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B.E./B.Tech. DEGREE EXAMINATION, MAY/JUNE 2007.

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.    Justify WWW is a client server model.

2.    Differentiate between markup language and scripting language

3.    What are the advantages of CGI?

4.    List out any four widely used tag elements and controls in HTML.

5.    Define socket. Mention the different types of socket?

6.    Compare protocol handler and content handler.

7.    Write any two features of CSS.

8.    How DHTML is different from XML?

9.    Mention the need for plug-ins in online application.

10.   Write the steps involved in establishing a connectivity with a database system.

PART B — (5 × 16 = 80 marks)

11.   (a)   (i)    Explain the client/server model of an internet in detail.          (8)

            (ii)   Write note about HTTP protocol and its requests.                    (8)

Or

      (b)   (i)    Compare and contrast between FTP and HTTP.                         (4)

            (ii)   Explain the usage of SMTP in detail with an example.               (8)

            (iii)  Mention any four response codes of HTTP protocol.                  (4)

12. (a) Briefly discuss about server-browser communication in detail with suitable example. (16)

Or

(b) (i) Write a CGI program to display the today's date and current time. (8)

(ii) Discuss briefly about e-mail generation. (8)

13. (a) Write a sample code to find out how many users access the web server per day. Explain it with socket programming. (16)

Or

(b) (i) Write a program segment to display the name of the city using RMI concept. (8)

(ii) What is multicast socket? What are the steps involved in developing a multicast application? (8)

14. (a) (i) What do you mean by CSS? Discuss the properties of CSS-level 1 in detail with suitable example. (10)

(ii) Compare and contrast between ASP and JSP. (6)

Or

(b) (i) Write an ASP code to access a table and records with ADO from a student database to obtain the result of a student. (10)

(ii) Write similarities and dissimilarities between XML and DHTML. (6)

15. (a) Illustrate with an example, how dynamic processing of web page is achieved using scripting? (16)

Or

(b) Write short note of the following :

(i) Database connectivity. (6)

(ii) Monitoring user events. (3)

(iii) On line database. (4)

(iv) Plug-ins. (3)