



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

Siddharth Nagar, Narayanavanam Road – 517583

QUESTION BANK (DESCRIPTIVE)

Subject with Code: Web Technologies(18CS0523)

Course & Branch:B.Tech - CSE

Year & Sem: III-B.Tech & II-Sem

Regulation: R18

**UNIT –I
WEB ESSENTIALS AND MARKUP LANGUAGES**

1	a	What is Frame?	[L1][CO1]	[2M]																												
	b	List out the basic Internet Protocols	[L1][CO1]	[2M]																												
	c	What are HTML forms?	[L1][CO1]	[2M]																												
	d	Discuss about comments in HTML.	[L6][CO1]	[2M]																												
	e	List out some important HTML elements.	[L1][CO1]	[2M]																												
2	a	Discuss about HTTP Request-Response Message?	[L][CO1]	[5M]																												
	b	List and explain any four protocols associated with internet.	[L1][CO1]	[5M]																												
3		State the types of lists supported by HTML and explain the lists with necessary attributes. Write the html code to print nested lists.	[L2][CO1]	[10M]																												
4	a	Write a short note on W3C.	[L3] [CO1]	[4M]																												
	b	Define frame. Create a HTML page that displays multiple frames in a window.	[L6][CO1]	[6M]																												
5	a	Discuss in detail about Multimedia with an example.	[L6][CO1]	[5M]																												
	b	Explain Working with Images with example .	[L2] [CO1]	[5M]																												
6	a	Design the static web page that display a table with three rows and three columns as shown below: <table border="1" style="margin-left: auto; margin-right: auto;"> <tbody> <tr> <td>Column 1</td> <td>Column 2</td> <td>Column 3</td> </tr> <tr> <td rowspan="2">Row 1 Cell 1</td> <td>Row 1 Cell 2</td> <td>Row 1 Cell 3</td> </tr> <tr> <td>Row 2 Cell 2</td> <td>Row 2 Cell 3</td> </tr> <tr> <td colspan="3">Row 3 Cell 1</td> </tr> </tbody> </table>	Column 1	Column 2	Column 3	Row 1 Cell 1	Row 1 Cell 2	Row 1 Cell 3	Row 2 Cell 2	Row 2 Cell 3	Row 3 Cell 1			[L6][CO1]	[4M]																	
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b	Explain about table tags with suitable example.	[L2][CO1]	[6M]																													
7		What is the significance of using forms on the web page? Enlist various components used on form with an example.	[L1][CO1]	[10M]																												
8	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.	[L6] [CO1]	[5M]																												
	b	Discuss about Working with Links and URLs with example.	[L6][CO1]	[5M]																												
9	a	List and explain any four HTML elements in detail.	[L2] [CO1]	[6M]																												
	b	Create a static webpage using table tags of HTML. <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th rowspan="3">Day</th> <th colspan="3">Seminar</th> </tr> <tr> <th colspan="2">Schedule</th> <th rowspan="2">Topic</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 colspan="3">Validity: DTD and Relax NG</td> </tr> <tr> <td rowspan="3">Tuesday</td> <td>8:00 a.m.</td> <td>11:00 a.m.</td> <td rowspan="2">XPath</td> </tr> <tr> <td>11:00 a.m.</td> <td>2:00 p.m.</td> </tr> <tr> <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			Schedule		Topic	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	[L6][CO1]
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10		Illustrate the structure of HTML5 document with neat example.	[L2] [CO1]	[10M]																												

UNIT –II
STYLE SHEETS AND CLIENT-SIDE PROGRAMMING

1	a	What are Style Sheets?	[L1][CO2]	[2M]
	b	What are the six JavaScript data types?	[L1][CO2]	[2M]
	c	Give the syntax of CSS rule.	[L2][CO2]	[2M]
	d	List out some primary CSS text properties.	[L1][CO2]	[2M]
	e	List out the class of selectors.	[L1][CO2]	[2M]
2	List and explain in detail the various selector strings with example.		[L2][CO2]	[10M]
3	In how many ways we can insert CSS in an html document with an example for each.		[L1][CO2]	[10M]
4	What is CSS? List out the various properties. Explain the various concepts of CSS properties with neat example.		[L2][CO2]	[10M]
5	a	Determine the features of cascading style sheets.	[L5][CO2]	[5M]
	b	Discuss in detail about backgrounds in CSS.	[L6][CO2]	[5M]
6	List and explain javascript operators with an example.		[L2][CO2]	[10M]
7	Define Function in JavaScript. Write a program using functions with arguments.		[L1][CO2]	[10M]
8	Explain briefly about Built in Java script Objects.		[L2][CO2]	[10M]
9	State and explain the types of statements in javascript .		[L2][CO2]	[10M]
10	a	Develop a program using onclick Event in JavaScript.	[L6][CO2]	[5M]
	b	Write a javascript program for Fibonacci series.	[L6][CO2]	[5M]

UNIT –III
HOST OBJECTS AND SERVER-SIDE PROGRAMMING

1	a	List out some of the HTML intrinsic event attributes.	[L1][CO3]	[2M]
	b	What is DOM?	[L1][CO3]	[2M]
	c	List out some common window object methods.	[L1][CO3]	[2M]
	d	Define servlet.	[L1][CO3]	[2M]
	e	What are the functions of doGet() and doPost() methods?	[L1][CO3]	[2M]
2	Write a servlet code to get parameters from HTML document.		[L3][CO3]	[10M]
3	a	Difference between Generic Servlet and HttpServlet.	[L2][CO3]	[5M]
	b	Describe DOM Event handling.	[L1][CO3]	[5M]
4	State and explain intrinsic event handling with example.		[L2][CO3]	[10M]
5	Describe the servlet architecture and Execution of servlet for the program to display a welcome message on the client system.		[L1][CO3]	[10M]
6	What is servlet? What are the advantages of servlet? Explain the Life cycle of servlets.		[L1][CO3]	[10M]
7	Explain about a)HTTP servlet Request b)HTTP servlet Response with syntax.		[L2][CO3]	[10M]
8	Write html and servlet to demonstrate invoking a servlet from a html.		[L6][CO3]	[10M]
9	Explain in detail about working of cookies with an example.		[L2][CO3]	[10M]
10	Write a Java servlet program to change the Background color of the page by the color selected by the user from the list box.		[L6][CO3]	[10M]

UNIT –IV
INTRODUCTION TO PHP AND REPRESENTING WEB DATA

1	a	What do you mean by PHP?	[L1][CO4]	[2M]
	b	Define cookies.	[L1][CO4]	[2M]
	c	What is the use of XML declaration?	[L1][CO4]	[2M]
	d	What are XML Parsers?	[L1][CO4]	[2M]
	e	How is XML parsing done with SAX?	[L2][CO4]	[2M]
2	State and explain built-in functions in PHP.		[L2][CO4]	[10M]
3	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.		[L6][CO4]	[10M]
4	a	Explain Regular expressions in PHP with an example.	[L3][CO4]	[5M]
	b	Discuss XML Namespaces .	[L6][CO4]	[5M]
5	a	Write a program to find average of first ten natural numbers using for loop.	[L6][CO4]	[5M]
	b	Illustrate SAX –Transforming XML documents.	[L2][CO4]	[5M]
6	Explain DOM based XML processing.		[L2][CO4]	[10M]
7	List the types of XML DTD with an example.		[L1][CO4]	[10M]
8	Describe program control statements in PHP.		[L4][CO4]	[10M]
9	Write a Java servlet Program to implement the Book Information using JDBC.		[L3][CO4]	[10M]
10	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.		[L6][CO4]	[10M]

UNIT –V
AJAX AND XML SCHEMA-COMMUNICATING OBJECT DATA

1	a	What are Web Services?	[L1][CO5]	[2M]
	b	What is SOAP?	[L1][CO5]	[2M]
	c	Define AJAX.	[L1][CO5]	[2M]
	d	What is WSDL?	[L1][CO5]	[2M]
	e	Define MIME.	[L1][CO5]	[2M]
2	a	How XML is changing the Web?	[L2][CO5]	[5M]
	b	Write short notes on simple Ajax application.	[L6][CO5]	[5M]
3	Explain client server architecture in AJAX.		[L3][CO5]	[10M]
4	Explain the method of creating a web service client with an example.		[L2][CO5]	[10M]
5	What is XML schema ? Explain in detail .		[L1][CO5]	[10M]
6	Briefly discuss storing java objects as files.		[L6][CO5]	[10M]
7	Explain Java web service API with an example.		[L3] [CO5]	[10M]
8	a	What are the different data types used in XML schema?	[L1] [CO5]	[4M]
	b	Compare DTD and schema.	[L3] [CO5]	[6M]
9	Design simple application for accessing the data using XML.		[L5][CO5]	[10M]
10	a	What is the difference between XML HTTP Request and AJAX ?	[L1][CO5]	[5M]
	b	Discuss the security issues of AJAX.	[L2][CO5]	[5M]

Prepared by:

Mr. T. Kataiah, Assistant Professor/SISTK-CSE