



**SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY :: PUTTUR
(AUTONOMOUS)**

Siddharth Nagar, Narayanavanam Road – 517583

QUESTION BANK (DESCRIPTIVE)

Subject with Code: Web Technologies(19CS0525)

Course & Branch : B.Tech – CSE, CSIT

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

Regulation : R19

**UNIT –I
MARKUP LANGUAGES & STYLE SHEETS**

1	a	What is HTML? Briefly explain the tags in HTML?	[L1] [CO1]	[06M]
	b	Explain XHTML and Specify some new tags in XHTML?	[L4] [CO1]	[06M]
2		Create a simple webpage using HTML5 Semantic and Structural Elements.	[L6] [CO1]	[12M]
3		Explain HTML 5.0 and mention the tag differences between HTML and HTML 5.0?	[L2] [CO1]	[12M]
4	a	Write a short note on W3C.	[L3] [CO1]	[06M]
	b	Define frame. Create a HTML page that displays multiple frames in a window.	[L5] [CO1]	[06M]
5	a	Discuss in detail about Multimedia with an example.	[L6] [CO1]	[06M]
	b	Explain Working with Images with example.	[L2] [CO1]	[06M]
6	a	What is CSS? Explain with syntax.	[L6] [CO1]	[04M]
	b	Distinguish between CSS and CSS 5.0	[L2] [CO1]	[08M]
7		List and explain in detail the various selector strings with example.	[L1] [CO1]	[12M]
8	a	Determine the features of cascading style sheets.	[L6] [CO1]	[04M]
	b	Discuss in detail about backgrounds in CSS.	[L6] [CO1]	[08M]
9		In how many ways we can insert CSS in an html document with an example.	[L1] [CO1]	[12M]
10		Create a webpage using HTML and add CSS to the webpage.	[L2] [CO1]	[12M]

**UNIT –II
CLIENT-SIDE PROGRAMMING**

1		Briefly discuss about history and versions of JavaScript.	[L1][CO2]	[12M]
2		Define Function in JavaScript. Write a program using functions with arguments.	[L2][CO2]	[12M]
3		Explain briefly about Built in Java script Objects.	[L1][CO2]	[12M]
4		Explain the JavaScript Debuggers with example.	[L2][CO2]	[12M]
5	a	Explain JavaScript Arrays?	[L5][CO2]	[06M]
	b	What are the primitive data types in JavaScript?	[L6][CO2]	[06M]
6		What are the Operators in JavaScript with example?	[L1][CO2]	[12M]
7		Write a JavaScript validation for creating registration form	[L1][CO2]	[12M]
8		List and explain JavaScript operators with an example.	[L2][CO2]	[12M]
9		State and explain the types of statements in JavaScript.	[L1][CO2]	[12M]
10	a	Develop a program using onclick Event in JavaScript.	[L6][CO2]	[06M]
	b	Write a JavaScript program for Fibonacci series.	[L6][CO2]	[06M]

UNIT –III
HOST OBJECTS AND SERVER-SIDE PROGRAMMING

1	a	List out some of the HTML intrinsic event attributes.	[L1][CO3]	[03M]
	b	What is DOM?	[L1][CO3]	[03M]
	c	Define servlet.	[L1][CO3]	[03M]
	d	What are the functions of doGet() and doPost() methods?	[L1][CO3]	[03M]
2		Write a servlet code to get parameters from HTML document.	[L2][CO3]	[12M]
3	a	Difference between Generic Servlet and HttpServlet.	[L1][CO3]	[06M]
	b	Describe DOM Event handling.	[L5][CO3]	[06M]
4		State and explain intrinsic event handling with example.	[L2][CO3]	[12M]
5		Describe the servlet architecture and Execution of servlet for the program to display a welcome message on the client system.	[L5][CO3]	[12M]
6		What is servlet? What are the advantages of servlet? Explain the Life cycle of servlets.	[L1][CO3]	[12M]
7		Explain about a) HTTP servlet Request b) HTTP servlet Response with syntax.	[L1][CO3]	[12M]
8		Write html and servlet to demonstrate invoking a servlet from a html.	[L2][CO3]	[12M]
9		Explain in detail about working of cookies with an example.	[L1][CO3]	[12M]
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]	[12M]

UNIT –IV
INTRODUCTION TO PHP AND REPRESENTING WEB DATA

1	a	What do you mean by PHP?	[L1][CO4]	[03M]
	b	Define cookies.	[L1][CO4]	[03M]
	c	What is the use of XML declaration?	[L1][CO4]	[03M]
	d	What are XML Parsers?	[L1][CO4]	[03M]
2		State and explain built-in functions in PHP.	[L2][CO4]	[12M]
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]	[12M]
4	a	Explain Regular expressions in PHP with an example.	[L3][CO4]	[06M]
	b	Discuss XML Namespaces.	[L6][CO4]	[06M]
5	a	Write a program to find average of first ten natural numbers using for loop.	[L6][CO4]	[06M]
	b	Illustrate SAX –Transforming XML documents.	[L2][CO4]	[06M]
6		Explain DOM based XML processing.	[L3][CO4]	[12M]
7		List the types of XML DTD with an example.	[L1][CO4]	[12M]
8		Describe program control statements in PHP.	[L4][CO4]	[12M]
9		Write a Java servlet Program to implement the Book Information using JDBC.	[L3][CO4]	[12M]
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]	[12M]

UNIT –V
AJAX

1	a	What are Web Services?	[L1] [CO5]	[03M]
	b	What is SOAP?	[L1] [CO5]	[03M]
	c	Define AJAX.	[L1] [CO5]	[03M]
	d	What is WSDL?	[L1] [CO5]	[03M]
2	a	How XML is changing the Web?	[L2] [CO5]	[06M]
	b	Write short notes on simple Ajax application.	[L6] [CO5]	[06M]
3		Explain client server architecture in AJAX.	[L3] [CO5]	[12M]
4		Explain the method of creating a web service client with an example.	[L2] [CO5]	[12M]
5		Explain Java web service API with an example.	[L1] [CO5]	[12M]
6		Briefly discuss storing java objects as files.	[L3] [CO5]	[12M]
7		Explain structure of structure, advantages and disadvantages?	[L3] [CO5]	[12M]
8	a	What is MIME?	[L1] [CO5]	[06M]
	b	What is UDDI?	[L3] [CO5]	[06M]
9		Design simple application for accessing the data using XML.	[L5][CO5]	[12M]
10	a	What is the difference between XML HTTP Request and AJAX ?	[L1] [CO5]	[06M]
	b	Discuss the security issues of AJAX.	[L2] [CO5]	[06M]

Prepared by Dr. P.M.S.S. Chandu, P.Nagaraju, Ch.Sivasankar