

K 1218

B.E./B.Tech. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2004.

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 Gateway and Search engine.
2. List the attributes that the <Body> tag can take.
3. Define ISP (Internet Service Provider) and IRC (Internet Relay Chat).
4. Which is the software that actually executes servlets? What does a JSP specification provide?
5. What is XML? (Extended MarkUp Language) What is the topmost element in a document called?
6. Define HTML (Hyper Text MarkUp Language) and Hyper media?
7. What is the difference between well-formed and valid XML document?
8. Give the structure of an HTML program.
9. Define DTD (Document Type Declaration) and What are servelets?
10. (a) Which is the component that uses a File System object to read and write and text streams to files.
(b) Which method causes the contents of the entire Text Streams to be loaded into memory?

PART B — (5 × 16 = 80 marks)

11. (i) Specify the set out development goals of XML. (6)
(ii) How is XML defined? (6)
(iii) Give the XML syntax and structure rules. (4)

12. (a) (i) List the methods required for creating a functional HTTP servlet. (6)
(ii) Give the common Servlet Methods. (4)
(iii) Describe the servlet life cycle using a flowchart. (6)

Or

- (b) (i) Give the functionality and purpose of HTTP. List the notion of transactions and the primary characteristics. (6)
(ii) What does a common gateway interface define? (2)
(iii) Give the functionality of CGI. (2)
(iv) How a Web Browser communicates with a Web Server? (6)
13. (a) Give a brief overview of ASP components. (16)

Or

- (b) (i) Give the basic JSP tags declaration. List and explain the five categories of JSP elements. (6)
(ii) Explain about Client Server Model. (10)
14. (a) (i) What is HTML and various HTML tags? List the commonly used HTML commands. (6)
(ii) How to create user interactive web pages using form objects and form Elements? (10)

Or

- (b) (i) List the properties of form elements and the methods of form elements. (10)
(ii) Explain about Authorization and Security facilities. (6)

15. (a) Explain about Cascading Style Sheets. (16)

(i) Style Sheet Rules

(ii) Styling a Page

(iii) Linking Style Sheets

(iv) Explore Style Properties

(v) Style Sheets and Positioning.

Or

(b) (i) Explain OSI Reference Model. (8)

(ii) Explain about RMI. (8)