CBCS Scheme

USN ☐☐☐☐☐☐☐☐☐☐   **16MCA13**

First Semester MCA Degree Examination, Dec.2016/Jan.2017
Web Technologies

Time: 3 hrs.   Max. Marks: 80

Note: *Answer FIVE full questions, choosing ONE full question from each module.*

Module-1

1 a. Explain DNS with a neat diagram.   (08 Marks)
   b. Explain HTTP protocol in detail.   (08 Marks)

OR

2 a. Explain SMTP with a neat diagram.   (08 Marks)
   b. Write short note on : i) Search engine ii) Application server.   (08 Marks)

Module-2

3 a. Explain syntactical differences between HTML and XHTML. Describe standard XHTML document structure.   (08 Marks)
   b. Explain the following with example :
      i) Heading tags   ii) image tag   iii) hyper link   iv) definition list.   (08 Marks

OR

4 a. What are the different levels of style sheets? Give an example code for each.   (08 Marks)
   b. List and explain variety of selector form with example.   (08 Marks)

Module-3

5 a. List the uses of JavaScript. Describe string objects in JavaScript.   (08 Marks)
   b. Explain screen output and keyboard input statements available in JavaScript.   (08 Marks)

OR

6 a. Explain the various events that can be handled in JavaScript.   (08 Marks)
   b. Write a JavaScript function to display the browser name and browser version.   (08 Marks)

Module-4

7 a. With example explain positioning of elements in JavaScript.   (08 Marks)
   b. Explain seven various types of dynamism that can be achieved in a dynamic HTML document.   (08 Marks)

OR

8 a. Explain XML schemas. What are the types of namespace that can be used in XML documents? Support your answer with an example.   (08 Marks)
   b. Write short notes on :   i) DTD   ii) XSLT.   (08 Marks)

Module-5

9 a. Explain various control statements in Perl.   (08 Marks)
   b. Explain basics of pattern matching in Perl, and also explain substitutions and transliterate operators.   (08 Marks)

OR

10 a. Describe basics of Perl functions. What is the purpose of the shortcuts in CGI.PM? Explain their usage with examples.   (08 Marks)
   b. What is query string? Explain how query string is transmitted with GET and POST method.   (08 Marks)

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