IT502 Web Designing

List of Experiments
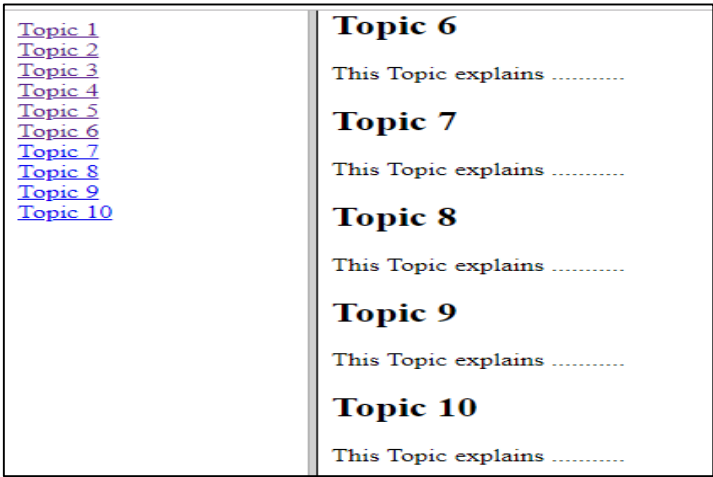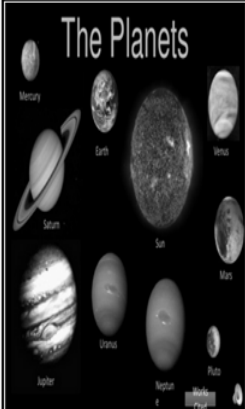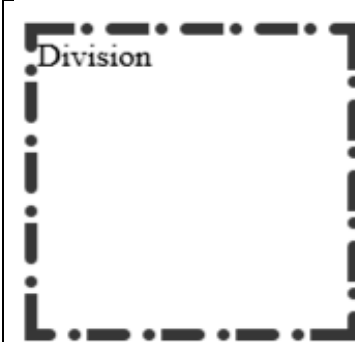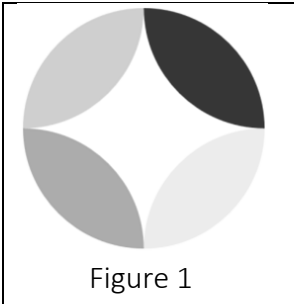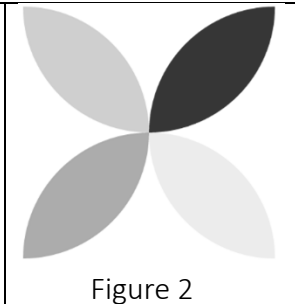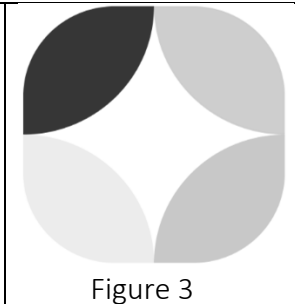
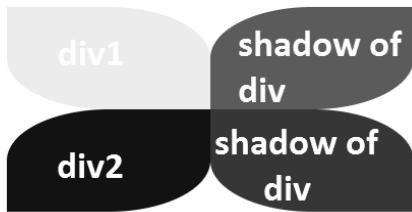| Sr. No.	List of Experiments	No of hours allotted	Mapped CLO
1	**HTML Concepts:** A. Design a web page which contain the any topic of any course. Use various HTML tags (i.e. basic tags, text formatting tags, computer output tags, Citations, Quotations, and Definition Tags, Font tags, Character Entities) inside it. B. Implement various list types and its attributes using appropriate example.	4	1 & 2
2	A. Create a HTML page which contains the two inline frames. One inline frame contains navigation links and second inline frame contains the details about topics. Once we clicked on navigation link then it jumps on specific topic section in second frame. Refer the figure for more detail. B. Demonstrate an image map for Gujarat State in HTML. Once we click on specific state region, it will open region image & information in another page.	2	2
3	Design web pages for the followings: A. Table as given below:	4	3

Table within a Table

An inner table demonstrates a variety of headings and data items inside a Table.

B. Create registration form to design Vehicle Service Page which contains at-least following fields:

Sr. No.	Field name	Necessary conditions
1.	Vehicle Registration Number	Use explicit label
2.	Name of owner	Size of text field must be at-least 30 characters
3.	Date	Use appropriate input tag type attribute
4.	Address	Use textarea and limit the number of columns to 80 and number of rows to 10
5.	State	Use select tag with option group like south states, north states
6.	Mobile number	Length of the mobile number must be 10 digits
7.	Vehicle service components	Use multiple checkbox elements. Use values like: Basic service, oil, oil filters, wheel rotating, wheel balancing, etc.
8.	Approximate bill amount	
9.	Email	Use appropriate input tag type attribute
10.	User complains	

	11.	Reset Button			
	12.	Submit button	Button must contain image and text both		
	Do not use JavaScript for any field.				
4	**CSS Concepts:** Implement the Web Pages that demonstrate following concepts: A. Background properties B. Font properties			2	1 & 2
5	Create the web pages that demonstrate following concepts: A. Demonstrate various border styles on HTML elements. Also develop code for following figures: Figure 1 Figure 2 B. Develop code on four div elements as shown figures: Figure 1 Figure 2 Figure 3 C. Demonstrate Margin and Padding properties.			2	2

	D. Implement the web page as shown in figure 1. Also apply different colors on divisions and shadows. Consider width 200px and height 100px for both the divisions. Refer Hint for more details. **Hint** div1 **shadow of div** div2 **shadow of div** [Figure 1 Designing through multiple division and shadow] [Hint for figure]		
6	Create the web pages that demonstrate following concepts: A. Develop HTML code that displays horizontal navigation menu bar using unordered list. B. Demonstrate Table and Column properties. Refer the following figure as **sample**: **Caption: Fruit Prices** MARKET NAME ARRIVALS PRICE CURRENT MODAL **Apple** Description: Delicious and crunchy, apple fruit is one of the most popular and favorite fruits among the health conscious, fitness lovers who firmly believe in the concept of "health is wealth." Ahmedabad(Fruit Market, Naroda)(Guj) 185.10 13000 Lucknow(UP) 21.50 7500 NOTE: ARRIVALS IN TONNES; PRICES IN RS/QUINTAL IN DOMESTIC MARKET.	4	2
7	A. Create following HTML page using content and counter CSS properties as shown in figure: **Section 1. HTML tutorials** **1.1 HTML Tutorial** **1.2 XHTML Tutorial** **1.3 CSS Tutorial** **Section 2. Scripting tutorials** **2.1 JavaScript** **2.2 VBScript** **Section 3. XML tutorials** **3.1 XML** **3.2 XSL** B. Create following HTML page using various CSS properties:	4	2

THIS IS PARAGRAPH 1.
Some text.......

THIS IS PARAGRAPH 2.
Some text.......

THIS IS PARAGRAPH 3.
Some text.......

PARAGRAPH 4.
This is hyperlink without underline. Link:Home Page

	C. Implement the CSS animation for div HTML tag. During animation div element change its shape from circle to square from left side to right side of the web page and change its color from blue to yellow. Animation must execute for infinite times.
	
	D. Implement the CSS transition on black colored rectangle division with initial 5px red color solid outline. Once take mouse over the division, perform following effects on division:
	  i.) Creates division outline with 5px width, dotted style, blue color and 10px blank space between division and outline.
	  ii.) Change horizontal radius and vertical radius to 80% and 30px respectively of top right and bottom left border.
	  iii.) Change background color to green.		

8	**JavaScript Concepts:**
	
	A. Write a script that outputs HTML text that displays in the HTML document a checkerboard pattern, as follows
	  * * * * * * * *
	   * * * * * * * *
	  * * * * * * * *
	   * * * * * * * *
	  * * * * * * * *
	   * * * * * * * *
	
	B. Develop a JavaScript program which accept a number as input and insert dashes (-) between each two even numbers. For example if you accept 025468 as input, then output should be 0-254-6-8.
		2	3

9	A. Create a JavaScript that merge two arrays without duplicating elements. B. Develop a JavaScript function to humanized number (Formats a number to a human-readable string.) with the correct suffix such as 1st, 2nd, 3rd or 4th upto number 10. (Hint: If user enter 8 than output will be 8th. If user enter 1 than output should be 1st)	2	3

	C.	Create an user define function ALPHA_POS( ) in JavaScript that read a string as an argument and replace every character in string with its position in the alphabet. If the character is not an alphabet then ignore it and move to next character. For example if the input string is "The sunset sets at twelve o'clock." then it should display "20 8 5 19 21 14 19 5 20 19 5 20 19 1 20 20 23 5 12 22 5 15 3 12 15 3 11".		
10	A.	Write a JavaScript to display the current date, current time and display appropriate greeting message according to time slot. (Hint for message: Good Morning, 01/07/2019 09:00:00 AM)	2	3
	B.	Design the web page that includes the various types of JavaScript validations like i) IP address ii) Alphanumeric values only iii) Date in DD/MM/YYYY format iv) Special symbol restriction v) Email must be in proper form. vi) Phone number should be minimum of 10 digits vii) Required field validation viii) Password and retype password must be same		
11 *	A)	Create a script that displays a digital clock.	2	2
	B)	Write a script that shows how to search a string for the browser type and then take appropriate action. This uses regular expressions to match the exact contents of the string between the 2 "/"s.		
12 *	A)	Write a script that demonstrate the alert(), confirm() and prompt() methods.	2	3
	B)	Create a script that shows how to have a form text field entered by the user, and when the user wants (presses button) the JavaScript will figure out how many times "in" occurs in the text.		
13 *	A)	Create a script to determine frequency of a character in a string.	2	2
	B)	Write a script to implement a Toggle Button with Image Replacement.		
14 *	Demonstrate CSS transitions properties.		2	1 2
15 *	Design a Biodata page whose content can be changed using JavaScript like events.		2	3

*- Optional practical