Date: 11-10-2013

Time: 5:00 P.M. to 6:15 P.M.   **Maximum Marks : 30**

Q:1
A)   Explain concept of transaction processing in JDBC.   [5]
B)   Explain following methods with example.   [5]
    i)   response.sendRedirect() ii) response.encodeURL()
    ii)   response.setConectType()

Q:2   Attempt any Two: [10]
A)   Discuss RMI architecture in detail.
B)   Explain different types of resultset in JDBC.
C)   Write client and server socket programs to implement DayTime server utility.

Q:3
A)   Write a web application for following requirements.   [10]
    • Take Customer ID from JSP/Servlet.
    • Validate Customer ID **at Server Side only.**
        ▪ Customer ID's minimum length is 8 and maximum 12.
        ▪ First four letters of ID must be character and remaining numbers.
    • If Customer ID is invalid then redirect to JSP/Servlet with error message.
    • Otherwise, Search customer from data base.
        ▪ If Customer is not found then redirect to JSP/Servlet with error message.
        ▪ Else, display all the details of particular customer.

<center>OR</center>

A)   i) Write a program to design a Swing from with following student information.   [5]
Student Name, Enrollment No, Marks in Course 1 , Marks in Course 2, Marks in Course 3, Marks in Course 4, Marks in Course 5.
    • Calculate percentage of student when user clicks on Result button.

ii) What is document descriptor (DD) ? What are the advantages of DD?   [2.5]

iii) Explain the differences between attribute and parameter with example.   [2.5]