



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

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**QUESTION BANK (DESCRIPTIVE)**

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

**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	Describe about Internet Application.	[L2] [CO1]	[ 6M ]
	b	Explain about JQuery UI and templates.	[L2] [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 Geolocation with an example?	[L2] [CO1]	[ 6M ]
9	a	What is client side and server side programming?	[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	a	What are the MVC architectural patterns?	[L1][CO2]	[6M]
	b	Discuss about Angular JS Objects?	[L2][CO2]	[6M]
8	a	Describe the features of Laravel framework?	[L2][CO2]	[6M]
	b	Discuss about Angular JS Arrays?	[L2][CO2]	[6M]
9	a	Describe web applications with an example?	[L2][CO2]	[6M]
	b	What is responsive image and explain with example?	[L1][CO2]	[6M]
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	a	What is servlet? What are the advantages of servlet?	[L1][CO3]	[6M]
	b	Illustrate the Life cycle of servlets.	[L3][CO3]	[6M]
2		Create a servlet code to get parameters from HTML document.	[L6][CO3]	[12M]
3	a	Distinguish between Generic Servlet and HttpServlet.	[L5][CO3]	[6M]
	b	What is Servlet Context Interface	[L1][CO3]	[6M]
4	a	Discuss about the architecture of servlet	[L2][CO3]	[6M]
	b	Explain about HTTP Request Response model.	[L2][CO3]	[6M]
5		Create a Java servlet program to display current Date and Time	[L6][CO3]	[12M]
6	a	Explain about HTTP servlet Request.	[L2][CO3]	[6M]
	b	Discuss about HTTP servlet Response with syntax	[L2][CO3]	[6M]
7	a	Describe about overview of servlet.	[L2][CO3]	[6M]
	b	Discuss about POST method with an example.	[L2][CO3]	[6M]
8	a	Explain in detail about GET method.	[L2][CO3]	[6M]
	b	Explain the block diagram of HTTP Request Response model?	[L2][CO3]	[6M]
9		Discuss in detail about AJAX architecture	[L2][CO3]	[12M]
10	a	Illustrate AJAX framework and its security	[L2][CO3]	[6M]
	b	Describe about generating dynamic content	[L2][CO3]	[6M]

### UNIT –IV

#### Web Servers

1		Differentiate between Session and Cookie	[L4][CO4]	[12M]
2		Explain node.js with example	[L2][CO4]	[12M]
3		Design an application in node.js for student management	[L6][CO4]	[12M]
4	a	Illustrate Express Framework in detail?	[L2][CO4]	[6M]
	b	Discuss about different type of data and sessions.	[L2][CO4]	[6M]
5	a	What is an Event and explain different types of events?	[L1][CO4]	[8M]
	b	Explain the Callback Event.	[L2][CO4]	[4M]
6	a	Illustrate the Terminal REPL	[L3][CO4]	[8M]
	b	What is URL Rewriting explain with an example?	[L1][CO4]	[4M]
7	a	Explain Briefly Cookies and its types?	[L2][CO4]	[6M]
	b	Describe about web server with an example.	[L2][CO4]	[6M]
8	a	Distinguish between different types of webserver architectures.	[L4][CO4]	[6M]
	b	What are the benefits and uses of web servers?	[L1][CO4]	[6M]
9	a	Discuss Rendering JSON Data	[L2][CO4]	[6M]
	b	Describe about Node package manager.	[L2][CO4]	[6M]
10		Create a shopping cart application	[L6][CO4]	[12M]

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

<b>1</b>	<b>a</b>	Explain Briefly MongoDB Framework	[L2][CO5]	[6M]
	<b>b</b>	Discuss the features of MongoDB.	[L2][CO5]	[6M]
<b>2</b>		Explain Accessing of MongoDB Documents from Node.js	[L2][CO5]	[12M]
<b>3</b>		Create a MongoDB collection of “Research articles “with required details	[L6][CO5]	[12M]
<b>4</b>	<b>a</b>	List out Various Backend Web frameworks and explain briefly.	[L1][CO5]	[6M]
	<b>b</b>	List out Various Frontend Web frameworks and explain in detail.	[L1][CO5]	[6M]
<b>5</b>		Explain Manipulating of MongoDB Documents from Node.js	[L2][CO5]	[12M]
<b>6</b>	<b>a</b>	Discuss about Django framework in detail?	[L2][CO5]	[6M]
	<b>b</b>	Illustrate Ruby on Rails framework?	[L3][CO5]	[6M]
<b>7</b>	<b>a</b>	Compare the main differences between a MongoDB and a traditional SQL database.	[L6][CO5]	[6M]
	<b>b</b>	What are some security considerations when developing backend web applications?	[L1][CO5]	[6M]
<b>8</b>	<b>a</b>	What is Meteor JS framework and explain in detail with an example?	[L1][CO5]	[6M]
	<b>b</b>	Explain features of Meteor JS framework.	[L2][CO5]	[6M]
<b>9</b>	<b>a</b>	What are the Features of Django framework and explain in detail?	[L1][CO5]	[6M]
	<b>b</b>	What are the Features of Meteor framework and explain with example?	[L1][CO5]	[6M]
<b>10</b>	<b>a</b>	Illustrate Angular framework with example.	[L3][CO5]	[6M]
	<b>b</b>	Describe Meteor framework in detail.	[L2][CO5]	[6M]