Course Code: 18CS0523 **R18**

SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY :: PUTTUR
Siddharth Nagar, Narayanavanam Road – 57583

QUESTION BANK (DESCRIPTIVE)

Subject with Code : Web Technologies(18CS0523) **Course & Branch**: B.Tech –CSE /CSIT

Year & Sem: III B.Tech & IISem **Regulation:** R18

UNIT –I
WEB ESSENTIALSANDMARKUP LANGUAGES

1	**a**	What is Frame?	[L1][CO1]	**[2M]**
	b	List out the basic Internet Protocols	[L4][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.	[L4][CO1]	**[2M]**
2	**a**	Discuss about HTTP Request-Response Message?	[L6][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.	[L5][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><tr><td>Columu 1</td><td>Columu 2</td><td>Columu 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></table>	[L6][CO1]	**[4M]**
	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.	[L1][CO1]	**[6M]**
	b	Create a static webpage using table tags of HTML. <table><tr><th rowspan="2">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><tr><td>Monday</td><td>8:00 a.m.</td><td>5:00 p.m.</td><td>Introduction to XML</td></tr><tr><td rowspan="3">Tuesday</td><td>8:00 a.m.</td><td>11:00 a.m.</td><td>Validity: DTD and Relax NG</td></tr><tr><td>11:00 a.m.</td><td>2:00 p.m.</td><td>XPath</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></table>	[L6][CO1]	**[4M]**
10	Illustrate the structure of HTML5 document with neat example.		[L2][CO1]	**[10M]**

UNIT –II

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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.		[L1][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.		[L1][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.		[L1][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.		[L3][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.		[L3][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]**

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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.	[L3][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 ANDXML 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.	[L3][CO5]	**[10M]**
7		Explain Java web service API with an example.	[L3] [CO5]	**[10M]**
8	a	What are the different datatypes used in XML schema?	[L1] [CO5]	**[4M]**
	b	Compare DTD and schema.	[L3] [CO5]	**[6M]**

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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]**

Preparedby:

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