

Tribhuvan University
Institute of Science and Technology
2081
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Bachelor Level / Third Year /Fifth Semester/Science
Computer Science and Information Technology (CSC318)
(Web Technology)
(NEW COURSE)

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.

[2×10=20]

1. Describe the rules for creating XML document. Create a XML file with simple type and elements with attribute and nested elements. Write its equivalent XSD. [3+3+4]
2. Create an HTML file containing form with textbox, select, and radio button. Now write javascript function for validating the form elements. Validate textbox for required, select field should have some value selected and the radio button should be checked. [10]
3. Write a PHP program to create a form. Create an insertdb() method to insert the form values into a database table and displaydb() to display the database table values. [10]

Section B

Attempt Any EIGHT questions.

[8×5=40]

4. Describe client server architecture with its types. [5]
5. Write a HTML script to create a table with three rows and three columns. The second row third column should contain a text "TU" with link set to www.tu.edu.np . The height of second row should be set to 200px. [5]
6. What is onload event in HTML? Write an HTML script that displays alert message "Hello Nepal" in onload event. [2+3]
7. How internal and external CSS differ from each other. Illustrate with examples. [5]
8. How can you define array in javascript? Create an array Fruit with its elements "apple", "banana", "mango", "grape" and print the array. [5]
9. How can you transform XML document into HTML using XSLT. Support your answer with an example. [5]
10. Write a PHP function add that takes two arguments as an input and returns their sum. [5]
11. Define cookie. Write PHP program to create and retrieve a cookie. [1+4]
12. What is text-overflow property in CSS? How can you use clip and ellipsis in text-overflow? [1.5+3.5]