

**Tribhuvan University  
Institute of Science and Technology**

**2069**

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. Explain the 2-Tier, 3-Tier and n-Tier technology with its architecture.
2. Create a small XML file designed to contain information about student performance on a module. Each student has a name, roll no, a subject mark and an exam mark.
3. Using test structuring toys, create a homepage for the curriculum vitae. Save at web server that is local or on the internet. Later view it using the browser.

**Group 'B'**

**Attempt any Eight Questions:**

**(8\*5=40)**

4. Explain the uses of a web server.
5. Explain the SMTP with example.
6. What are the color attributes in HTML? Explain.
7. What are the important uses of cookies? Give some examples.
8. Explain the client/server concepts of web.
9. How is XML defined? What are the benefits of using XML namespace?
10. What are the various contents of an element in a DTD? Explain.
11. What are the essential features of web browser? Explain.
12. Describe the significance of IP addresses and their types.
13. Differentiate between file handling and form handling.