10CS73

Seventh Semester B.E. Degree Examination, Dec.2017/Jan.2018
Programming the Web

Time: 3 hrs.   Max. Marks:100

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

PART – A

1 a. Describe with figure how domain name conversion happens on the web. **(05 Marks)**
   b. Explain the syntactic differences between HTML and XHTML. **(05 Marks)**
   c. Explain the following tags with examples: (i) img   (ii) a   (iii) pre   (iv) sub
      (v) meta **(10 Marks)**

2 a. Explain the different levels of style sheets. **(06 Marks)**
   b. Create, test and validate an XHTML document that defines a table with columns for states, state bird, state flower and state trees. There must be atleast three states as rows in the table. Include cellpadding and cellspacing attributes. **(07 Marks)**
   c. With a neat figure of box model. Explain borders, margin and padding. **(07 Marks)**

3 a. Explain the Javascript string property and methods with example. **(06 Marks)**
   b. Write a Javascript to check validity of a mobile phone number. **(05 Marks)**
   c. Explain any six Javascript array methods. **(09 Marks)**

4 a. What are the three ways of accessing XHTML document elements in Javascript? **(08 Marks)**
   b. Explain the following with an example, (i) Stacking of elements   (ii) Element visibility
      (iii) Absolute positioning (iv) Dynamic content. **(12 Marks)**

PART – B

5 a. Create a XML document for one student of VTU to illustrate XSLT formatting. Create XSLT style sheet by child templates. **(10 Marks)**
   b. Create a XML document that lists ads for used airplane. Create a DTD for the same document. **(10 Marks)**

6 a. Explain the Arrays and Hashes in Perl. **(08 Marks)**
   b. Explain session and cookies in Perl. **(06 Marks)**
   c. Write a note on CGI-PM module. **(06 Marks)**

7 a. List and explain any 6 commonly used string functions in php. **(07 Marks)**
   b. Write a note on php files. **(07 Marks)**
   c. Explain session tracking in web applications. **(06 Marks)**

8 a. Describe briefly the MVC architecture and the ORM used by rails. **(08 Marks)**
   b. Write a note on methods in Ruby. **(06 Marks)**
   c. Explain the layouts with respect to rails. **(06 Marks)**

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