

USN

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10MCA43

**Fourth Semester MCA Degree Examination, Dec.2013/Jan.2014**  
**Web Programming**

Time: 3 hrs:

Max. Marks: 100

**Note: Answer any FIVE full questions.**

- 1
  - a. What is the difference between HTML and XHTML? Explain. (04 Marks)
  - b. What is Hypertext transport protocol? Describe the purposes of the five most commonly used HTTP methods. (06 Marks)
  - c. Clearly define the following terms: (i) HTML (ii) XML (iii) WWW (03 Marks)
  - d. Create a student registration form to accept name, age, date of birth, qualification, address, phone number, E-mail id and submit button. (07 Marks)
- 2
  - a. What is the difference in effect of a paragraph tag and a break tag? Explain with example. (03 Marks)
  - b. What are CSS style sheets? What is the advantage of document-level style sheets over inline style sheets? (07 Marks)
  - c. Describe the two way to embed a Java Script in an XHTML document. Give example. (06 Marks)
  - d. What is the purpose of a style class selector and generic class? Give example. (04 Marks)
- 3
  - a. Explain box model with respect to CSS. (03 Marks)
  - b. Explain Javascript methods – alert (), Prompt () and Confirm () with example. (07 Marks)
  - c. Write a program in Javascript to illustrate changing a colors and fonts dynamically and element visibility property. (10 Marks)
- 4
  - a. What is a DOM? Describe the DOM structure for a simple document. (04 Marks)
  - b. Explain basic array function in Javascript with example. (06 Marks)
  - c. Develop and demonstrate, using javascript, a XHTML document collects the USN (the valid format is: A digit from 1 to 4 followed by two upper-case characters followed by two digits followed by three upper-case characers followed by three digits: no embedded space allowed) of the user. Event handler must be included for the form element that collects this information to validate the input. Messages in the alert windows must be produced when errors are detected. (10 Marks)
- 5
  - a. What are DTD and XML schema? Explain how to declare elements, attributes and entities in DTD give example. (10 Marks)
  - b. With an example, explain how an XSLT processor uses an XSLT style sheet with an XML document give example. (10 Marks)
- 6
  - a. What are three categories of perl variables? How are they handling? Give example for each. (04 Marks)
  - b. What are session and cookies? Write a program to creating, reading and deleting cookie. (06 Marks)
  - c. Write a perl program to accept the User Name and display a greeting message randomly chosen from a list of 4 greeting messages. (10 Marks)
- 7
  - a. What is a PHP? What does the chop function do? Give example. (03 Marks)
  - b. Explain PHP access to database with example. (07 Marks)
  - c. How do you create and access an array? (10 Marks)
- 8
 

Write short notes on:

  - a. WSDL.
  - b. Z-index.
  - c. MVC (Architecture)
  - d. CGC.Pm functions.
  - e. Pseudo classes (CSS) (selector form). (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.