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13MCA15

First Semester MCA Degree Examination, June/July 2014

Introduction to Web Technologies

Time: 3 hrs.

Max. Marks: 100

Note: Answer any FIVE full questions.

- 1
 - a. What is a web server? Explain its operations and characteristics. (10 Marks)
 - b. What is web security? Describe the security issues of web transactions. (10 Marks)
- 2
 - a. Explain the phases of HTTP protocol. (10 Marks)
 - b. Explain the basic text formatting in XHTML with examples. (10 Marks)
- 3
 - a. Explain standard XHTML document structure with an example. (10 Marks)
 - b. What is CSS? Explain the different selector forms used in CSS with example. (10 Marks)
- 4
 - a. Explain Javascript methods alert(), prompt() and confirm() with example. (06 Marks)
 - b. Write a program to generate Fibonacci numbers using java script. (04 Marks)
 - c. Explain any five array methods used in Java script. (10 Marks)
- 5
 - a. What are the various approaches for accessing elements in Java Script? (10 Marks)
 - b. Explain different types of positioning elements with illustration. (10 Marks)
- 6
 - a. With an example, explain how an XSLT processor uses an XSLT style sheet with an XML document. (10 Marks)
 - b. With example, explain the string handling functions in Perl. (10 Marks)
- 7
 - a. What are the benefits of Perl? What are the basic data types in Perl? (10 Marks)
 - b. What is CGI? Explain creating, reading and deleting a cookie. (10 Marks)
- 8

Write short notes on:

 - a. MIME
 - b. Levels of style sheet
 - c. Ordered and unordered list in XHTML
 - d. Navigator object

(20 Marks)

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Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.
2. Any revealing of identification, appeal to evaluator and/or equations written eg, 42+8 = 50, will be treated as malpractice.