U.S.N

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

(An Autonomous Institution affiliated to VTU, Belgaum)

First Semester, Master of Computer Applications (MCA)

Semester End Examination; Jan - 2017

Introduction to Web Technologies

Time: 3 hrs *Max. Marks: 100*

*Note: Answer **FIVE** full questions, selecting **ONE** full question from each unit.*

UNIT - I

1 a.	Briefly explain the following : i) Web server ii) URL iii) MIME.	10
b.	Explain HTTP protocol in detail.	10
2 a.	Explain SMTP with a neat diagram.	10
b.	Write short notes on : i) Search Engines ii) Application Server.	10

UNIT - II

3 a.	Explain syntactical differences between HTML and XHTML. Describe standard XHTML document structure.	10
b.	Explain the following with example : i) Heading tags ii) Image tag iii) Hyperlink iv) Definition list.	10
4 a.	What are the different levels of style sheets? Give an example code for each.	10
b.	List and explain variety of selector form with example.	10

UNIT - III

5 a.	List the use of JavaScript. Describe string objects in JavaScript, and primitive types in JavaScript.	10
b.	Explain screen output and keyboard input statements available in JavaScript.	10
6 a.	Explain the various event that can be handled in JavaScript.	10
b.	Write a JavaScript function to display the browser name and browser version.	10

UNIT - IV

7 a.	With an example, explain positioning of elements in JavaScript.	10
b.	Write an XHTML with JavaScript program that illustrate stacking of 3 elements.	10
8 a.	Write short notes on : i) DTD ii) XSLT.	10
b.	Explain XML schemas. What are the types of namespace can be used in XML documents. Support your answer with an example.	10

UNIT - V

9 a. Explain various categories of variables in Perl.   10

   b. Explain basics of pattern matching in Perl and also explain substitutions and transliterate
       operators.   10

10a. Describe basics of Perl functions. What is the purpose of the shortcuts in CGI.PM? Explain
      their usage with examples.   10

   b. What is query string? Explain how query string is transmitted with GET and POST method?   10

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