



SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY: PUTTUR
Siddharth Nagar, Narayanavanam Road – 517583

QUESTION BANK (DESCRIPTIVE)

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

Year & Sem.: IV B.Tech & I Sem.

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	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 Geo-location 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

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

Prepared by: P KARTHIKEYAN,
ASSOCIATE PROFESSOR,
CSE, SIETK.