B.E / B.Tech (Full Time) DEGREE END SEMESTER EXAMINATIONS, APRIL / MAY 2014

Branch: Information Technology

Degree: B.Tech, Semester: IV

Code no. / Subject: IT8451-Web Technology

(Regulation -2012)

Time: 3 Hours   Answer ALL Questions   Max. Marks 100

PART-A (10 x 2 = 20 Marks)

1. Write a java code to find factorial of n using recursive function.

2. Write a java code to display all the methods and constructors of Socket class using Reflection

3. Write java code to display domain name, IP address and port number of host using InetAddress method.

4. Write a java code to continuously display 'hello' with time delay of 1000s using threads.

5. Differentiate SAX with Dom parser.

6. Write a java code to retrieve the information from a file.

7. Write short notes on some implicit objects in JSP.

8. Let us assume, we have circle bean with radius as its persistence property. List these persistent details by introspection.

9. Display current date using JSP scriptlet

10. What is hibernate? List out the main features of it

Part – B (5 x 16 = 80 marks)

11. a. Write a java code to construct the class to represent a building, then as house or office complex or as apartments. Use appropriate inheritance concepts
b. Get the student marks using an applet and display the mark sheet with grade. Validate the required fields.

12. a) Write a client program has to get two numbers from the user and send to compute server. Find the addition,multiplication of two numbers at compute server and send the result back to client. Implement using RMI.
(OR)
b) The File server maintains multiple files. The client should upload 2 files to file server say file1 and file2. He wants to download the concatenation of these two file contents, as file3 from the server. Implement this extend featured FTP protocol using TCP.

13. a) a. Get the students' details like name, register number and mark using form. Generate DTD for this XML document.

	Reg no	Mark
Xyz	1000	90
Abc	1001	80
Rst	1002	89
Pqr	1003	87

Generate the collected information in the descending order of marks using XSLT. Results should be displayed in the above format.

(OR)

b) Get the employee details like name, employee number and salary from database. Retrieve these details using AJAX framework.

14. a) i. Create cookies with name of person and secret code at the server after getting these details from client using HTML form. Display these details at the server side using Http servlet.

ii. Display the current and yesterday's gold rate using session object.

(OR)

b) Get the details of the items to be purchased from a client and update the inventory of the shop after selling. Prepare the bill for the client. Maintain the transaction table also just by inserting these purchase item details at the shop. Implement it using JDBC.

15. a) i. Explain the MVC architecture.

ii. Explain the model, view and controller components of struts. Explain struts with forms using suitable example.

(OR)

b) Get name and age of a person from client with HTML form. Validate these details at the client using java script. After submitting these details after validation, these details should be inserted in a table at the server side using JSP.