

THE KAVERY ENGINEERING COLLEGE*(An Autonomous Institution)***B.E/B.TECH DEGREE END SEMESTER THEORY EXAMINATIONS, APRIL-MAY 2025***Sixth Semester**Computer Science and Engineering***CCS375 – Web Technologies***Regulations - 2021***Duration : 3 Hrs****Maximum : 100 Marks****PART – A (ANSWER ALL QUESTIONS) (Marks 10*2=20)**

Q.No	Questions	BLT	CO	Marks
1.	Define URI, URL and URN.	L1	1	2
2.	Compare relative and absolute positioning in CSS.	L2	1	2
3.	List the different types of errors in JavaScript.	L1	2	2
4.	Infer the role of JavaScript timers in DHTML	L2	2	2
5.	Contrast GET and POST request types with sample scenario.	L2	3	2
6.	Outline the procedures involved in JDBC connectivity.	L2	3	2
7.	With the sample code, show the working strategy of foreach statement.	L3	4	2
8.	Identify the usage of XML Schema in the XML document.	L3	4	2
9.	Narrate the working principles of routing in Angular JS.	L2	5	2
10.	“Node JS used for server-side development” Justify the statement.	L3	5	2

PART – B (ANSWER ALL QUESTIONS) (Marks 5*16 = 80)

Q.No	Questions	BLT	CO	Marks
11.	a i Illustrate the structure of HTTP request message with suitable examples.	L2	1	8
	i Explain HTML5 Control Elements with an example code.	L2	1	8
	Or			
	b i Demonstrate various CSS style sheets with examples.	L2	1	8
	i Explain about Style Rule Cascading and Inheritance in CSS.	L2	1	8
	i			
12.	a How can you apply JavaScript to construct and manipulate the	L3	2	16

Document Object Model (DOM)? Provide examples to support your explanation.

Or

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| | b | i | How can you utilize JavaScript to enable dynamic content changes in DHTML? Explain with an example. | L3 | 2 | 10 |
| | | i | Identify the functionalities and feature of JSON and explain its syntax with an example JSON File. | L3 | 2 | 6 |
| 13. | a | | With the sample diagram, narrate the steps involved in servlet life cycle and their requirements. | L3 | 3 | 16 |
| | | | Or | | | |
| | b | | Design a simple shopping cart system using cookies to maintain user session data. Demonstrate how the item are stored and retrieved across pages. | L3 | 3 | 16 |
| 14. | a | | Construct a PHP script to connect to a database and perform a query operation. Experiment the process with suitable code example. | L3 | 4 | 16 |
| | | | Or | | | |
| | b | | Make use of xmlns and xmlns:xsi attributes to create a schema-aware XML document. Include sample schema references and explain their roles. | L3 | 4 | 16 |
| 15. | a | | Develop an AngularJS application where you need to highlight rows in a table based on user actions, such as marking selected items with a specific color. How would you use ng-class or ng-style to achieve this dynamic styling? | L3 | 5 | 16 |
| | | | Or | | | |
| | b | | Design a simple Node.js application that reads from and writes to a file asynchronously. Explain how node's even driven architecture helps in this context. | L3 | 5 | 16 |