Tribhuvan University

Faculty of Humanities & Social Sciences
OFFICE OF THE DEAN
2023

Bachelor in Computer Applications
Course Title: Web Technology   Full Marks: 60
Code No: CACS 205   Pass Marks: 24
Semester: III   Time: 3 hours
Candidates are required to answer the questions in their own words as far as possible.

Group B

Attempt any SIX questions.   [6×5 = 30]

2. What is an image map? Describe the key steps involved in creating a client image map in HTML using necessary tags and attributes.   [1+4]
3. What is session? Explain how session works with proper example.   [1+4]
4. What is CSS? Explain CSS Box model along with its related properties and example.   [1+4]
5. What is tier Architecture? Differentiate two-tier technology with three-tier technology.   [1+4]
6. What is web server? Explain different functions of web server.   [1+4]
7. What is well formed XML? Explain different ways of DTD implementation for XML documents.   [1+4]
8. Define XPath? Explain different elements required to create XSLT document.   [1+4]

Group C

Attempt any TWO questions.   [2×10=20]

9. Design form to accept name, email, phone, gender, country and validate them using server side script with following rules and store them into database called "store" and table "information".   [3+4+3]
   - All fields are required.
   - Phone number must contain 10 digit
   - Email must be valid format

10. Write HTML and CSS code to design following layout.

Phone:01-545454545 Address: Kirtipur, Kathmandu		Social Media List (Link)
Logo[Image] Website Name[h1]		
Menu		
Recent Posts • Post1 title • Post2 title • Post3 title • Post4 title • Post5 title	[Image] Description...........................(paragraph)	
Copyright © Your site name		

11. Write a valid and well-formed xml to store details of visitor list of ABC College with following details and validate record with following information.   [4+3+3]
   - Record must include details of name, mobile, department, related contact person, date, entry time, exit time and visitor number as attribute.
   - Mobile must be 10 digit.
   - Visitor may not have any contact person.
   - Record must belongs to Admin, IT, Account and Exam Department.