

**Tribhuvan University
Institute of Science and Technology**

2072

Bachelor Level/ First Year/ First Semester/ Science
Computer Science and Information Technology (CSc. 353)
(Web Technology)

Full Marks: 60
Pass Marks: 24

*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:

(2*10=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:

(8*5=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 web server
13. Write short notes on
 - a. X Query
 - b. Tag libraries