



**C. U. Shah University, Wadhwan City**  
**Faculty of Computer Science**  
**Name of Program: Bachelor of Science (Information Technology)**  
**(B.Sc.IT)**  
**Semester : II**  
**W.e.f. June – 2016**  
**Teaching & Evaluation Scheme**

Sr. No	Subject Code	Subject Name	Teaching Hours/Week				Credits	Evaluation Scheme/Semester							
			Th	Tu	Pr	Total		Theory				Practical			Total Marks
								Sessional Exam		University Exam		Internal		Uni.	
								Marks	Hrs	Marks	Hrs	Pr	TW	Pr	
3	4CS02IWS2	Web Scripting Language	4	-	-	4	4	30	1.5	70	3	-	-	-	100

**Objectives:** At the end of the syllabus, Student can develop a static web site.

**Pre-requisites:** Student should have knowledge about Basic HTML.

**Course Outline:**

Chapter No.	Chapter Name	Course Contents	Lect Hours
1.	HTML Revision	1.1 HTML Introduction 1.2 HTML tags 1.3 HTML Formatting tags 1.4 HTML images, Tables 1.5 HTML List, Anchors 1.6 HTML frame 1.7 HTML forms	5
2.	CSS	2.1 Introduction 2.2 CSS Selector 2.3 CSS Syntax 2.4 Types of style sheet 2.5 Id and class 2.6 CSS background Property 2.7 CSS text Property 2.8 CSS font Property 2.9 CSS border Property 2.10 CSS list Property 2.11 CSS table Property 2.12 CSS link Property 2.13 CSS dimension 2.14 CSS display and visibility 2.15 CSS positioning	15

3	JavaScript	<ul style="list-style-type: none"> <li>3.1 Client and Server Side Scripting Language</li> <li>3.2 Characteristics of Java Script</li> <li>3.3 Syntax/&lt;script&gt;</li> <li>3.4 Output</li> <li>3.5 Variables</li> <li>3.6 Datatypes in Javascript</li> <li>3.7 Javascript operators</li> <li>3.8 Dialogue Boxes in Javascript</li> <li>3.9 Looping</li> <li>3.10 UDF</li> <li>3.11 User Defined Object</li> <li>3.12 Javascript array</li> <li>3.13 Predefined objects <ul style="list-style-type: none"> <li>3.13.1 string object</li> <li>3.13.2 date object</li> <li>3.13.3 array objet</li> <li>3.13.4 math object</li> </ul> </li> <li>3.14 JavaScript events <ul style="list-style-type: none"> <li>3.14.1 onabort</li> <li>3.14.2 onclick</li> <li>3.14.3 ondblclick</li> <li>3.14.4 onblur</li> <li>3.14.5 onfocus</li> <li>3.14.6 onchange</li> <li>3.14.7 onkeydown</li> <li>3.14.8 onkeyup</li> <li>3.14.9 onkeypress</li> <li>3.14.10 onmousemove</li> <li>3.14.11 onmousedown</li> <li>3.14.12 onmouseout</li> <li>3.14.13 onmouseover</li> <li>3.14.14 onmouseup</li> <li>3.14.15 onsubmit</li> <li>3.14.16 onreset</li> <li>3.14.17 onselect</li> <li>3.14.18 onload</li> <li>3.14.19 onunload</li> <li>3.14.20 onresize</li> </ul> </li> <li>3.15 Timer events <ul style="list-style-type: none"> <li>3.15.1 setInterval</li> <li>3.15.2 clearInterval</li> <li>3.15.3 setTimeOut</li> <li>3.15.4 clearTimeOut</li> </ul> </li> <li>3.16 JavaScript DOM</li> <li>3.17 Document object</li> <li>3.18 History object</li> <li>3.19 Navigator object</li> <li>3.20 Form object</li> <li>3.21 Window object</li> <li>3.22 Frame object</li> </ul>	25
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4	JQuery& AJAX	4.1 Introduction 4.2 jQuery syntax 4.3 Ready event 4.4 jQuery selector 4.5 jQuery events 4.6 jQuery effects 4.7 jQuery HTML 4.8 jQuery traversing 4.9 jQuery- AJAX introduction 4.10 jQuery – AJAX methods	10
<b>TOTAL</b>			<b>55</b>

**Teaching Methodology:**


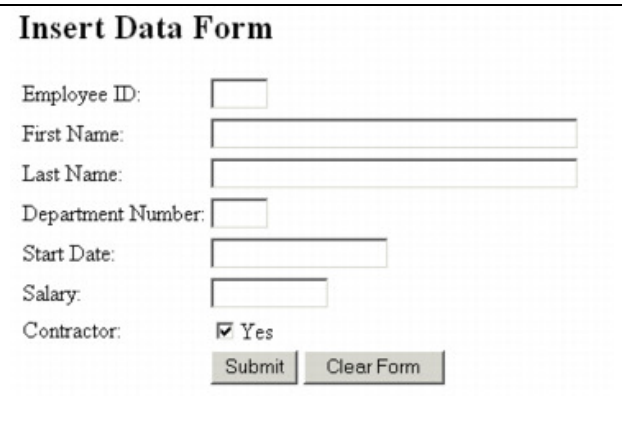
Revision, Paper Solving, Seminar, Expert Talk, MCQ Quiz, Viva Test, Programming Test

**Reference Books:**

1. Beginning Web Programming with HTML, XHTML, and CSS by Jon DuckettWrox, Publication, ISBN-13 9788126525515
2. World wide web design with HTML by CXavier, Tata McGraw - Hill Education, ISBN-13 9780074639719
3. Html &Css: The Complete Reference 5th Edition by Thomas A. Powell, Tata Mcgraw Hill Education Private Limited
4. Beginning JavaScript by Jeremy McPeak, Paul Wilton, Wiley Publisher
5. Beginning HTML and CSS – By Rob Larsen ( Wrox Publication)
6. JavaScript and jQuery – By David Sawyer McFarland ( O'REILLY Publication)

## Program List Chapter 1 HTML REVISION

No.	Definition	Output																
1	Write an HTML code to display the following output.	<p style="text-align: center;"><b>Subjects of Sem-2</b></p> <ol style="list-style-type: none"> <li>1. CS</li> <li>2. WSL               <ul style="list-style-type: none"> <li>○ HTML</li> <li>○ DHTML</li> <li>○ CSS</li> <li>○ Javascript</li> <li>○ XML</li> </ul> </li> <li>3. DS</li> <li>4. Maths</li> <li>5. SAD</li> </ol>																
2	Write an HTML code to display the following output.	<table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="padding: 10px;">Roll No</td> <td style="padding: 10px;">Name</td> </tr> <tr> <td style="padding: 10px;">01</td> <td style="padding: 10px;">ABC</td> </tr> <tr> <td style="padding: 10px;">02</td> <td style="padding: 10px;">BCA</td> </tr> </table>	Roll No	Name	01	ABC	02	BCA										
Roll No	Name																	
01	ABC																	
02	BCA																	
3	Write an HTML code to display the following output.	<table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="padding: 5px;">1</td> <td rowspan="3" style="padding: 5px; text-align: center;">2</td> <td style="padding: 5px;">3</td> </tr> <tr> <td style="padding: 5px;">4</td> <td style="padding: 5px;">5</td> </tr> <tr> <td style="padding: 5px;">6</td> <td style="padding: 5px;">7</td> </tr> </table>	1	2	3	4	5	6	7									
1	2	3																
4		5																
6		7																
4	Write an HTML code to display the following output	<table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="padding: 5px;">1</td> <td style="padding: 5px;">4</td> <td style="padding: 5px;">6</td> <td style="padding: 5px;">8</td> <td style="padding: 5px;">11</td> </tr> <tr> <td style="padding: 5px;">2</td> <td rowspan="3" style="padding: 5px; text-align: center;">5</td> <td style="padding: 5px;">7</td> <td rowspan="3" style="padding: 5px; text-align: center;">9</td> <td style="padding: 5px;">12</td> </tr> <tr> <td style="padding: 5px;">3</td> <td style="padding: 5px;">10</td> <td style="padding: 5px;">13</td> </tr> <tr> <td style="padding: 5px;"></td> <td style="padding: 5px;"></td> <td style="padding: 5px;">14</td> </tr> </table>	1	4	6	8	11	2	5	7	9	12	3	10	13			14
1	4	6	8	11														
2	5	7	9	12														
3		10		13														
				14														

5	Write an HTML code to display the following output.	<table border="1"> <thead> <tr> <th rowspan="2">State Of Health</th> <th colspan="2">Fasting Value</th> <th rowspan="2">After Eating</th> </tr> <tr> <th>Maximum</th> <th>Maximum</th> </tr> </thead> <tbody> <tr> <td>Healthy</td> <td>70</td> <td>100</td> <td>Two Hrs After Eating</td> </tr> <tr> <td>Pre-Diabetes</td> <td>101</td> <td>126</td> <td>Less than 140</td> </tr> <tr> <td>Diabetes</td> <td>More than 216</td> <td>N/A</td> <td>More than 200</td> </tr> </tbody> </table>	State Of Health	Fasting Value		After Eating	Maximum	Maximum	Healthy	70	100	Two Hrs After Eating	Pre-Diabetes	101	126	Less than 140	Diabetes	More than 216	N/A	More than 200						
State Of Health	Fasting Value			After Eating																						
	Maximum	Maximum																								
Healthy	70	100	Two Hrs After Eating																							
Pre-Diabetes	101	126	Less than 140																							
Diabetes	More than 216	N/A	More than 200																							
6	Design following HTML form																									
7	Design following HTML form																									
8	Design following table in HTML	<table border="1"> <caption>Table1</caption> <thead> <tr> <th>BRAND</th> <th>Modelno</th> <th>Price</th> </tr> </thead> <tbody> <tr> <td rowspan="3">Hyundai</td> <td>I10</td> <td>5,00,000</td> </tr> <tr> <td>I20</td> <td>5,50,000</td> </tr> <tr> <td>VERNA</td> <td>9,00,000</td> </tr> <tr> <td rowspan="3">MARUTI</td> <td>RITZ</td> <td>4,00,000</td> </tr> <tr> <td>SWIFT DESIRE</td> <td>5,00,000</td> </tr> <tr> <td>WAGONR</td> <td>4,25,000</td> </tr> <tr> <td rowspan="3">TATA</td> <td>INDICA</td> <td>4,00,000</td> </tr> <tr> <td>INDIGO</td> <td>5,00,000</td> </tr> <tr> <td>SAFARI</td> <td>4,25,000</td> </tr> </tbody> </table>	BRAND	Modelno	Price	Hyundai	I10	5,00,000	I20	5,50,000	VERNA	9,00,000	MARUTI	RITZ	4,00,000	SWIFT DESIRE	5,00,000	WAGONR	4,25,000	TATA	INDICA	4,00,000	INDIGO	5,00,000	SAFARI	4,25,000
BRAND	Modelno	Price																								
Hyundai	I10	5,00,000																								
	I20	5,50,000																								
	VERNA	9,00,000																								
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	WAGONR	4,25,000																								
TATA	INDICA	4,00,000																								
	INDIGO	5,00,000																								
	SAFARI	4,25,000																								
9	Design following frame Structure in HTML	<table border="1"> <tr> <td data-bbox="764 1608 894 1881">1.html</td> <td data-bbox="894 1608 1024 1745">2.html</td> <td data-bbox="1024 1608 1154 1881">4.html</td> </tr> <tr> <td data-bbox="764 1608 894 1881"></td> <td data-bbox="894 1745 1024 1881">3.html</td> <td data-bbox="1024 1608 1154 1881"></td> </tr> </table>	1.html	2.html	4.html		3.html																			
1.html	2.html	4.html																								
	3.html																									

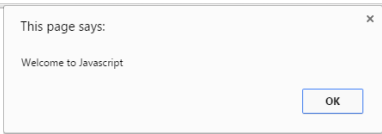
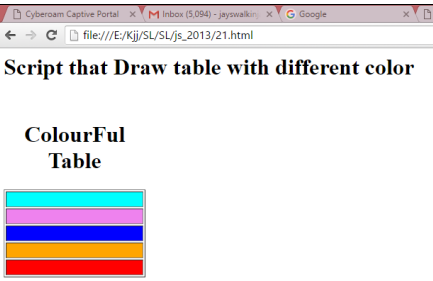
10	Design following frame Structure in HTML	1.html	2.html	3.html	
		4.html		5.html	
		6.html		7.html	

### Program List Chapter 2 CSS

Sr.No	Definition	Output
1	Write a CSS code to display the following output	<p><b>This is heading 1</b></p> <p><b><del>This is heading 2</del></b></p> <p><b><u>This is heading 3</u></b></p>
2	Write a CSS code to display the following vertical menu.	<p>HOME</p> <p>NEWS</p> <p>CONTACT</p> <p>ABOUT</p>
3	Write a CSS code to display the following horizontal menu	<p>HOME NEWS CONT</p>
4	Write a CSS code to display the following CSS border property output.	<p>.....</p> <p>  This is some text in a paragraph.  </p> <p>.....</p> <p>  This is some text in a paragraph.  </p> <p>.....</p> <p>  This is some text in a paragraph.  </p> <p>.....</p> <p>  This is some text in a paragraph.  </p> <p>.....</p>
5	Write a CSS script that demonstrate CSS Table property	
6	Write a CSS script that demonstrate CSS background property	


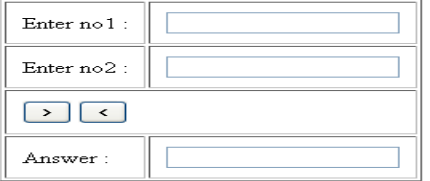
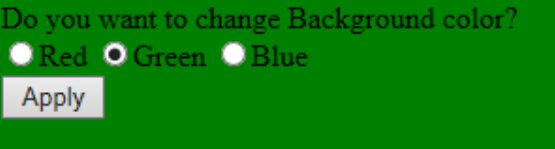

### Program List JAVASCRIPT


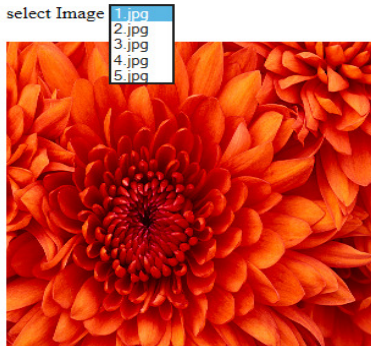
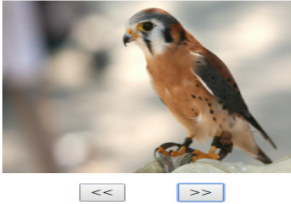
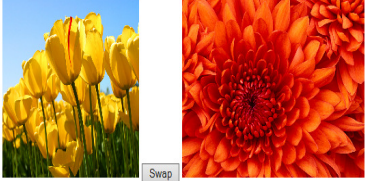


Sr. no	Definition	Output
1	Write a script to print message on the screen	Use document.write()
2	Write a script to print message from URL	Js execute direct from address bar
3	Write a script to print message using alert message box	




										
4	Write a script to print octal, hexadecimal variable									
5	Write a script that print type of variable (Using typeof keyword)	<b>display variable type using typeof keyword</b> A is string B is number C is number D is boolean E is object Fs is undefined								
6	Write a script that change background color of document if we press ok button	Confirm dialogue box								
7	Write a script that display image if we press ok button	Confirm dialogue box								
8	Write a script that display Welcome + Username using prompt	Prompt dialogue box								
9	Write a script that enter your name and surname from prompt and display your Full NaME:	Name: kinjal Surname:Jayswal Your Full Name is KinjalJayswal								
10	Write a script that enter background color from prompt and change document background color.	Prompt dialogue box								
11	Write a script that check whether given number is odd or even	Prompt dialogue box								
12	Write a script that check whether given number is prime or not	Prompt dialogue box								
13	Write a script that check whether given number is positive, negative or zero	Using prompt and nested if-else condition								
14	Write a script that display day of date	<b>Today is : Monday</b>								
15	Write a script that display table using java script. Accept rows and columns from user	<p>Table 1</p> <table border="1"> <tr> <td>1</td> <td>2</td> <td>3</td> <td>4</td> </tr> <tr> <td>5</td> <td>6</td> <td>7</td> <td>8</td> </tr> </table>	1	2	3	4	5	6	7	8
1	2	3	4							
5	6	7	8							
16	Write a script that enter row from user and display each row of table with different color.	 <p>Script that Draw table with different color</p> <p><b>ColourFul Table</b></p>								

17	Write a script that display MARKSHEET of student Enter name, marks of 4 subjects from user using prompt or textbox	<table border="1"> <thead> <tr> <th colspan="2">MARKSHEET</th> </tr> </thead> <tbody> <tr> <td>Name :-</td> <td>ABCA</td> </tr> <tr> <td>Semester :-</td> <td>3</td> </tr> <tr> <td>OS :-</td> <td>55</td> </tr> <tr> <td>C++ :-</td> <td>55</td> </tr> <tr> <td>WSL :-</td> <td>55</td> </tr> <tr> <td>VB :-</td> <td>55</td> </tr> <tr> <td>Total:-</td> <td>220</td> </tr> <tr> <td>Percentage :-</td> <td>55</td> </tr> <tr> <td>Result :-</td> <td>Second Class</td> </tr> </tbody> </table>	MARKSHEET		Name :-	ABCA	Semester :-	3	OS :-	55	C++ :-	55	WSL :-	55	VB :-	55	Total:-	220	Percentage :-	55	Result :-	Second Class
MARKSHEET																						
Name :-	ABCA																					
Semester :-	3																					
OS :-	55																					
C++ :-	55																					
WSL :-	55																					
VB :-	55																					
Total:-	220																					
Percentage :-	55																					
Result :-	Second Class																					
18	Write a script that declare and print array elements	Array Example 1																				
19	Write a script that enter 5 city names from user and store them into array	Array Example 2																				
20	Write a script that print sum of array elements	Array Example 3																				
21	Write a script that search a number from array	Array Example 4																				
22	Write a script that find maximum and minimum number from array	Array Example 5																				
23	Write a script that print how many odd and even numbers in Array	Array Example 6																				
24	Write a script that print String in different format	String Object Methods																				
25	Write a script that print pyramid Enter String: KBSSC K KB KBS KBSS KBSSC	Use string object charAt() method and length property																				
26	Write a script that print reverse array	Using reverse array																				
27	Write a script that del first element from array	Use shift () method																				
28	Write a script that Insert element at beginning in array	Use Unshift () method																				
29																						
30	Write a script that print pyramid Enter String: KBSSC K KB KBS KBSS KBSSC	Use string object charAt() method and length property																				
31	Write a script that check whether given string is palindrome or not and also print reverse string	Use reverse method																				
32	Write a script that check whether given email id is valid or not	Enter email using textbox or prompt																				
33	Write a script that demonstrate all get	Use Date Object's Methods																				



	Methods of Date object	
34	Write a script that display total number of form elements	Form Object's length property
35	Write a script that display all form Elements name and value	T1:aaa T2:bbb B1:ok
36	Write a script for calculator	
37	Write a script for max and minimum number	
38	Write a script for copy one textbox value to another text box by clicking on click button	<p>Enter Text and click on button to copy text</p> <p>Enter Text :- KBSSC</p> <p>Copy Text :- KBSSC</p> <p><input type="button" value="copy"/></p>
39	Write a script for copy string using key up event	Example of add style to textbox
40	Write a javascript code to change the background color of the page using radio button	
41	Write a Javascript code for following arithmetic operation	<p>Enter Number :- 5</p> <p><input checked="" type="radio"/> Square <input type="radio"/> Quebe</p> <p>Answer :- 25</p>
42	Write a javascript code to display the selected hobbies when Display button is clicked.	<p>Select hobby : <input checked="" type="checkbox"/> Music <input type="checkbox"/> Travelling <input checked="" type="checkbox"/> Reading</p> <p><input type="button" value="Display"/></p>
43	Write a script for following Restaurant menu	

44	Write a script for print selected text in text box	<p>change the option in list</p> 								
45	Write a script that display image as select in combobox	<p>select Image</p> 								
46	Write a script that display image galary	<p><b>Image Galary Example</b></p> 								
47	Write a Javascriptcodethat change image as mouse over and out of image	<p>Onmouseover and onmouseout event example</p>								
48	Write a Javascriptcodefor format menu	<p><b>Example of Format Menu</b></p> <p>change the option in list and display that text in textbox</p> <p>Enter Text :- <u>K@SSC</u></p> <table border="1" data-bbox="841 961 1386 1037"> <thead> <tr> <th>Style</th> <th>Size</th> <th>Font Color</th> <th>Name</th> </tr> </thead> <tbody> <tr> <td><input checked="" type="checkbox"/> Bold <input checked="" type="checkbox"/> Italic <input checked="" type="checkbox"/> Underline</td> <td>20</td> <td>blue</td> <td>Monotype Corsiva</td> </tr> </tbody> </table>	Style	Size	Font Color	Name	<input checked="" type="checkbox"/> Bold <input checked="" type="checkbox"/> Italic <input checked="" type="checkbox"/> Underline	20	blue	Monotype Corsiva
Style	Size	Font Color	Name							
<input checked="" type="checkbox"/> Bold <input checked="" type="checkbox"/> Italic <input checked="" type="checkbox"/> Underline	20	blue	Monotype Corsiva							
49	Write a script that swap two images									
50	Write a javascript code to perform the following output of window object.									
51	Write a javascript code to perform counter using timer events									
52	Write a javascript code to display the clock using timer events	<p><b>Current Time is : 13 : 33 : 20</b></p>								
53	<p>Write a javascript code to perform the following validation.</p> <ul style="list-style-type: none"> <li>Name field contains only capital &amp; small alphabets and space.</li> <li>Both passwords must be same. If they are different, then display proper message and the focus shifts to Confirm password field.</li> </ul>	<table border="1" data-bbox="829 1535 1435 1696"> <tr> <td>Enter name :</td> <td><input type="text"/></td> </tr> <tr> <td>Enter Password :</td> <td><input type="password"/></td> </tr> <tr> <td>Enter Confirm password :</td> <td><input type="password"/></td> </tr> <tr> <td colspan="2" style="text-align: center;"><input type="button" value="Display"/></td> </tr> </table>	Enter name :	<input type="text"/>	Enter Password :	<input type="password"/>	Enter Confirm password :	<input type="password"/>	<input type="button" value="Display"/>	
Enter name :	<input type="text"/>									
Enter Password :	<input type="password"/>									
Enter Confirm password :	<input type="password"/>									
<input type="button" value="Display"/>										

	<p>Write a javascript code to perform the following validation.</p> <ul style="list-style-type: none"> <li>• Name field contains only capital &amp; small alphabets and space.</li> <li>• Age field contains only digits( 0-9).</li> </ul>	 <p>The form consists of a container with three sections. The top section has a label 'Enter name :' followed by a text input field. The middle section has a label 'Enter age :' followed by a text input field. The bottom section contains a 'Display' button.</p>
54	<p>Write a javascript code to perform the following validation</p> <ul style="list-style-type: none"> <li>• Name field contains only capital &amp; small alphabets and space.</li> <li>• Email id must be valid otherwise display appropriate message and focus shifts to the email id field.</li> </ul>	 <p>The form consists of a container with three sections. The top section has a label 'Enter name :' followed by a text input field. The middle section has a label 'Enter Email id :' followed by a text input field. The bottom section contains a 'Display' button.</p>
55	<p>Write a javascript code to perform the following validation.</p> <ul style="list-style-type: none"> <li>• Name field contains only capital &amp; small alphabets and space.</li> <li>• Mobile no contains only digits( 0-9) and the length of the field must be 10 other display appropriate message.</li> </ul>	 <p>The form consists of a container with three sections. The top section has a label 'Enter name :' followed by a text input field. The middle section has a label 'Enter mobile no :' followed by a text input field. The bottom section contains a 'Display' button.</p>