecture of CORBA in detail with advantages, disadvantages and suitable example.
6. a) Explain serialization/deserialization of object with necessary code in Java.
b) Explain dynamic methods dispatch with examples.
7. a) Classify JDBC Driver types according to their architecture.
b) Write a Java program to create two threads so one thread will print odd numbers where as second thread will print even numbers between 1 to 20 numbers.
8. a) Explain the following terms with respect to exception handling.
i) Try
ii) Catch
iii) Throw
b) Write a program to create an applet that will accept values of three test marks i.e. test1, test2, test3, each out of 25. The user will enter the marks in three separate textfields. The applet will have a button labeled "Find average". When the user will click on the button the average of test marks will be displayed in the fourth text field.
