Bachelor Level / Fifth Semester / Science   Full marks: 60
Computer Science and Information Technology(CSC318)   Pass marks: 24
((TU CSIT) Web Technology)   Time: 3 hours
Candidates are required to give their answers in their own words as far as practicable.
The figures in the margin indicate full marks.

Group A

Attempt any Two questions: (2x10=20)

1. Explain the architectural issues of web layer with example.

2. Explain the use of XML in web development. Write internal and external DTD to describe "mail" as a root element and "to", "from", and "subject", and "message" as child elements.

3. Develop a simple Web site that takes first name, last name and address from the user and stores this information in the database. Use JavaScript to validate form data.

Group B

Attempt any Eight questions: (8x5=40)

4. What is the structure of HTML file? Explain with example.

5. Define CSS? How can you use an external CSS? Explain.

6. ## How can you define event handler? Write a Javascript to demonstrate event handling.

7. ## Compare XML schema with DTD.

8. Discuss the use of Cookies with suitable example.

9. ## Why do we need XSLT? Explain XSL <xls:for-each> Element.

10. What is Web server software? Discuss its role on the Internet.

11. Write server-side code to select data stored in the database.

12. Discuss integrated window authentication.

13. Write short notes on:

    a)   SMTP

    b)   XQuery