10CS73

USN

Programming the Web

Time: 3 hrs.

Max. Marks:100

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

PART – A

1 a. Describe fully qualified domain name with a neat diagram. **(05 Marks)**
   b. Explain in detail the request phase of HTTP. **(05 Marks)**
   c. Explain the following tags with its syntax and examples (any three) :
      <pre>. <img>, <sub>, <a>. **(05 Marks)**
   d. List out the difference between HTML and XHTML. **(05 Marks)**

2 a. Create XHTML document to describe the following table. And fill the related data in the cells provided for it. (keep all data in centre). **(10 Marks)**

	PINE	MAPLE	OAK	FIR
Average height				
Average width				
Life span				
Leaf type				

   b. Write short notes on any TWO :
      i) Style sheets   ii) Selector forms   iii) <span> and <div> tags. **(10 Marks)**

3 a. Describe briefly the three major uses of JavaScripts on the client side. **(06 Marks)**
   b. Write the JavaScript and XHTML program for the following programs. Display proper output using Alert method.
      i) Input is on integer number and output is a factorial of that number
      ii) Input is an integer number and output is cube of a given number. **(06 Marks)**
   c. Write a program in JavaScript and XHTML for determining the following. Display the proper output messages using Alert method.
      i) Input USN format is (DAADDAADDD)
      ii) Check for : i) Empty string ii) Correct formal   iii) Incorrect format. **(08 Marks)**

4 a. Write a XHTML a JavaScript programs for determining the two given passwords are correct or not. Display the proper message when a submit button pressed and clear the passwords on press of cancel button. **(07 Marks)**
   b. Explain the load and unload events using navigator object. **(04 Marks)**
   c. Explain the following with an example any three :
      i) Absolute positioning   ii) element visibility
      iii) dynamic content   iv) stacking of elements. **(09 Marks)**

PART – B

5 a. What is DTDI? What are the main advantages of XML schema over DTD? **(06 Marks)**
   b. Write a note on :
      i)   Internal and external DTD's
      ii) XML namespaces
      iii) XML processors. **(09 Marks)**
   c. With a neat diagram, explain the XSLT processing. **(05 Marks)**

6 a. What are the three ways the PERL arrays differ from the way of other common higher language programs? Give the example for each. **(06 Marks)**
   b. Expand PERL. And write a program for displaying various server information like, servername, serversoftware, server port, CGI version. **(05 Marks)**
   c. Write a PERL program to keep track of the number of visitors visiting eh web page. Display the visitors count in proper heeding. **(05 Marks)**
   d. Write a note on CGI-PM module. **(04 Marks)**

7 a. What is Cooki? How it can be created in PHP script. **(06 Marks)**
   c. Write a note on arrays in PHP. **(05 Marks)**
   c. What is session tracking? Write a PHP script for justify the session tracking. **(06 Marks)**
   d. Expand PHP. List out two uses of PHP. **(03 Marks)**

8 Write short notes on any four :
   i) Ruby   ii) Layouts in rails   iii) The box model
   iv) MIME type specification   v) Query string format in PERL. **(20 Marks)**

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