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13MCA15

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

Time: 3 hrs.

Max. Marks:100

Note: Answer any FIVE full questions.

- 1
 - a. What are the difference between XHTML and HTML? (05 Marks)
 - b. Explain different phases of HTTP. (10 Marks)
 - c. Explain Webserver and URL. (05 Marks)

- 2
 - a. Create a registration form which accepts User name, USN, Password, confirm password, language (list box); gender (radio button) ; Area of interest (checkbox). Provide two buttons Submit and Reset. (08 Marks)
 - b. Write the XHTML code to display the nested frames as shown below.

Content of Frame 1	Content of Frame 3
Content of Frame 2	Content of Frame 4
	Content of Frame 5
 - c. Explain <div> tag in XHTML with examples. (08 Marks) (04 Marks)

- 3
 - a. Explain the different methods of window objects that create dialog boxes for user interaction in Javascripts. (08 Marks)
 - b. How do you create arrays in javascript? Explain the various array methods with examples. (08 Marks)
 - c. Explain different pattern-matching methods of string in javascript. (04 Marks)

- 4
 - a. What are the different ways for accessing elements in javascript. (08 Marks)
 - b. Write an XHTML program to handle events from Textbox and password elements. (12 Marks)

- 5
 - a. Write an XHTML program to illustrate Dynamic stacking of images. (07 Marks)
 - b. Explain DOM with an example. (05 Marks)
 - c. What is an event and event handler? Explain any two event handler with examples. (08 Marks)

- 6
 - a. What is DTD? Explain how to declare elements, attributes and entities with examples. (10 Marks)
 - b. What is the purpose of XSLT style sheets? Describe XSLT processing with diagram. (06 Marks)
 - c. Write a note on Name spaces. (04 Marks)

- 7
 - a. Briefly describe the 3 categories of variables with examples in Perl. (08 Marks)
 - b. Write a Perl program to calculate the mean and median of a given array. (08 Marks)
 - c. Write a note on Transliterate operator. (04 Marks)

- 8
 - Write short notes on :
 - a. The CGI
 - b. Cookies
 - c. CSS Selector forms
 - d. XML Schemas

(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.