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)**

* * * * *