USN | | | | | | | | | | 13MCA15

Introduction to Web Technologies

Time: 3 hrs.   Max. Marks:100

Note: *Answer any FIVE full questions.*

1   a.   Define the following terms :
      i) URL   ii) Domain Name   iii) MIME   iv) POST
                                                                 (08 Marks)
   b.   Explain HTTP protocol in detail.   (12 Marks)

2   a.   Explain Domain Name system.   (05 Marks)
   b.   Write short note on web server.   (05 Marks)
   c.   What is web security? Describe the security issues of web transactions.   (10 Marks)

3   a.   Using XHTML form controls create a new user sign up XHTML page for a social
      networking site which collect information like name, date of birth, email, gender, user
      Name, password, place etc.,   (10 Marks)
   b.   Explain the various selector forms in CSS with examples.   (10 Marks)

4   a.   List the usage of JavaScript in web applications.   (05 Marks)
   b.   Explain string object in JavaScript with example.   (05 Marks)
   c.   Explain screen output and keyboard input statements available in JavaScript with examples.
                                                        (10 Marks)

5   a.   What is DOM? Explain the various ways to access elements in JavaScript. (03 Marks)
   b.   Write a JavaScript function to display the browser name and browser version. (07 Marks)
   c.   Construct the DOM tree structure for the following XHTML document.

```
< html >
    < head >
        < title > Dom < /title >
    < /head >
        < body >
            < h1 > DOM TREE </h1>
        < /body >
    < /html >
```
                                                       (10 Marks)

6   a.   Write a program using JavaScript and XHTML that contains three images stacked on top of
      each other, with only enough of each showing so that the mouse cursor can be placed over
      some part of them. When the cursor is placed over the exposed part of any image, it should
      rise to the top to become completely visible.   (10 Marks)
   b.   Explain the various approaches for positioning elements with examples.   (10 Marks)

7   a.   Write short notes on :
      i) DTD   ii) XSLT
                                                        (10 Marks)
   b.   Create a XML file to store name and phone number of a person and display the XML
      document by applying styles using CSS.   (10 Marks)

8   a.   Explain the various control statements in PERL with example.   (10 Marks)
   b.   Explain Array declaration, definition and array methods in PERL.   (10 Marks)

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