



**SIDDHARTH GROUP OF INSTITUTIONS:: PUTTUR
(AUTONOMOUS)**

Siddharth Nagar, Narayanavanam Road – 517583

QUESTION BANK (DESCRIPTIVE)

Subject with Code: Web Technologies(16CS519)

Course & Branch: B.Tech - CSIT

Year & Sem: IV-B.Tech & I-Sem

Regulation: R16

**UNIT –I
HTML AND HTML5**

1	State the types of lists supported by HTML and explain the lists with necessary attributes. Write the html code to print nested lists.	[L2][CO2]	[12M]																														
2	a List and explain any four HTML elements in detail.	[L6][CO2]	[4M]																														
	b Create a static webpage using table tags of HTML.	[L1][CO2]	[8M]																														
	<table border="1" style="margin-left: 40px;"> <thead> <tr> <th rowspan="3">Day</th> <th colspan="2">Seminar</th> <th rowspan="3">Topic</th> </tr> <tr> <th colspan="2">Schedule</th> </tr> <tr> <th>Begin</th> <th>End</th> </tr> </thead> <tbody> <tr> <td rowspan="2">Monday</td> <td>8:00 a.m.</td> <td>5:00 p.m.</td> <td>Introduction to XML</td> </tr> <tr> <td></td> <td></td> <td>Validity: DTD and Relax NG</td> </tr> <tr> <td rowspan="2">Tuesday</td> <td>8:00 a.m.</td> <td>11:00 a.m.</td> <td>XPath</td> </tr> <tr> <td>11:00 a.m.</td> <td>2:00 p.m.</td> <td></td> </tr> <tr> <td></td> <td>2:00 p.m.</td> <td>5:00 p.m.</td> <td>XSL Transformations</td> </tr> <tr> <td>Wednesday</td> <td>8:00 a.m.</td> <td>12:00 p.m.</td> <td>XSL Formatting Objects</td> </tr> </tbody> </table>	Day	Seminar		Topic	Schedule		Begin	End	Monday	8:00 a.m.	5:00 p.m.	Introduction to XML			Validity: DTD and Relax NG	Tuesday	8:00 a.m.	11:00 a.m.	XPath	11:00 a.m.	2:00 p.m.			2:00 p.m.	5:00 p.m.	XSL Transformations	Wednesday	8:00 a.m.	12:00 p.m.	XSL Formatting Objects		
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3	a What is html? Explain the various html tags to develop web pages.	[L1][CO2]	[6M]																														
	b Define frame. Create a HTML page that displays multiple frames in a window.	[L6][CO2]	[6M]																														
4	a Discuss in detail about Multimedia with an example.	[L6][CO2]	[4M]																														
	b Design the static web page that display a table with three rows and three columns as shown below:	[L1][CO2]	[8M]																														
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5	What is the significance of using forms on the web page? Enlist various components used on form with an example.	[L2][CO2]	[12M]																														
6	Explain the frames and table tags of HTML with suitable example.	[L2][CO2]	[12M]																														
7	a Which type of html tags can be used in formatting text. Explain with suitable examples.	[L2][CO2]	[7M]																														
	b Discuss about Working with Links and URLs with example.	[L6][CO2]	[5M]																														
8	a Explain about Creating Editable Content.	[L2][CO2]	[6M]																														
	b Write short note on Client side storage.	[L1][CO2]	[6M]																														
9	a Explain Working with Images with example .	[L5][CO2]	[6M]																														
	b Write short note on Checking spelling mistakes with example.	[L1][CO2]	[6M]																														
10	a Create a HTML table with columns for a Country name, National sport, National flower, National animal, National tree. There must be atleast five states as rows in the table.	[L2][CO2]	[6M]																														
	b Illustrate the structure of HTML5 document with neat example.	[L2][CO2]	[6M]																														

UNIT –II
CSS AND JAVASCRIPT

1	List and explain in detail the various selector strings with example.	[L4][CO2]	[12M]
2	In how many ways we can insert CSS in an html document with an example for each.	[L1][CO2]	[12M]
3	What is CSS? List out the various properties. Explain the various concepts of CSS properties with neat example.	[L5][CO2]	[12M]
4	Discuss in detail about backgrounds in CSS.	[L6][CO2]	[12M]
5	a Determine the features of cascading style sheets.	[L5][CO2]	[5M]
	b Describe in detail about Text properties.	[L2][CO2]	[7M]
6	State and explain the types of statements in javascript.	[L2][CO3]	[12M]
7	a Define Function in JavaScript. Write a program using functions with arguments.	[L1][CO3]	[6M]
	b Develop a program using onclick Event in JavaScript.	[L3][CO3]	[6M]
8	Explain briefly about Built in Java script Objects.	[L2][CO3]	[12M]
9	a Write programs to illustrate Popup Boxes in JavaScript.	[L1][CO1]	[6M]
	b Explain briefly about JavaScript working with Document Object.	[L2][CO3]	[6M]
10	a What is JQuery? Explain JQuery Selectors?	[L1][CO3]	[6M]
	b What are the methods to access Html elements and attributes?	[L1][CO1]	[6M]

UNIT –III
INTRODUCTION TO PHP

1	Explain various data types available in PHP.	[L2][CO1]	[12M]
2	List out different types of sorting functions in PHP? Explain with example in detail?	[L4][CO1]	[12M]
3	a Write a program to find average of first ten natural numbers using for loop.	[L1][CO1]	[6M]
	b Write a note on various library functions available in PHP.	[L1][CO1]	[6M]
4	a How to write HTML code in PHP?	[L1][CO1]	[6M]
	b What is the use of GET and POST methods in PHP?	[L1][CO3]	[6M]
5	a Develop a program to create Index Based and Associative Arrays in PHP.	[L3][CO1]	[6M]
	b Write a program of Using String predefined functions in php.	[L1][CO1]	[6M]
6	Explain in detail the types of inheritance supports by PHP.	[L1][CO3]	[12M]
7	What is the difference between Session and Cookie? Write a program to create a session, to set a value in session, and to remove data from a session.	[L2][CO3]	[12M]
8	What is RDBMS? How to create a connection between PHP and My SQL?	[L5][CO3]	[12M]
9	Write a php program to check the user credentials, whether they are correct are not. If the credentials are correct then the user will be redirected to another page.	[L1][CO1]	[12M]
10	How to retrieve HTML form data with PHP?	[L1][CO3]	[12M]

UNIT –IV
PYTHON

1	a	Who uses python today? What are Python's technical strengths?	[L1][CO2]	[6M]
	b	Write the program to print the hello world.	[L1][CO2]	[6M]
2	a	Write a python program to read input using REPL(Shell) and display the output.	[L1][CO2]	[6M]
	b	List different conditional statements in python with appropriate examples.	[L4][CO1]	[6M]
3		What are the different loop control statements available in python? Explain with suitable examples.	[L1][L5][CO1]	[12M]
4		Describe the process of storing and accessing data using dictionaries.	[L2][CO3]	[12M]
5	a	Write a python program to read the data from file .	[L1][CO1]	[6M]
	b	Write Python program to calculate your age in days. (Days between Today and Date of Birth).	[L1][CO1]	[6M]
6		What are different types of operators in python and explain it with an example for each type.	[L1][CO2]	[12M]
7	a	Explain about the need for learning python programming and its importance.	[L2][CO2]	[6M]
	b	What are the different Loops available in python?	[L1][CO2]	[6M]
8	a	Explain briefly about different types of arguments in a function.	[L2][CO2]	[6M]
	b	What are Python assignment operators? Explain it.	[L1][CO2]	[6M]
9	a	Write a Python function that prints all factors of a given number.	[L1][CO2]	[6M]
	b	Write the rules for choosing names of variables.	[L1][CO2]	[6M]
10		How to create a module and use it in a python program? Explain with an example.	[L1][CO2]	[12M]

UNIT –V
XML AND AJAX

1	a	What is a Document Type Definition (DTD)?	[L1][CO2]	[6M]
	b	What's the future of XML?	[L1][CO2]	[6M]
2	a	How XML is changing the Web?	[L1][CO2]	[6M]
	b	Write XML Schema for library information system.	[L1][CO2]	[6M]
3	a	What are the XML namespaces and how are they declared?	[L1][CO1]	[6M]
	b	Explain about various types of XML parsers?	[L2][CO1]	[6M]
4		Discuss in detail about XML Schema with an example.	[L6][CO1]	[12M]
5	a	Write a short note on DOM.	[L1][CO2]	[6M]
	b	Explain the four possible keywords in a DTD declaration with suitable examples.	[L2][CO1]	[6M]
6	a	Write short notes on simple Ajax application.	[L1][CO3]	[6M]
	b	Explain XML schema languages.	[L2][CO1]	[6M]
7	a	Compare and contrast DOM parser with SAX Parser.	[L5][CO1]	[6M]
	b	Discuss about XSLT in XML.	[L6][CO2]	[6M]
8		What is AJAX? When can we use AJAX? Explain with an example.	[L1][CO3]	[12M]
9	a	What is the difference between XML HTTP Request and AJAX ?	[L1][CO1]	[6M]
	b	Discuss the security issues of AJAX.	[L6][CO3]	[6M]
10	a	Write the advantages of XML schemas over Document Type Definition.	[L1][CO2]	[6M]
	b	Give a brief note on DOM parser.	[L2][CO2]	[6M]

Prepared by:
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