

Tribhuvan University  
**Institute of Science and Technology**

2076



Bachelor Level / Third Year /Six Semester/Science  
**Computer Science and Information Technology (CSc. 353)**  
**(Web Technologies)**

Full Marks: 60  
 Pass Marks: 24  
 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.

**Section 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. [10]
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. [2+8]
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. [10]

**Section B**

**Attempt any Eight questions.**

[8x5=40]

4. How external style sheets can be inserted in a HTML document? Illustrate with example. [5]
5. What do you mean by cookie? Write a JavaScript code to handle cookie? [1+4]
6. Write HTML script for displaying table with following output. [5]

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

7. What are the visibility and display properties of HTML elements? Explain with example. [5]