

Tribhuvan University
Institute of Science and Technology
2074

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

Group A

Attempt any Two questions: (2x10=20)

1. Define HTTP. Explain the overall function of HTTP with example.
2. Define XML schema. Compare it with DTD. Write a schema to describe "name" as a root element and "first_name", "middle_name" and "last_name" as child elements.
3. Construct a web page that takes name, address, and phone number from the user and stores this information in the database using server side script. Use JavaScript to validate form data for phone number.

Group B

Attempt any Eight questions: (8x5=40)

4. What is HTML? Differentiate between "get" and "post" methods used to send form data.
5. What is CSS? How can you use an internal CSS? Explain.
6. How can you define event handler? Write a JavaScript to demonstrate event handling.
7. What are the advantages of using XML? Explain the rules for writing XML.
8. Discuss the use of Session with suitable example.
9. Why do we need XSLT? Explain XSL<xsl:if> Element.
10. What is web client? Discuss its role on the internet.
11. Write a server-side code to insert data in the database.
12. Discuss about authentication by IP addressing and domain.
13. Write short notes on:
 - a) POP
 - b) XPath