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Seventh Semester B.E. Degree Examination, June/July 2014

Programming the Web

Time: 3 hrs.

Max. Marks:100

Note: Answer FIVE full questions, selecting at least TWO questions from each part.

PART – A

- 1 a. Explain the task of a DNS name server. (06 Marks)
- b. Give syntax and an example to each of the following tags: (10 Marks)
 - i)
 - ii) <a>
 - iii) <sup>
 - iv) <sub>
 - v) <pre>
- c. Explain the syntactic differences between HTML and XHTML. (04 Marks)
- 2 a. Explain different lists available in HTML with an example. (06 Marks)
- b. Explain the following terms related to HTML table: (06 Marks)
 - i) cell padding and spacing
 - ii) borders
 - iii) nested tables
- c. Create a HTML document that has the form with the following controls: (08 Marks)
 - i) A text box to collect the customer's name.
 - ii) Four check boxes, one each for the following items:
 1. Four HTML text books for ` 1000.
 2. Eight XML text books for ` 2000.
 3. Four Javabeans books for ` 2500.
 4. Eight UML textbooks for ` 1500.
 - iii) A collection of three radio buttons that are labeled as follows:
 1. Cash
 2. Cheque/DD
 3. Credit card
- 3 a. How many levels of style sheet are there? Explain their usage, with syntax and example. (06 Marks)
- b. Write an XHTML document that contains three short paragraphs of text, stacked on top of each other, with only enough of each showing, so that mouse cursor can always be placed over some part of them. Write Javascript code so that mouse cursor is placed over the exposed part of any paragraph, it should rise to the top to become completely visible. (08 Marks)
- c. What are the selector forms? Explain with an example, different types of selector forms with syntax. (06 Marks)
- 4 a. Explain briefly about Java Script. How we can differentiate Java Script and Java. (06 Marks)
- b. Explain with examples, the screen output and keyboard input methods. (05 Marks)
- c. Differentiate == and === operator in Java Script with an example. (03 Marks)
- d. Write a Java Script to accept three numbers, using the prompt method. Find and display the largest of three using alert method. Use predefined function Math.max. (06 Marks)

PART – B

- 5 a. The document has five buttons labeled red, blue, green, yellow and orange. The event handlers of these buttons must produce message stating the chosen favorite color and chosen color should be changed to background color of body. (12 Marks)
- b. What exactly does the string method replace and match do? (04 Marks)
- c. With an example, explain on focus event in Java Script. (04 Marks)

- 6 a. Develop an XHTML document that has checkboxes for apple (59 cents each), orange (49 cents each) and banana (39 cents) along with a submit button. Each of these checkboxes should have its own on click event handler. These handlers must add the cost of their fruit total cost. An event handler for the submit button must produce an alert window with the message. Your total cost is `xxx` where xxx is the total cost of the chosen fruit including 5 percent sales tax. This handler must return false. (12 Marks)
- b. With examples, explain absolute and relative positioning of elements in Java Script. (08 Marks)
- 7 a. Define an XML schema. Show how an XML schema can be created. (08 Marks)
- b. What are the advantages of a SAX parser over DOM parser? (06 Marks)
- c. Explain how XSLT works with neat illustrations. (06 Marks)
- 8 a. Describe with an example, the various types of variables in perl. (06 Marks)
- b. With examples, explain string functions in PERL. (05 Marks)
- c. Explain the fundamentals of arrays in perl. (03 Marks)
- d. Write a perl program to read three numbers a, b and c each on its own line, from the keyboard and display the greatest number. (06 Marks)
