Nepal College of Information Technology

Subject: Web Technology   Full Marks: 100

Time: 3 Hours   Year: 2011

1.

   a. What do you mean by protocols? Explain the use of following protocols: [8]

        i. HTTP   ii. DHCP   iii. POP3   iv. IMAP

   b. Explain the components of HTML.   [7]

1.

   a. Create the following layout in HTML.   [8]

   b.

Header Area...		
Top Menu Bar		
Left menu area	Center Content Area	Right Menu Area
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   Explain the use of following tags   [7]

   <BLOCKQUOTE>, <TH>, <center>, <h5>, <pre>, <address>, <big>, <cite>, <code>, <em> <bd> ,<small>, <strike>, <sub>, <strong>, <sup>, <u>, <span> <noscript>

2.

   a. What is the use of META Tag? Explain with example.   [7]

b. Why CSS is important in Web Technology? Also what do you mean by table-less design? Explain with example. [8]

3.

a. Write a program in Javascript to display a digital clock in a web page. [7]

b. What are the advantages of Javascript? Why javascript is known as Object Based Programming rather than OOP? [8]

4.

a. What is XML? What are its advantages? [7]

b. What is XML data validation? How can you validate a XML document? Explain with Example. [8]

5.

a. What do you mean by CGI Programming? How can we use Perl programming language for CGI? Explain with example. [8]

b. Write a program in PHP to display the multiplication table of 5. [7]

6. Write short notes on any two: [5x2=10]

a. Document Object Model

b. XSLT

c. Types of Scripting Language