USN ☐☐☐☐☐☐☐☐☐☐ **10CS73**

Seventh Semester B.E. Degree Examination, June/July 2019
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.   What is HTTP? Explain HTTP phases. Mention various methods and status codes of HTTP.
            (10 Marks)
   b.   Give the standard structure of XHTML document. How line breaks, heading and fonts are handled in XHTML?   **(10 Marks)**

2   a.   Create XHTML document to describe a table with the following contents: The columns of the table must have the headings pine, maple, Oak and fir. The rows must have the labels average height, average width, typical life span and leaf type. Fill the data cells with some values.   **(10 Marks)**
   b.   Write an XHTML document that has six short paragraphs of text. Define three different paragraph styles p_1, p_2 and p_3. The p_1 style must use left and right margins of 20 pixels, a background color of pink and a foreground color of blue. The p_2 style must use left and right margins of 30 pixels, a background color of black and a foreground color of yellow. The p_3 style must use a text indent of 1 centimeter, a background color of green and a foreground color of white. The first and fourth paragraph must use p_1, the second and fifth must use p_2 and the third and sixth must use p_3.   **(10 Marks)**

3   a.   Explain the screen output and keyboard input method, with example.   **(10 Marks)**
   b.   Write XHTML document and JAVA script code to implement, to count the number of names in the given array that end in either "ie" or "y".   **(05 Marks)**
   c.   Write a note on character and character classes.   **(05 Marks)**

4   a.   Explain the basic concepts of event handling. List the events and their tag attributes.
            (12 Marks)
   b.   With an example, explain absolute and relative positioning of elements in JAVA script.
            (08 Marks)

PART – B

5   a.   What is the Document Type Definition (DTD)? Describe the approach to declare elements, entities and attributes.   **(08 Marks)**
   b.   Create an XML documents that lists advertisement for selling used cars.   **(06 Marks)**
   c.   With a neat diagram, explain transformation process by an XSLT processor.   **(06 Marks)**

6   a.   Write a perl program which creates a hash table containing country names keys and their capitals as values and perform the following:
     i) Print all pair of values (country name and capital)
     ii) Accept country name and print the capital of it.   **(10 Marks)**
   b.   With an example, explain how files are handled in PERL.   **(10 Marks)**

7 a. Describe how files are created, read and write on the server system using PHP. **(10 Marks)**
   b. Explain any six string function in PHP. **(06 Marks)**
   c. Explain the different types of scalar types are available in PHP. **(04 Marks)**

8 a. Discuss the different pattern matching operations are available in ruby with example each.
   (08 Marks)
   b. Build a rail's application to accept book information viz accession number, title, authors, edition and publisher from a web page and store the information in a database and to search for a book with the title specified by the user and to display the search result with proper headings. **(12 Marks)**

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