

## Fourth Semester MCA Degree Examination, June 2012

### 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. What is the difference between HTML and XHTML? (04 Marks)
  - c. List and explain the variety of selector forms with example. (10 Marks)
- 2
  - a. Describe 2 ways to embed a java script in an XHTML document. Give example for each. (06 Marks)
  - b. Explain basic array functions in java script. (10 Marks)
  - c. Give examples for pattern-matching methods of string in java script. (04 Marks)
- 3
  - a. Explain the various events that can be handled in java script. (10 Marks)
  - b. Write a java script program to create following form. (10 Marks)

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Fig.Q3(b)

Num 1 or Num 2 if empty display error. Clicking add button should display sum of Num 1 and Num 2 textbox into result text box.

- 4
  - a. What is DTD? Explain how to declare elements, attributes and entities in DTD. (10 Marks)
  - b. With an example, explain how an XSLT processor uses an XSLT style sheet with an XML document. (10 Marks)
- 5
  - a. Explain the basics of pattern matching in perl and also explain substitutions and transliterate operators. (10 Marks)
  - b. What is a cookie? Where is it stored? Explain how to create and delete a cookie. (10 Marks)
- 6
  - a. Create XHTML form with Name, Address line1, Address line2, and Email text fields. On submitting, call PHP program to store the values in MYSQL table. Retrieve and display. The data based on Name. (10 Marks)
  - b. Explain different methods of array creation and give the internal logical structure of an array in PHP. (10 Marks)
- 7
  - a. Explain the built-in methods for arrays and lists in Ruby. (10 Marks)
  - b. Write a program to read list of person's names, and display all names in alphabetic order after converting all to uppercase. (10 Marks)
- 8
 

Write short notes on:

  - a. DOM
  - b. CGI pm functions
  - c. Query string
  - d. Navigator object. (20 Marks)