Seventh Semester B.E. Degree Examination, Aug./Sept. 2020
Programming the Web

Time: 3 hrs.   Max. Marks:100

Note: *Answer FIVE full questions, selecting atleast TWO questions from each part.*

PART – A

1. a. What is a internet? What is the task of a DNS Name Server? **(06 Marks)**
   b. Explain the hypertext transfer protocol. **(10 Marks)**
   c. Give and explain the syntax of the following :
      i) <meta> ii) <img> iii) <a> iv) <blockquote>. **(04 Marks)**

2. a. Create a XHTML document to describe a table with the following contents of the column of a table must have the heading's pinc, maple, oax and fir the rows must have the labels average height, average width typical lifespan and leaftype include align, cellspacing and cell padding. **(10 Marks)**
   b. Explain the different selector forms provided in CSS. Illustrate the use of each with suitable example. **(10 Marks)**

3. a. Explain with a example the screen output and key board input method in JavaScript. **(06 Marks)**
   b. Write a XHTML document and JavaScript function to validate the USN (2XX15XX999) and mobile number (99999 – 99999). **(08 Marks)**
   c. Write a JavaScript function to find median of an array numbers. **(06 Marks)**

4. a. What is an event and event handler? Write a XHTML document and event handling in JavaScript to handle the event from body and button elements with example. **(10 Marks)**
   b. Explain the different types of positioning with example. **(06 Marks)**
   c. What event can be used to change font when the mouse cursor is moved over and away from an element? With example. **(04 Marks)**

PART – B

5. a. How elements and attributes are declared in DTD give a sample DTD for defining an airplane. **(10 Marks)**
   b. Explain why CSS style sheet is required for XML document with example. **(04 Marks)**
   c. How elements and attributes are declared in DTD give a sample DTD for defining on airplane. **(06 Marks)**

6. a. What are the three categories of Perl variables with example? **(06 Marks)**
   b. How files are handled in Perl? List files use specification and their meaning. **(08 Marks)**
   c. What is a query string? How is it transmitted to the server with Get and Post methods? **(06 Marks)**

7. a. Explain the array creation in PHP. **(10 Marks)**
   b. How can the value of a form element be accessed by PHP script with example. **(10 Marks)**

8. a. Explain the different ways to create arrays in Ruby. Write a Ruby program to illustrate the use of array a list of line text where each line is a person name all letters are converted to uppercase in alphabetical order. **(08 Marks)**
   b. Define a class. Define Ruby class to implement a stage like structure in an array. **(08 Marks)**
   c. Explain the over-view of Rails. **(04 Marks)**

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