



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

QUESTION BANK (DESCRIPTIVE)

Subject with Code : Web Programming for Artificial Intelligence(20CS0907) **Course & Branch:** B.Tech –CSM

Year & Sem: III B.Tech & IISem

Regulation: R20

UNIT –I

HTML5, CSS3, XML, JavaScript and JQuery

1	a	What is Web Programming? Briefly explain the Architecture of WEB?	[L1] [CO1]	[6M]
	b	What is HTML? Briefly explain the tags in HTML?	[L1] [CO1]	[6M]
2		Create a Simple job Registration form using HTML	[L6] [CO1]	[12M]
3		Explain HTML 5.0 and mention the tag differences between HTML and HTML 5.0?	[L5] [CO1]	[12M]
4		Create a webpage using HTML and add CSS to the webpage.	[L6] [CO1]	[12M]
5	a	What is CSS? Explain the CSS box model.	[L1] [CO1]	[6M]
	b	What is Inheritance? Explain the CSS Inheritance?	[L1] [CO1]	[6M]
6	a	Discuss the CSS Text Properties	[L6] [CO1]	[6M]
	b	Distinguish between CSS and CSS 3.0	[L4] [CO1]	[6M]
7	a	List and explain in detail the various selector strings with example.	[L1] [CO1]	[6M]
	b	Explain XHTML and Specify some new tags in XHTML?	[L5] [CO1]	[6M]
8	a	What is XML? Briefly explain the namespaces in XML?	[L1] [CO1]	[6M]
	b	Explain XMLDTD Types.	[L5] [CO1]	[6M]
9	a	What is DOM? Briefly explain DOM based XML Processing?	[L1] [CO1]	[6M]
	b	Discuss the Levels of DOM	[L6] [CO1]	[6M]
10		Explain Briefly about JSON and JQuery	[L5] [CO1]	[12M]

UNIT –II

Web Applications and services

1		Discuss Briefly about AngularJS.	[L6][CO2]	[12M]
2		Explain briefly about MVC.	[L2][CO2]	[12M]
3		Explain about LARAVEL framework.	[L5][CO2]	[12M]
4		What is RWD and explain it briefly.	[L1][CO2]	[12M]
5	a	List out some popular MVC frameworks	[L1][CO2]	[6M]
	b	What are the core Features of AngularJS	[L1][CO2]	[6M]
6		What is Single Page web application with example?	[L1][CO2]	[12M]
7		What are the MVC architectural patterns?	[L1][CO2]	[12M]
8		Design an application in node.js for student management	[L6][CO2]	[12M]
9		Create an application using MeteorJS framework	[L6][CO2]	[12M]
10	a	Explain the features of Responsive web Design	[L5][CO2]	[6M]
	b	What are the Advantages and Disadvantages of Single Page web application	[L1][CO2]	[6M]

UNIT –III
Web Communication Processes and Technologies

1	What is servlet? What are the advantages of servlet? Explain the Life cycle of servlets.	[L1][CO3]	[12M]
2	Write a servlet code to get parameters from HTML document.	[L2][CO3]	[12M]
3	a Difference between Generic Servlet and HttpServlet.	[L1][CO3]	[6M]
	b What is Servlet Context Interface		
4	State and explain Session Tracking with Techniques.	[L2][CO3]	[12M]
5	Create a Java servlet program to display current Date and Time	[L6][CO3]	[12M]
6	Explain about a) HTTP servlet Request b) HTTP servlet Response with syntax.	[L5][CO3]	[12M]
7	Explain about a) Servlet Collaboration b) Servlet Filter	[L5][CO3]	[12M]
8	Explain in detail about working of cookies with an example.	[L5][CO3]	[12M]
9	Discuss in detail about AJAX architecture	[L6][CO3]	[12M]
10	Explain AJAX framework and its security	[L5][CO3]	[12M]

UNIT –IV
Web Servers

1	Difference between Session and Cookie	[L1][CO4]	[12M]
2	Explain node.js with example	[L5][CO4]	[12M]
3	Design an application in node.js for student management	[L6][CO4]	[12M]
4	a What is Express Framework?	[L1][CO4]	[6M]
	b Discuss Data session	[L6][CO4]	[6M]
5	What is an Event? Explain the Callback Event	[L1][CO4]	[12M]
6	Explain the Terminal REPL	[L5][CO4]	[12M]
7	Explain Briefly Cookies and its types?	[L5][CO4]	[12M]
8	Create a Java Servlet Program session life time cookies	[L6][CO4]	[12M]
9	Discuss Rendering JSON Data	[L6][CO4]	[12M]
10	Create a shopping cart application	[L6][CO4]	[12M]

UNIT –V**Storage, Web toolkits - Backend and Frontend Web frameworks**

1	Explain Briefly MongoDB Framework	[L5][CO5]	[12M]
2	Explain Accessing of MongoDB Documents from Node.js	[L5][CO5]	[12M]
3	Create a MongoDB collection of “Research articles “with required details	[L6][CO5]	[12M]
4	a List out Various Backend Web frameworks	[L1][CO5]	[6M]
	b List out Various Frontend Web frameworks	[L1][CO5]	[6M]
5	Explain Manipulating of MongoDB Documents from Node.js	[L5][CO5]	[12M]
6	What is Meteor JS framework	[L1][CO5]	[12M]
7	Create an application using MeteorJS framework	[L6][CO5]	[12M]
8	Explain a) Angular b) Meteor	[L5][CO5]	[12M]
9	Create an application in node.js for student management	[L6][CO5]	[12M]
10	Explain a) Django b) Ruby on Rails	[L5][CO5]	[12M]

Prepared by:**Dr.P.M.S.S.Chandu, Professor/SIETK-CSE**