

J 1125

B.E./B.Tech. DEGREE EXAMINATION, MAY/JUNE 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. Describe the three parts of an IP address.
2. How does a web browser work?
3. Justify the need for client side scripting.
4. List out the life cycle methods of an applet.
5. What is the difference between static and dynamic web pages?
6. What is a proxy server?
7. What is the difference between CGI and ASP?
8. List out the methods associated with data output stream class.
9. Define the term marshalling and unmarshalling.
10. How is XML different from HTML?

PART B — (5 × 16 = 80 marks)

11. (i) Draw the architecture of Java RMI. Write an RMI application to display a message from the remote server. (10)
- (ii) Write a java program to display the IP address of the system in which that program is running. (6)

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24

12. (a) (i) Explain any four common services provided by internet and explain each service.
(ii) What is a client server model? Name the different types of servers and highlight their usage.

Or

- (b) (i) What is UDP and TCP? What is the difference between them? Explain.
(ii) Explain the features of FTP.

13. (a) (i) List out the differences between SMTP and POP server.
(ii) Summarize the common HTML tags. How is a hyperlink added to a specific web site using HTML tag?

Or

- (b) (i) Write a HTML page in which prompt the user with the message "please enter number of books" and accept the books in a text box. Write a java script to display a message "thanks for your order" "cannot choose more than 10 books" respectively whenever the user enters the number of books in the text box or whenever it changes.

- (ii) How is a CGI script invoked?
(iii) What is the difference between a GET and POST method?

14. (a) (i) How is an applet using HTML tag loaded? Write an example.
(ii) What kind of security issues are associated with applets?

Or

- (b) Write a program to download a web page which has only text information. Assume that the web site address is obtained as command line argument.

15. (a) Consider a HTML form with three text fields and a submit button. Obtain principle, no. of years and rate of interest from user through the text fields. On clicking the button invoke a JSP page and calculate the simple interest and displays that to the user.

Or

- (b) (i) What are the steps involved in JDBC connectivity? Consider a database with name and telephone number. Write a program to update a new row and to delete a row of record. (8)
(ii) Create an XML file for the following structure. Consider at least three records in the XML file. (8)

Roll No.	Name		Date of Birth			Class		Percentage of marks
	First name	Last name	Day	Month	Year	Branch	Semester	