

**Govt. of Karnataka, Department of Technical Education**  
Diploma in Computer Science & Engineering

**Fifth Semester**

**Subject: Web Programming Lab**

**Contact Hrs / week: 6**

**Total hrs: 96**

	<b>Dynamic Documents with Java Script</b>
1	The document must have a paragraph of text that describes your home. Choose atleast three different phrases (3 to 6 words) of this paragraph and make them change font, font style, color and font size when the mouse cursor is placed over them. Each of the different phrases must change to different fonts, font styles, colors and font sizes
2	The document must contain four short paragraphs of text stacked on top of each other with only enough of each showing so that the mouse cursor can also be placed over some part of them. When the cursor is placed over the exposed part of any paragraph it should raise to the top to become completely visible.
3	The document should have a small image of yourself, which must appear when the mouse button is clicked at the position of the mouse cursor, regardless of the position of the cursor at the time.
4	The document must contain the statement “Save time with TIMESAVER 2.2”, which continuously moves back and forth across the top of the display
	<b>XML</b>
5	Design an XML document to store information about patients in a hospital. Information about patients must include name (in 3 parts, first name, middle name, last name), social security number (SSN), age, room number, primary insurance company – including member identification number, group number and address – secondary insurance company (in the same sub parts as for the primary insurance company), known medical problems, and known drug allergies. Both attributes and nested tags must be included. Make up sample data of atleast 4 patients.
6	Create a CSS style sheet for the above XML document and use it to create a display of that document
7	Create XSLT style sheet for one patient element of the XML, document of exercise 5 and use it to create a display of that element.

8	Modify the XSLT style sheet to format all the patient elements of the XML, document of exercise 5 and use it to create a display of whole element.
	<b>PHP- Write, test and debug PHP scripts for the following specification</b>
9	Parameter - A string of numbers separated by spaces Return Value – The first 4 digits number in the string; false if none.
10	Parameter – A file variable of a file of text where the words are separated by spaces or colons Return value – The word that appears most common in the file.
11	Write an XHTML document to include an anchor tag, that calls a PHP document also write the called PHP document which returns a randomly chosen greeting from a list of five different greetings. The greetings must be stored as constant strings in the script. A random number between 0 and 4 can be computed with these line. #set the seed for mtrand with the number of microseconds #since the last full second of the clock mt_strand((double) microtime() * 1000000); \$number=mtrand(0,4); #computes a random integer 0-4
12	Write the XHTML code to create the form with the following capabilities a) A text widget to collect the users name b) Four check boxes, one each for the following items i) Four 100 watt light bulbs for Rs. 20=39 ii) Eight 100 watt light bulbs for Rs 40=20 iii) Four 100 watt long life light bulbs for Rs. 30=95 iv) Eight 100 watt long life light bulbs for Rs 70=49 c) A collection of 3 radio buttons that are labeled as follows i) Visa ii) Master Card iii) Discover
13	Write a PHP script that computes the total cost of the ordered light bulbs from the exercise 12 after adding 13.5% VAT. The program must inform the buyer of exactly what was ordered in table.
14	Write a XHTML code to create a form that collects favorite popular songs, including the name of the song, the composer and the performing artist or group. This document must call one PHP script when the form is submitted and another to request a current list of survey results.
15	Write a XHTML code to provide a form that collects names and telephone numbers. The phone numbers must be in the format ddd-ddd-dddd. Write a PHP script that checks the submitted telephone number to be sure that it confirms to the required format and then returns a response that indicates whether the number was correct.
16	Modify the PHP script of exercise 11 to count the number of visitors and display that number for each visitor.

	Hint: Use a file to store current count.
17	Accept from the user name, phone no , mail-ed ,store in database . retrieve same information from database using a separate PHP script.
18	Learn to install Joomla/Wordpress/Drupal . ( <b>Not for exam</b> )

#### Reference

1. Programming the World Wide Web, 4<sup>th</sup> edition, Robert W.Sebesta , Pearson Education, ISBN- 9788131724170
2. Web Programming – Building Internet Applications, 3<sup>rd</sup> edition, Chris Bates, Wiley publisher
3. Web Technologies— HTML,JavaScript,PHP,java,JSP,ASP.Net,XML & Ajax – Black Book, Wiley, ISBN : 978-81-7722-997-4

#### Scheme of valuation

1	Record	05
2	Write one program from Java scripting or XHTML	15
3	Writing one from program from PHP	15
4	Executing two programs	40
5	Result	05
6	Viva Voce	20
	<b>Total</b>	<b>100</b>