Govt. of Karnataka, Department of Technical Education

Diploma in Information Science & Engineering

Third Semester

Subject: WEB DESIGN LAB

Contact Hrs / week: 6   **Total hrs: 96**

Part- A

Define the following :

Web site, Web Page, Types of Web Pages, Browsers & their types, Client –Server Model,   Web –Server, Working of different types of Web Pages, General structure of a Web Page, Scripting languages, URL, Popular Search Engines, WWW

Illustrate Html tags & their attributes:

Head, title, body, comments, div, <h1>……<h6>, hr, br, span, <em>,<p>,<pre>,<strong>,<marquee>,<sup>,<sub>, <b>, <big>,<font>,<i>,<small>,<s>,<u>,All tags pertaining to lists, <a>:text as links and images as links, all table related tags, all tags related to Frames, forms & all form elements, CSS, Adding images using <img >tags & setting an image as background, embedding a multimedia on to a web page(video, audio, zip)

MINI-Project (**Max -2 students in a batch**)

Design a static web site having a minimum of 6 web pages using all the html features studied.

Part-B

Client side scripting using JavaScript

Introduction to JavaScript, data types, operators, control structures, arrays & Strings and procedures

1. Write a menu-driven script to perform all arithmetic operations.

2. Write a script to check whether the given number is prime or not.

3. Write a script to search for an element in an array of n elements.

4. Write a script to illustrate a subroutine.

5. Write a script to compute the GCD of 2 numbers using Function.

6. Write a script to find the second largest number in an array.

7. Write a script to check whether the given integer is Palindrome or not.

8. Write a script to illustrate different in-built String functions.

Scheme of valuation

1	Record	05
2	Writing two programs one each from part A & part B	10 +10 = 20
3	Entering and Executing both programs (Part A + Part B)	10 + 20 = 30
5	Demonstration of Mini project	20
6	Viva-Voce	25
	Total Marks	**100**

Note : 1. Internet facility to be provided

2. _Two_ theory hours and _Four_ practical hours to be handled per week

References:

1. JavaScript Bible, Sixth Edition, Wiley-India Edition.

2. Internet & World-Wide Web How To Program, pearson edu,Deitel 4th Ed.,

3. Web design Technology S.Chand & comp. Ltd. D.P.Nagapal.

4. HTML Black Book by Holzner. Wiley publications.