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P.E.S. College of Engineering, Mandya - 571 401

(An Autonomous Institution affiliated to VTU, Belgaum)

Seventh Semester, B.E. - Computer Science and Engineering

Semester End Examination ; Dec. - 2014

Web Technologies

Time: 3 hrs   *Max. Marks: 100*

Note: *Answer FIVE full questions, selecting at least TWO full questions from each part.*

PART - A

1. a. Briefly explain the following: 6

     i) Web Server   ii) MIME   iii) URL

   b. Give Syntax and example for the following tags :   4

     i) <a>   ii) <img>

   c. What is HTTP? Explain HTTP request and Response phase with example.   10

2. a. Create a simple XHTML page which demonstrates the use of three types of risks. 10

   b. What is CSS? Describe the different levels of style sheets and their precedence. 6

   c. List and explain any three types of selector forms with example.   4

3. a. Explain the basic structure of Java script. Discuss different ways in which Java script can be embedded in XHTML document. Give example for each.   10

   b. Explain regular expression available in Java script. Write XHTML document to accept name and age. Validate both fields using regular expression.   10

4. a. What is DOM? Describe DOM Structure for simple document.   6

   b. Describe approach to addressing XHTML elements using;   6

     i) Forms and elements   ii) Name attribute   iii) Get Element By Id

   c. What is an event and event handler? List any five most commonly used attributes related to events, tags that can include the attributes and circumstances under which the associated events are treated.   8

PART - B

5. a. What is positioning of elements? Explain the various types of positioning elements with example.   6

   b. Write Java Script code that illustrates dynamic stacking of images.   8

   c. Explain the following properties with example: 6

     i) Z-index   ii) Visibility   iii) Set timeout

6. a. Why would you use CSS-style sheet for an XML document.   4

   b. How does an XSLT processor use an XSLT style sheet with an XML document?   6

  c. Write a note on :

    i) XML schema data types

    ii) Namespaces   10

    iii) DTD

7 a. List and explain commonly used string functions in PHP with example.   10

  b. Explain how array are created, accessed and modified in PHP with example. Also discuss

    Array functions.   10

8 a. Explain briefly the file handling facilities provided by PHP with example.   10

  b. Explain the following with respect to PHP:

    i) Form handling

    ii) Session tracking   10

    iii) Cookies.

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