R20

Subject&Code:AI in Web Technologies(20CS1406)   **Course& Branch:**B.Tech- CAI

Year&Sem:III-B.Tech&II-Sem   **Regulation:**R20

UNIT–I
HTML5,CSS3,XML,JavaScriptandJQuery

1	a	What is WebProgramming?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 HTML5.0 and mention the tag differences between HTMLand HTML5.0?	[L5][CO1]	**[12M]**
4		Create a webpage using HTML and add CSS to the webpage.	[L6][CO1]	**[12M]**
5	a	Describe about InternetApplication.	[L2][CO1]	**[6M]**
	b	Explain about JqueryUI and templates.	[L2][CO1]	**[6M]**
6	a	Discuss the CSS Text Properties	[L6][CO1]	**[6M]**
	b	Distinguish between CSSandCSS3.0	[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 newtags 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 JSONand Jquery	[L5][CO1]	**[12M]**

UNIT–II
WebApplicationsandservices

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 AngularJS 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
WebCommunicationProcessesandTechnologies

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 GenericServlet 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.	[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
WebServers

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 webserver with an example.	[L2][CO4]	**[6M]**
8	a	Distinguish between different types of web server architectures.	[L4][CO4]	**[6M]**
	b	What are the benefits and uses of webservers?	[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,Webtoolkits-BackendandFrontendWebframeworks

1	a	Explain Briefly MongoDB Framework	[L2][CO5]	**[6M]**
	b	Discuss the features of MongoDB.	[L2][CO5]	**[6M]**
2		Explain Accessing of MongoDB DocumentsfromNode.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	ComparethemaindifferencesbetweenaMongoDBandatraditionalSQLdatabase.	[L6][CO5]	**[6M]**
	b	What are some security considerations when developing backend web applications?	[L1][CO5]	**[6M]**
8	a	What is MeteorJS framework and explain in detail with an example?	[L1][CO5]	**[6M]**
	b	Explain features of MeteorJSframework.	[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]**

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