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. Design a form containing text box for username, password field for password, radio button for gender and checkbox for hobbies. Write a program for client-side validation of the form for the username and password field as required fields, length of username should be 5, the radio button and checkbox should be checked.

2. What is the use of XSLT? Create a XML file with elements and elements having attributes. Write the equivalent XSLT of the XML for rendering as a HTML document in a browser.

3. Prepare a form that should contain text box for name and email, selection list for country. Write a server side script to store data from the form into database. The script should contain connection to database and appropriate query into the database.

Group B

Attempt any Eight questions: (8x5=40)

4. How external style sheets can be inserted in a HTML document? Illustrate with example.

5. What do you mean by cookie? Write a Javascript code to handle cookie?

6. Write HTML script for displaying table with following output.

Drinks	Snacks
1. Coke 2. Sprite	Momo
• Milk • Coffee	Chowmin

7. What are the visibility and display properties of HTML elements? Explain with example.

8. Describe HTTP with its header fields.

9. Discuss different types of client server architectures.

10. Consider a XML file containing element name city <city> </city>. Now write its equivalent XSD to limit the content of city to a set of acceptable values from "PKR", "KTM", "NPJ".

11. **How attributes and elements are defined in a DTD? Illustrate with an example.**

12. **How session handling is done in server side scripts?**

13. **Write short notes on:**

    a) XML Namespace

    b) HTML DOM