



C. U. SHAH UNIVERSITY

Wadhwan City

FACULTY OF: Computer Science
DEPARTMENT OF: Bachelor of Computer Application
SEMESTER : I
CODE: - 4CS01BNT1
NAME: Introduction to Networking & Internet

Teaching and Evaluation Scheme

Sr. No	Subject Code	Subject Name	Teaching Hours/Week				Credits	Evaluation Scheme/Semester								
			T h	T u	P r	Total		Theory				Practical			Total Marks	
								Sessional Exam		University Exam		Internal		Uni.		
								Marks	Hrs	Marks	Hrs	Pr	TW	Pr		
5	4CS01BNT1	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	Networking Basics	<ul style="list-style-type: none"> ➤ Concept and Objectives of Network ➤ Network Services ➤ Network Model <ul style="list-style-type: none"> ○ Client Server ○ Peer to Peer ➤ Types of Network <ul style="list-style-type: none"> ○ LAN, MAN, WAN, PAN, CAN ➤ Data communication and its effectiveness ➤ Components of Data communication 	10
2	Addressing and Topologies	<ul style="list-style-type: none"> ➤ Introduction to Internet and Intranet ➤ Internet connection requirement <ul style="list-style-type: none"> ○ Dial up ○ Leased Line ○ ISDN ○ ADSL ○ Cable modem ➤ IPv4 and IPv6 ➤ DNS 	12

		<ul style="list-style-type: none"> ➤ Data Flow Modes <ul style="list-style-type: none"> ○ Simple ○ Half-duplex ○ Full-duplex ➤ Transmission Modes <ul style="list-style-type: none"> ○ Serial <ul style="list-style-type: none"> • Asynchronous • Synchronous • Isochronous ○ Parallel ➤ Topology <ul style="list-style-type: none"> ○ Bus ○ Ring ○ Star ○ Mesh ○ Tree ○ Hybrid ➤ Addressing <ul style="list-style-type: none"> ○ Physical ○ Logical ○ Port ○ Specific 	
3	Transmission Media	<ul style="list-style-type: none"> ➤ Transmission Media <ul style="list-style-type: none"> ○ Guided (wired) <ul style="list-style-type: none"> • Twisted pair • Coaxial • Fiber optic ○ Unguided(wireless) <ul style="list-style-type: none"> • Free Space 	8
4	HTML	<p>4.1 Introduction to HTML</p> <p>4.2 HTML tags</p> <p>4.3 HTML document structure</p> <p>4.4 Document tags</p> <ul style="list-style-type: none"> 4.4.1 <html> 4.4.2 <head> 4.4.3 <title> 4.4.4 <body> <p>4.5 Colors in HTML</p> <p>4.6 Comment tag (<!-- ... -->)</p> <p>4.7 Heading tags(<h1>... <h6>)</p> <p>4.8 HTML Paragraph tag(<p>)</p> <p>4.9 Formatting tags</p> <ul style="list-style-type: none"> 4.9.1 <pre> 4.9.2 <blockquote> 4.9.3 4.9.4 <i> 4.9.5 <u> 4.9.6 <strike> 4.9.7 <tt> 4.9.8 <small> 4.9.9 <big> 	25

		<ul style="list-style-type: none">4.9.10 4.9.11 <center>4.9.12 <sub>4.9.13 <sup>4.9.14 <blink>4.9.15 <marquee>4.9.16 4.9.17 <abbr>4.9.18 <address>4.9.19 <hr>4.9.20
	
		4.10 HTML images	
		<ul style="list-style-type: none">4.10.1 4.10.2 <area>4.10.3 <map>	
		4.11 HTML List	
		<ul style="list-style-type: none">4.11.1 4.11.2 4.11.3 4.11.4 <lh>4.11.5 <dl>4.11.6 <dt>4.11.7 <dd>	
		4.12 HTML Links and anchors	
		<ul style="list-style-type: none">4.12.1 <a>4.12.2 relative link4.12.3 absolute link4.12.4 anchor4.12.5 <base>4.12.6 <link>4.12.7 links with text	
		4.12.8 links with image	
		4.13 HTML table	
		<ul style="list-style-type: none">4.13.1 <table>4.13.2 <tr>4.13.3 <th>4.13.4 <td>4.13.5 <caption>	
		4.14 HTML frame	
		<ul style="list-style-type: none">4.14.1 <frameset>4.14.2 <frame>4.14.3 <noframes>4.14.4 <iframe>	
		4.15 HTML form	
		<ul style="list-style-type: none">4.15.1 <form>4.15.2 <input>4.15.3 <textarea>	

		4.15.4 <select> 4.15.5 <fieldset> 4.15.6 <legend> 4.15.7 <optgroup>	
TOTAL			55

REFERENCE BOOKS:

1. “Web Enabled Commercial Applications development using... HTML, Javascript, DHTML and PHP” 4th 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” 2nd edition (BPB publication)

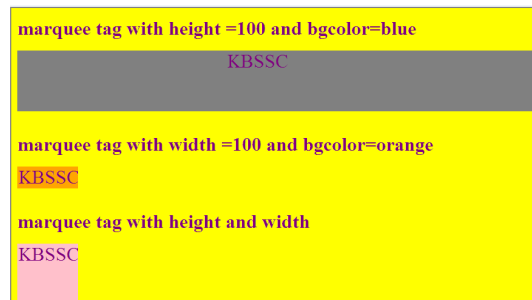
PROGRAM LIST

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
<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: 10² = 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: Alan₁). 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 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)

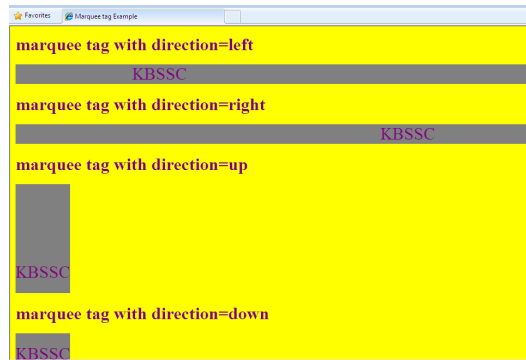
19. Design a webcode that demonstrate <marquee> tag with behavior attribute



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

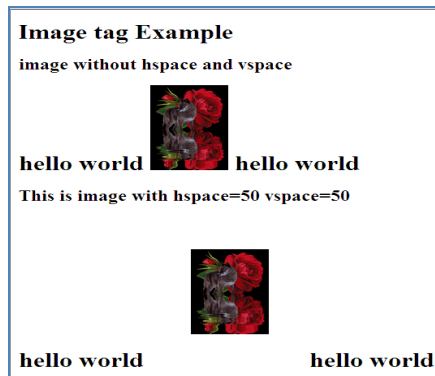


21. Design a webcode that demonstrate <marquee> tag with direction attribute

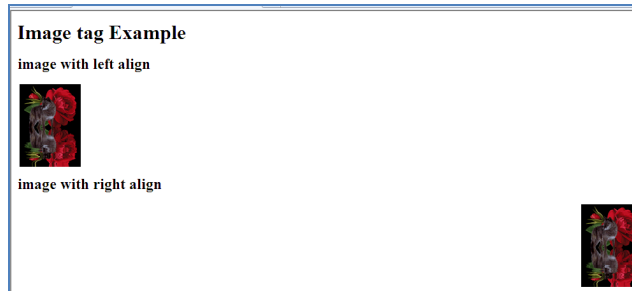


22. Display an image that has a border of size 2, a width of 200, and a height of 200.

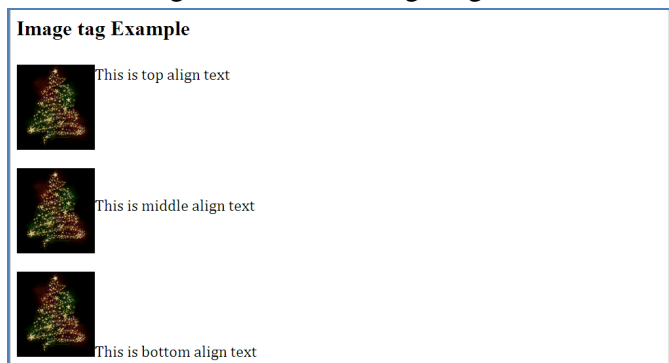
23. Design a web code that display image with hspace and vspace attribute



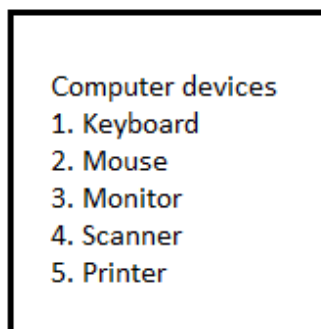
24. Design a web code that demonstrate align attribute of tag



25. Design a web code that demonstrate align attribute of 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.

- | |
|---|
| <ol style="list-style-type: none">1. Articles<ul style="list-style-type: none">• a• an• the2. Conjunctions<ul style="list-style-type: none">• And• Or• Not• But |
|---|

33. Create an HTML code as given below

- | |
|---|
| <p style="text-align: center;">List of Subjects</p> <ol style="list-style-type: none">1. Client Side scripting Language<ol style="list-style-type: none">a. VBscriptb. Javascript2. Server Side scripting Language<ul style="list-style-type: none">• PHP• ASP• JSP3. 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.

Table of contents
<u>Chapter 1 : Introduction to HTML</u>
<u>Chapter 2 : HTML images</u>
<u>Chapter 3 : HTML links</u>

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

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.

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

STATE OF HEALTH	FASTING VALUE		AFTER EATING
	MINIMUM	MAXIMUM	

Left	Top	Right
	Middle	
	Bottom	

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			BUSY	
EVENING	FREE		FREE		
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
Mercury	88 days	59 days
Venus	225 days	243 days
Earth	365 days	24 hours
Mars	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	Computer Science	Yes	Yes
2	Maths	Yes	Yes
3	Chemistry	No	Yes
4	Commerce	Yes	Yes

62. Create an HTML code using frames.

SMT. K.B.Shah (Vadi vihar) Science College	
Courses BSCIT BCA PGDCA MSCIT(Web. Tech)	Content

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

Computer Science	Physics	Chemistry	Maths
<div style="border: 1px solid black; display: inline-block; padding: 5px;"> Inline frame which displays the page of selected </div>			

	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

Apple

Banana

Plum

Pomegranate

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:

First Name:

Last Name:

Department Number:

Start Date:

Salary:

Contractor: Yes

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=">"/> <input type="button" value="<"/>	
Answer :	<input type="text"/>

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