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07MCA43

Fourth Semester MCA Degree Examination, December 2011
Web Programming

Time: 3 hrs.

Max. Marks:100

Note: Answer any FIVE full questions.

- 1
 - a. What is web server? Explain its operations and characteristics. (06 Marks)
 - b. Explain the various phases of HTTP protocol. (06 Marks)
 - c. Explain the various types of lists that can be used in a HTML document, with examples. (08 Marks)

- 2
 - a. What is the difference between HTML and XHTML? Explain. (05 Marks)
 - b. Explain how text formatting is done in XHTML. (05 Marks)
 - c. Write a HTML program to create registration form for a student, with the following details USN, student name, semester, gender, date of birth and also submit and reset buttons. (10 Marks)

- 3
 - a. What are cascading style sheets? List out the benefits. (10 Marks)
Explain three mechanisms by which one can apply style to XHTML documents. Explain with suitable examples.
 - b. Explain the various selector forms used in CSS, with examples. (10 Marks)

- 4
 - a. Describe functions in Javascript. Write an XHTML document and Javascript function to compute and print factorial of a given number. (10 Marks)
 - b. Explain the various events that can be handled in Javascript. (10 Marks)

- 5
 - a. What is DOM? Describe the DOM structure for a simple document. (06 Marks)
 - b. Explain the event propagation and event handler registration, with respect to DOMZ event model. (06 Marks)
 - c. With an example, explain positioning of elements in Javascript. (08 Marks)

- 6
 - a. What is the purpose of DTD? Explain how element attributes are declared in DTD, with an example. (10 Marks)
 - b. What are the two primary tasks of validating XML parser? (04 Marks)
 - c. How does an XSLT process use an XSLT style sheet, with and XML document? (06 Marks)

- 7
 - a. With examples, explain string functions in Perl. (10 Marks)
 - b. What is CGI? How data be passed in CGI using GET and post method? Explain with examples. (10 Marks)

- 8

Write short notes on:

 - a. Web browsers
 - b. Box model with respect to CSS
 - c. Three categories of Perl variables
 - d. Cookies. (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.