

**Tribhuvan University**  
**Institute of Science and Technology**  
**2072**

Bachelor Level / Fifth Semester / Science

**Computer Science and Information Technology(CSC318)**

((TU CSIT) Web Technology)

Candidates are required to give their answers in their own words as far as practicable.

The figures in the margin indicate full marks.

Full marks: 60

Pass marks: 24

Time: 3 hours

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**Group A**

**Attempt any Two questions:** (2x10=20)

1. Develop a simple website that stores its contents in a database and displays those contents from the database. Assume at least five different contents.
2. Differentiate between HTTP and FTP. Discuss 3-tier technology with suitable example.
3. What are elements and attributes of XML document? What is XML schema? Differentiate XML schema with DTD. Write a simple example of DTD.

**Group B**

**Attempt any Eight questions:** (8x5=40)

4. What is client/server technology? Discuss Internet as a client/server technology.
5. Write an HTML code to display a simple form for user login.
6. Write an HTML code to display the following:

ID	Name	Address	Age

7. How can you insert inline style sheet in the HTML document? Discuss with example.
8. Write an example of server-side script to update data in the database.
9. Write a simple client-side script to set and retrieve cookies.
10. Discuss the private external declaration of DTD with example.
11. Discuss the importance of session.
12. Discuss anti-overload techniques in webserver.
13. Write short notes on:
  - a. X Query
  - b. Tag libraries