Tribhuvan University
Faculty of Humanities & Social Sciences
OFFICE OF THE DEAN
2024

Bachelor in Computer Applications

Course Title: Web Technology

Code No: CACS 205

Semester: III

Full Marks: 60

Pass Marks: 24

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 CSS? Explain the method of using CSS on the web page.   [2+3]
3. What is XML? Write rules to create XML document with example.   [1+4]
4. Explain HTML form elements with suitable example.   [2+3]
5. What is XPath? Write XSLT code to display your books information (Title, price ISBN, subject code) store into XML.   [1+4]
6. Why server side programming is important for web development? Explain with its major features.   [5]
7. Why session is important for web development, write a server side script to create, store, retrieve and remove session and cookie.   [2+3]
8. Explain multi-tier technology with its advantage and disadvantages.   [2+3]

Group C

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

9. Write a server side script for implementing login. Your program should take username and password as input and redirect to home page if validated other wise prints an error try again.   [10]

10. Compare XML Schema with DTD. Write XML schema to describe student as root element, name as child element with first_name, middle_name, last_name, city as child elements with its content "KTM","PKR","LPT" and rollno as its's attribute.   [3+7]

11. Create web page with following details.   [10]
    a) Create basic structure   [2]
    b) Add header section to the top of page which contain logo and search bar. [2]
    c) Create two column layout of (25%,75%) width and put unordered list into first one and image gallery into second one. [2]
    d) Add footer section, which includes address of company and copyright information. [2]
    e) Also add some basic CSS using external stylesheet.[2]