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B.E./B.Tech. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2006.

Seventh Semester

Computer Science and Engineering

CS 432 – WEB TECHNOLOGY

Time : Three hours   Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. Define client and a server system. Write any two examples for a client-server system.

2. Justify the need for client side scripting with an example.

3. What is the difference between GET and POST method?

4. Create a vertical frame and a link in the left frame using HTML tags.

5. List out the methods associated with Data Output Stream class.

6. What is the use of InetAddress class? List out the static method associated with it.

7. What is HTTP authentication? How is it supported in java?

8. List out the key operations performed by Multicast Socket.

9. What is a cookie? Explain its usage.

10. Compare DTD and XML schema.

PART B — (5 × 16 = 80 marks)

11. (a) (i) What is a firewall? Explain the basic technique of implementing a firewall. (6)

    (ii) List out the steps defined by HTTP protocol for each request. Explain the significance of each step. (6)

    (iii) List out any four response codes of HTTP protocol and explain its meaning. (4)

Or

    (b) (i) What kind of security mechanisms are enforced using Applet? Explain. (8)

    (ii) Explain the usage of FTP and Telnet with suitable example. (8)

12. (a) (i) Create a HTML form to accept username and password and to submit it to the server side script file "abc.pl". (8)

    (ii) Create a table using HTML tags to display the temperature of three major cities of two countries. Use CSS to specify the font and color for each column. (8)

Or

    (b) (i) Create a HTML page for railway reservation system. Provide drop down list box to choose 'From' and 'destination' places. Provide two text boxes to get train number and date of journey. Use a table to get the name of passengers, their age and gender details. (8)

    (ii) Write client side validation for the above mentioned railway reservation forum. (8)

13. (a) Write a java program to implement a chat system.

Or

    (b) Explain the steps involved in the implementation of RMI. Write an RMI program to find the temperature of a given city.

14. (a) (i) Explain the life cycle of applets. (6)

    (ii) Create an applet based application to add or subtract any two numbers entered in text boxes. Display the result in another text box. (10)

Or

    (b) (i) List out the objects associated with ASP and highlight the features of each object. (8)

    (ii) Write a servlet program to display a 'welcome' message on the client system. (8)

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15. (a) (i) What are the steps involved in establishing a connectivity with a database system using Java Language? Write the syntax and explain with an example. (8)

(ii) What is a state? How is it maintained in a web based application? (8)

Or

(b) (i) What are plugins? Explain its usage with suitable example. (8)

(ii) What are the steps involved in the creation of an online book store. Suggest the hardware and software specifications required to implement this system. Justify your answer with proper comments. (8)

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