Course Code	Course Name	Load Distribution (LT P C)
PCS-501	Web Technology Lab	0 0 4 2

Learning Outcome:

After Completing this course students will be able to learn:

1. Creating the basic structure and static web pages using HTML5.
2. Implement web page by using CSS3 enhance formatting style like Transition & Dynamic effects.
3. Build and implement Web form validation & events driven concept.
4. Implement dynamic creation of xml file & transportation of web contents between different web servers.
5. Develop dynamic & interactive web pages which transfer data back and forth from server, and add interactive components to web pages.

HTML 5

1. Write a HTML code to draw the following Figure :

```
                *
          *     *     *
       *     *     *     *     *
    *     *     *     *     *     *     *
```

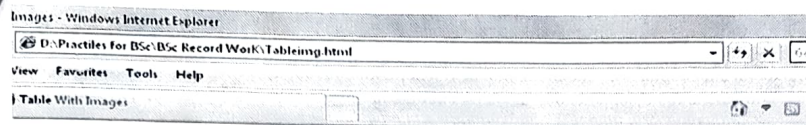2. Create a web page to print the following table:

List of Course-wise Subjects

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Sr. No.	Course	Subject	Marks		Category		Practical/ Theory
			Internal	External	Internal	External	
1	MBA	Management Accounting	30	70	-	✓	Theory
		Information Technology	30	70	-	✓	T and P
		Basics of Marketing	30	70	-	✓	Theory
		E-Commerce	50	-	✓	-	Theory
2	MCM	Visual Basic	30	70	-	✓	T and P
		Internet Technology	30	70	-	✓	T and P
		Network Technology	30	70	-	✓	Theory
		VB.Net	30	70	-	✓	T and P
		Linux	30	70	-	✓	T and P
		ISA	50	-	✓	-	Theory

3. Using table related tags align the images with hyperlinks.

Table With Mobile Connections

4. Create a web page with the following using HTML:
  I.   To embed an image map in a web page
  II.   To fix the hot spots
  III. Show all the related information when the hot spots are clicked.

5. Create a web page having frames as follows:

Your Name Punch line etc.		
Objective Personal Information Family Information Educational Information Experience Achievements Other	Display information here of selected link	Display relevant images here
Your contact details		

The frame which includes Objective, Personal Information ect. are the hyperlinks. Display the relevant information in the next frame on selecting the link. The colour scheme of hyper links should be as follows:
default – green
active – red
visited – blue

The information should be well formatted. Follow the instructions mentioned in the above format.

6. Demonstrate the use of <IFRAME> tag using suitable example.

7. Create a program to run youtube video in a web page.

8. Write a HTML code for the following snapshot.

Basic information

Full name: _____

Birth date: _____

Gender: ○ Male ○ Female

Address: _____

Phone number: _____

Extra information

Interests: ☐ Books ☑ Movies ☐ Videogames

Favorite color: ▬▬

[Send data] [Reset form]

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9. Create a web page of customer profile for data entry of customer's in a Hotel, The profile should include Name, Address, Age, gender, Room Type (A/C, Non-A/C or Deluxe), Type of payment (Cash, Credit/Debit Card or Coupons).

10. Demonstrate the use of following HTML5 Tags:
   - I.   <Video>
   - II.   <Audio>
   - III.   <Header>
   - IV.   <Footer>
   - V.   <Nav>
   - VI.   <Embed>
   - VII.   <Datalist>
   - VIII. <Bdi>
   - IX.   <Article>
   - X.   <Output>

CASCADING STYLE SHEET

1. Create a web page to show all hyperlinks with following specification:
   - Default color is pink.
   - Active color is blue
   - Visited color is Green
   - Hyperlink should be without underline.

   Text decoration : none

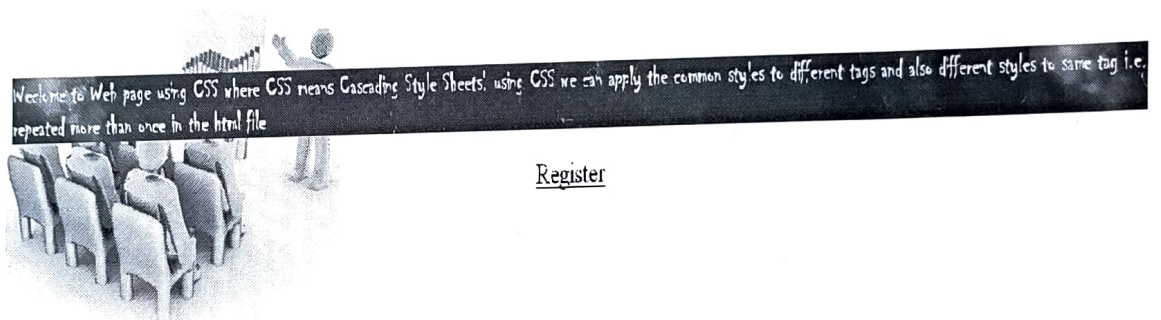2. Create Box Shadow and text Shadow using CSS3.

3. Create Rounded Corners using css3.

4. Create a web page to show newspaper layout effects on contents given in web page (i.e. in multiple columns). *Columns = 3   1 column gap :*

5. Create a web page to show transitioneffect in such a way so that elements gradually change from one style to another style. *2 px*

6. Create a web page to show fixed background image (this image will not scroll with the rest of the page)

7. Create a web page to position a background image and repeat the image horizontally or vertically.

8. Create a web page to resize the background of web page.

9. Design a web page using CSS which includes the following:
   - i. Use different font styles
   - ii. Set background image for both the page and single elements on page.
   - iii. Control the repetition of image with background-repeat property
   - iv. Define style for links as a:link, a:active, a:hover, a:visited
   - v. Add customized cursors for links.
   - vi. Work with layers.

Snapshot

Web Page using CSS

Welcome to Web page using CSS where CSS means Cascading Style Sheets, using CSS we can apply the common styles to different tags and also different styles to same tag i.e. repeated more than once in the html file
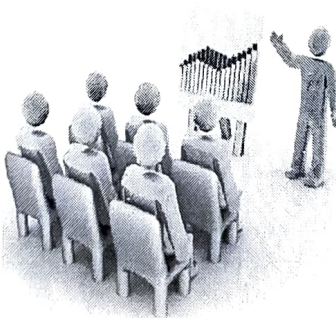
Register

LAYER 1
LAYER 2

LAYER 1
LAYER 2

JAVASCRIPT

1. Design a web page to validate credit card number according to the below specification. Following tables outlines the major credit cards you might want to validate, along with their allowed prefixes and lengths.

Major Credit Cards, Their Prefixes, and Length

Card Type	Prefixes	Length
Master Card	51-55	16
Visa	4	13,16
American Express	34,37	15

2. Write a java script to validate the following fields in a registration page:
- Name (should contains alphabets and the length should not be less than 6 characters)
- Password(should not be less than 6 characters) 3.
- E-mail(should not contain invalid addresses)

3. Write a java script program to "Wish a user " at different hours of a day

4. Design a web page that self modifying itself after every one minute.

5. Write an code for web application, which accepts the birth date from the user in a textbox and display the day of the week in a message box on the click of a button.

6. Write a script that inputs a telephone number as a string in the form (555)555-555. The script should use strings method split to extract the area code as token and the last four digits of the phone numbers as a token. Display the area code in one test field and the seven digit phone number in another text field.

7. Create a web page that applies the invert filter to an image if the user moves the mouse over it.

8. Write an HTML Page to scroll the text message from right to left at the status bar of browser window.

9. Design a web page to perform survey on four different model of Maruti (Maruti -K10, Zen-Astelo, Wagnor, Maruti- SX4) owned by person living in four metro cities(Delhi, Mumbai, Chennai &Kolkatta). Display tabulated report like format given below:

	Maruti-K10	Zen-Astelo	Wagnor	Maruti-SX4
Delhi				
Mumbai				
Cheenai				

Kolkatta				

XML

1. Write an XML file which will display the Book information which includes the following:

- Title of the book
- Author Name
- ISBN number
- Publisher name
- Edition
- Price

Write a Document Type Definition (DTD) to validate the above XML file.

2. Display the above XML file as follows.
The contents should be displayed in a block. And the Author names information should be displayed in one color and should be capitalized and in bold. Use your own colors for remaining information. Use CSS for the above purpose.

PHP

1. Create a Login form having User-Id and Password fields. After submitting the form match the user-id and password with existing user-id and password. If user-id and password match a new welcome window should be appear.

2. Create a PHP page to display all the records from PERS table that contain Department Number(field name dno) similar to that of given in list lstdnogiven in interface web browser screen.

3. Write a PHP program to store page views count in SESSION, to increment the count on each refresh, and to show the count on web page.

4. Write a PHP program to store current date-time in a COOKIE and display the "Last visited on " date-time on the web page upon reopening of the same page.

5. Using PHP and MySQL, develop a program 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 results with proper headings.