



C. U. Shah University, Wadhwan City

Faculty of Computer Science

Name of Program: Bachelor of Science (Information Technology)  
(B.Sc.IT)

Semester : I

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	
5	4CS01INT2	Introduction to Networking & Internet	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:**

Ch. No	Chapter Name	Course Contents	Lect. Hours
1	<b>Networking Basics</b>	<ul style="list-style-type: none"> <li>➤ Concept and Objectives of Network</li> <li>➤ Network Services</li> <li>➤ Network Model               <ul style="list-style-type: none"> <li>○ Client Server</li> <li>○ Peer to Peer</li> </ul> </li> <li>➤ Types of Network               <ul style="list-style-type: none"> <li>○ LAN, MAN, WAN, PAN, CAN</li> </ul> </li> <li>➤ Data communication and its effectiveness</li> <li>➤ Components of Data communication</li> </ul>	10
2	<b>Addressing and Topologies</b>	<ul style="list-style-type: none"> <li>➤ Introduction to Internet and Intranet</li> <li>➤ Internet connection requirement               <ul style="list-style-type: none"> <li>○ Dial up</li> <li>○ Leased Line</li> <li>○ ISDN</li> <li>○ ADSL</li> <li>○ Cable modem</li> </ul> </li> <li>➤ IPv4 and IPv6</li> <li>➤ DNS</li> <li>➤ Data Flow Modes               <ul style="list-style-type: none"> <li>○ Simple</li> <li>○ Half-duplex</li> <li>○ Full-duplex</li> </ul> </li> <li>➤ Transmission Modes               <ul style="list-style-type: none"> <li>○ Serial                   <ul style="list-style-type: none"> <li>• Asynchronous</li> <li>• Synchronous</li> </ul> </li> </ul> </li> </ul>	12

		<ul style="list-style-type: none"> <li>• Isochronous <ul style="list-style-type: none"> <li>○ Parallel</li> </ul> </li> <li>➤ Topology <ul style="list-style-type: none"> <li>○ Bus</li> <li>○ Ring</li> <li>○ Star</li> <li>○ Mesh</li> <li>○ Tree</li> <li>○ Hybrid</li> </ul> </li> <li>➤ Addressing <ul style="list-style-type: none"> <li>○ Physical</li> <li>○ Logical</li> <li>○ Port</li> <li>○ Specific</li> </ul> </li> </ul>	
<b>3</b>	<b>Transmission Media</b>	<ul style="list-style-type: none"> <li>➤ Transmission Media <ul style="list-style-type: none"> <li>○ Guided (wired) <ul style="list-style-type: none"> <li>• Twisted pair</li> <li>• Coaxial</li> <li>• Fiber optic</li> </ul> </li> <li>○ Unguided(wireless) <ul style="list-style-type: none"> <li>• Free Space</li> </ul> </li> </ul> </li> </ul>	<b>8</b>
<b>4</b>	<b>HTML</b>	4.1 Introduction to HTML 4.2 HTML tags 4.3 HTML document structure 4.4 Document tags <ul style="list-style-type: none"> <li>4.4.1 &lt;html&gt;</li> <li>4.4.2 &lt;head&gt;</li> <li>4.4.3 &lt;title&gt;</li> <li>4.4.4 &lt;body&gt;</li> </ul> 4.5 Colors in HTML 4.6 Comment tag (<!-- ... -->) 4.7 Heading tags(<h1>... <h6>) 4.8 HTML Paragraph tag(<p>) 4.9 Formatting tags <ul style="list-style-type: none"> <li>4.9.1 &lt;pre&gt;</li> <li>4.9.2 &lt;blockquote&gt;</li> <li>4.9.3 &lt;b&gt;</li> <li>4.9.4 &lt;i&gt;</li> <li>4.9.5 &lt;u&gt;</li> <li>4.9.6 &lt;strike&gt;</li> <li>4.9.7 &lt;tt&gt;</li> <li>4.9.8 &lt;small&gt;</li> <li>4.9.9 &lt;big&gt;</li> <li>4.9.10 &lt;strong&gt;</li> <li>4.9.11 &lt;center&gt;</li> <li>4.9.12 &lt;sub&gt;</li> <li>4.9.13 &lt;sup&gt;</li> <li>4.9.14 &lt;blink&gt;</li> <li>4.9.15 &lt;marquee&gt;</li> <li>4.9.16 &lt;em&gt;</li> </ul>	<b>25</b>

	<ul style="list-style-type: none"> <li>4.9.17 &lt;abbr&gt;</li> <li>4.9.18 &lt;address&gt;</li> <li>4.9.19 &lt;hr&gt;</li> <li>4.9.20 &lt;br&gt;</li> <li>4.10 HTML images <ul style="list-style-type: none"> <li>4.10.1 &lt;img&gt;</li> <li>4.10.2 &lt;area&gt;</li> <li>4.10.3 &lt;map&gt;</li> </ul> </li> <li>4.11 HTML List <ul style="list-style-type: none"> <li>4.11.1 &lt;ol&gt;</li> <li>4.11.2 &lt;ul&gt;</li> <li>4.11.3 &lt;li&gt;</li> <li>4.11.4 &lt;lh&gt;</li> <li>4.11.5 &lt;dl&gt;</li> <li>4.11.6 &lt;dt&gt;</li> <li>4.11.7 &lt;dd&gt;</li> </ul> </li> <li>4.12 HTML Links and anchors <ul style="list-style-type: none"> <li>4.12.1 &lt;a&gt;</li> <li>4.12.2 relative link</li> <li>4.12.3 absolute link</li> <li>4.12.4 anchor</li> <li>4.12.5 &lt;base&gt;</li> <li>4.12.6 &lt;link&gt;</li> <li>4.12.7 links with text</li> <li>4.12.8 links with image</li> </ul> </li> <li>4.13 HTML table <ul style="list-style-type: none"> <li>4.13.1 &lt;table&gt;</li> <li>4.13.2 &lt;tr&gt;</li> <li>4.13.3 &lt;th&gt;</li> <li>4.13.4 &lt;td&gt;</li> <li>4.13.5 &lt;caption&gt;</li> </ul> </li> <li>4.14 HTML frame <ul style="list-style-type: none"> <li>4.14.1 &lt;frameset&gt;</li> <li>4.14.2 &lt;frame&gt;</li> <li>4.14.3 &lt;noframes&gt;</li> <li>4.14.4 &lt;iframe&gt;</li> </ul> </li> <li>4.15 HTML form <ul style="list-style-type: none"> <li>4.15.1 &lt;form&gt;</li> <li>4.15.2 &lt;input&gt;</li> <li>4.15.3 &lt;textarea&gt;</li> <li>4.15.4 &lt;select&gt;</li> <li>4.15.5 &lt;fieldset&gt;</li> <li>4.15.6 &lt;legend&gt;</li> <li>4.15.7 &lt;optgroup&gt;</li> </ul> </li> </ul>	
<b>TOTAL</b>		<b>55</b>

## **REFERENCE BOOKS:**

1. “Web Enabled Commercial Applications development using... HTML, Javascript, DHTML and PHP” 4<sup>th</sup> edition By : Ivan Bayross ( BPB Publication)
2. “World Wide Web design with HTML” By: C Xavier ( Tata McGraw Hill Publishing Company.)
3. “Internet & Web development using HTML, DHTML and javascript” By : Soma dasgupta (Khanna Book Publication)
4. “HTML for World Wide Web” By : Elizabeth Castro ( Peachpit Press)
5. “HTML Complete” 2<sup>nd</sup> edition ( BPB publication)

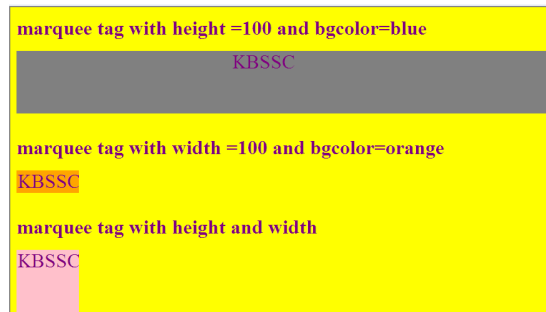
## **PROGRAM LIST**

1. Write an HTML Code to display “welcome to HTML” message with “My project” title.
2. Write an HTML code to display “welcome to HTML” message with green color background.
3. Write an HTML code to display “welcome to HTML” message and sets picture as background.
4. Write an HTML code to display “hello world” in bold and italic font.
5. Write an HTML code to display “Welcome to HTML” message with <h1> to <h6> heading tags.
6. Write an HTML code to display “welcome” in bold style, “to” in italic style and “HTML” in underline style.
7. Write an HTML code which displays your name in green color.
8. Write an HTML code to display the numbers 1 - 10, each number being a different color.
9. Write an HTML code to display your name in a Tahoma font
10. Write an HTML code to display a paragraph with 4 - 5 sentences. Each sentence should be a different font.
11. Write an HTML code to display a paragraph that is a description of a book, include the title of the book as well as its author. Names and titles should be underlined, adjectives should be italicized and bolded.
12. Write an HTML code to display your name to the screen with every letter being a different heading size.
13. Design a web code that demonstrate <br><hr> tag with all attribute.
14. Print the squares of the numbers 1 - 10. Each number should be on a separate line, next to it the number 2 superscripted, an equal sign and the result. (Example:  $10^2 = 100$ )
15. Prints 10 names with a line break between each name. The list should be alphabetized, and to do this place a subscripted number next to each name based on where it will go in the alphabetized list. (Example: Alan<sub>1</sub>). Print first, the unalphabetized list with a subscript number next to each name, then the alphabetized list. Both lists should have an <h1> level heading.
16. Print two paragraphs that are both indented using the &nbsp; command
17. Prints an h1 level heading followed by a horizontal line whose width is 100%. Below the horizontal line print a paragraph relating to the text in the heading.
18. Design a webcode that demonstrate <marquee> tag (Simple marquee)

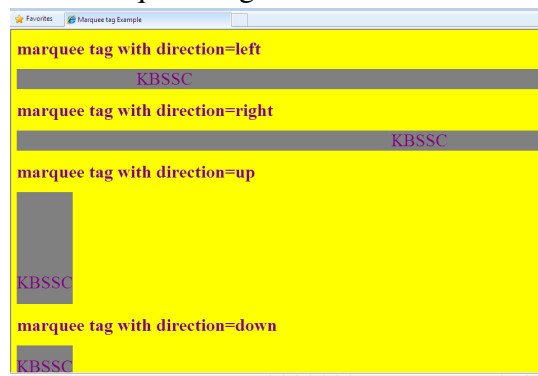
19. Design a webcode that demonstrate <marquee> tag with behavior attribute



20. Design a webpage that demonstrate <marquee> tag with height and width attribute

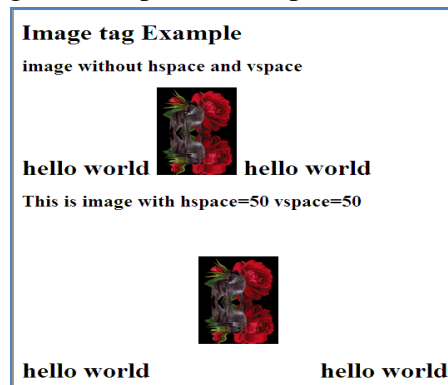


21. Design a webcode that demonstrate <marquee> tag with direction attribute

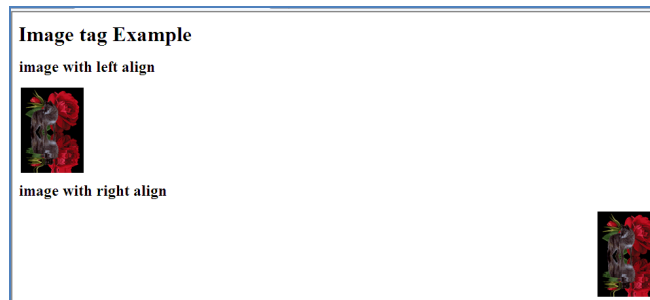


22. Display an image that has a border of size 2, a width of 200, and a height of 200.

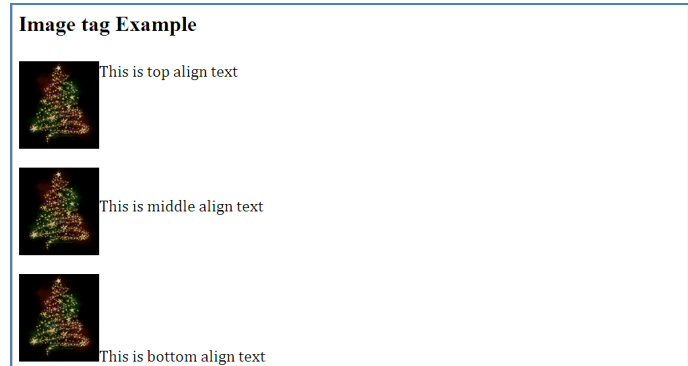
23. Design a web code that display image with hspace and vspace attribute



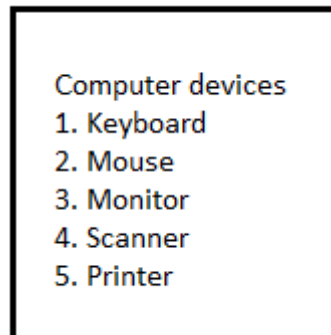
24. Design a web code that demonstrate align attribute of <img> tag



25. Design a web code that demonstrate align attribute of <img> tag



26. Create rectangle image map in image.
27. Create circle image map in image.
28. Create triangle angle image map in image.
29. Create any polygon shape image map in image.
30. Write an HTML code to display the following output using ordered list.



31. Write an HTML code to display the following output using ordered list.

- Computer Devices**
1. Key-Board
  2. Monitor
  5. Mouse
  6. Key-Board
  7. Monitor

32. Create an HTML code which displays following output.

1. Articles
    - a
    - an
    - the
  2. Conjunctions
    - And

- Or
- Not
- But

33. Create an HTML code as given below

**List of Subjects**

1. Client Side scripting Language
  - a. VBscript
  - b. Javascript
2. Server Side scripting Language
  - PHP
  - ASP
  - JSP
3. HTML

It is not a Programming language. It is a markup language.

34. Print two lists with any information you want. One list should be an ordered list, the other list should be an unordered list.

35. Write an HTML code to display the following output using ordered list and unordered list.

1. Input devices
  - Keyboard
  - Mouse
  - Scanner
  - Joystick
2. Output devices
  - Monitor
  - Printer
  - Plotter
3. Memory
  - RAM
  - ROM
  - PROM
  - EPROM
  - EEPROM

36. Print a definition list with 5 items.

37. Create an HTML code which contains hyperlinks.

38. Create some links to various search engines.

39. Create a code with a link at the top of it that when clicked will jump all the way to the bottom of the page.

40. Create a code with a link at the bottom of it that when clicked will jump all the way to the top of the page.

41. Create a code with a link at the top of it that when clicked will jump all the way to the bottom of the page.

At the bottom of the page there should be a link to jump back to the top of the page.

42. Display an image that when clicked will link to a search engine of your choice (should be opened in a new window).
43. Create an HTML file which displays 3 images containing hyperlink.
44. Create an HTML file which displays following code. By clicking on the link takes to the respective topic within the same page.

<p><b>Table of contents</b></p> <p><b><u>Chapter 1 : Introduction to HTML</u></b></p> <p><b><u>Chapter 2 : HTML images</u></b></p> <p><b><u>Chapter 3 : HTML links</u></b></p>
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45. Write an HTML code to display the following table with the following data.

Community	Male	Female
General	12	10
OBC	35	40
SC/ST	23	12

46. Write an HTML code to display the following table with the following data.

NO	NAME
P1201	AAA
P1202	BBB

47. Write an HTML code to display the following table with the following data.

Table1

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	

Left	Top	Right
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48. Create table with rowspan and colspan attribute of table in HTML. ( Prepare timetable of your class). Include cellpadding and cellspacing.
49. Write an HTML code to display the following table.



	Middle	
	Bottom	

50. Write an HTML code to display the following table.

STATE OF HEALTH	FASTING VALUE		AFTER EATING
	MINIMUM	MAXIMUM	
HEALTHY	70	100	2 HRS AFTER EATING
PRE – DIABETES	101	126	LESS THAN 140
DIABETES	MORE THAN 216	N/A	MORE THAN 200

51. Write an HTML code to display the following table.

	MON	TUE	WED	THU	FRI
MORNING	FREE	FREE	FREE	BUSY	FREE
AFTERNOON	BUSY			FREE	
EVENING	FREE		BUSY		
OVERNIGHT					

52. Create an HTML table like below :

red	
blue	
green	
orange	

53. Write an HTML code to display the following table output.

	Year length	Day length
<b>Mercury</b>	88 days	59 days
<b>Venus</b>	225 days	243 days
<b>Earth</b>	365 days	24 hours
<b>Mars</b>	687 days	24.6 hours

54. Write an HTML code to display the following table output.

Conference Schedule	
Convention Office and Press Room	8:00 am to 6:00 pm
Registration	8:00 am to 6:00 pm
Professional Placement Service	8:00 am to 6:00 pm
Panel Paper Room Sales	9:30 am to 5:30 pm
Exhibits	9:30 am to 5:30 pm
Child Care	8:30 am to 10:00 pm

55. Design following frame in HTML.

1.html
2.html

56. Design following frame Structure in HTML.

1.html	2.html	3.html
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57. Design following frame Structure in HTML.

1.html	2.html
3.html	

58. Design following frame Structure in HTML.

1.html	2.html	4.html
	3.html	

59. Design following frame Structure in HTML

1.html	2.html	3.html
4.html		5.html
6.html		7.html

60. Create a set of frames to show the following data

<u>Fruits</u> <u>Animals</u> <u>Birds</u>	Select any of the item shown on the left frame.
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61. Design the web code to display the following table with hyperlinks the department name for every information inside the table

Sr. no.	Department Name	Courses	
		UG	PG
1	<u>Computer Science</u>	Yes	Yes
2	<u>Maths</u>	Yes	Yes
3	<u>Chemistry</u>	No	Yes
4	<u>Commerce</u>	Yes	Yes

62. Create an HTML code using frames.

<b>SMT. K.B.Shah (Vadi vihar) Science College</b>	
Courses <u>BSCIT</u>	Content

<u>BCA</u>	
<u>PGDCA</u>	
<u>MSCIT(Web. Tech)</u>	

63. Create an HTML code with inline frames which displays selected department page into the frame.

<u>Computer Science</u>	<u>Physics</u>	<u>Chemistry</u>	<u>Maths</u>	
<table border="1" style="margin: auto;"> <tr> <td>Inline frame which displays the page of selected department</td> </tr> </table>				Inline frame which displays the page of selected department
Inline frame which displays the page of selected department				

64. Create your resume using HTML tags also experimented with colors, text, link, size and also other tags.

65. Create the following form using form elements.

**Fruit Survey**

Name

Address

Email

How many pieces of fruit do you eat per day?

0

1

2

More than 2

My favourite fruit

Would you like a brochure?

66. Write an HTML code to display the following form output.

Name:

email:

**Input and then hit submit.**

67. Write an HTML code to display the following output using form elements.

## Insert Data Form

Employee ID:	<input type="text"/>
First Name:	<input type="text"/>
Last Name:	<input type="text"/>
Department Number:	<input type="text"/>
Start Date:	<input type="text"/>
Salary:	<input type="text"/>
Contractor:	<input checked="" type="checkbox"/> Yes
<input type="button" value="Submit"/> <input type="button" value="Clear Form"/>	

68. Write an HTML code to display the following output using form elements.

Enter no1 :	<input type="text"/>
Enter no2 :	<input type="text"/>
<input type="button" value="+"/> <input type="button" value="-"/> <input type="button" value="*"/> <input type="button" value="/"/>	
Answer :	<input type="text"/>

69. Write an HTML code to display the following output using form elements.

Enter no1 :	<input type="text"/>
Enter no2 :	<input type="text"/>
<input type="button" value="&gt;"/> <input type="button" value="&lt;"/>	
Answer :	<input type="text"/>

70. Write an HTML code to display the form which demonstrates fieldset and optgroup form elements.