

THE KAVERY ENGINEERING COLLEGE
(An Autonomous Institution)

B.E/B.TECH DEGREE END SEMESTER THEORY EXAMINATIONS, NOV/DEC 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.	State the use of web server logs and list the contents of a message log.	L1	1	2
2.	How will you include CSS in a website?	L1	1	2
3.	Define event. How events are handled in JavaScript.	L1	2	2
4.	Build a simple program in JavaScript to validate the email-id.	L3	2	2
5.	Show the difference between CGI and servlets.	L2	3	2
6.	Label the different types of IP addresses.	L1	3	2
7.	How type conversion is done in PHP?	L1	4	2
8.	Develop a PHP script to set the background color to blue on Tuesday in a given date.	L3	4	2
9.	How can you find out that an AJAX request has been completed?	L1	5	2
10.	List the core elements of UDDI?	L1	5	2

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

Q.No	Questions	BLT	CO	Marks
11.	a i Develop a html page which accepts - Any mathematical expression - Evaluate the expression - Displays the result of the evaluation	L3	1	10
	ii Experiment with the structure of the HTTP request message. Or	L3	1	6
b	Apply HTML forms in detail along with form elements, attributes & methods. <form method= how to send ACTION= URL of script > ...form data... </form> - Form fields & attributes: <TEXTAREA> element <INPUT> tag: text, password, checkbox, radio, hidden, reset, submit, - button <SELECT> tag	L3	1	16

12.	a	i	How to validate the check box and check box group?	L2	2	8
		ii	Write a java script program to develop the arithmetic calculator.	L2	2	8
			Or			
	b	i	Write a JavaScript program to display a message "HI! GOOD MORNING TO YOU" when a page is loaded and display a message "THANKS TO VISIT OUR WEB PAGE" when a page is unloaded.	L2	2	8
		ii	Explain event bubbling with an example program.	L2	2	8
13.	a	i	Develop a HTML document to generate ballot form for an election. The votes submitted are recorded on the server by a servlet handling the form. Cookies must be used to prevent multiple votes by the same client.	L3	3	10
		ii	Explain why does one need JSP technology if they already have servlets? And illustrate the features of JSP over servlet.	L2	3	6
			Or			
	b	i	Experiment with servlet and model the servlet life cycle and servlet HTTP package?	L3	3	10
		ii	Compare JSP with servlets.	L2	3	6
14.	a	i	Build a XML schema for a Movie data base table with the following structure: Movie(name, director,date_released, record), name(firstname, midname, lastname), date_released(date, month, year).	L3	4	10
		ii	Write similarities and dissimilarities between XML and DHTML.	L2	4	6
			Or			
	b	i	Given an XSLT document and a source XML document. Interview the XSLT transformation process that produces a single result XML document.	L3	4	10
		ii	Outline the rules of well-formed XML.	L2	4	6
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		For an e-commerce application, construct a product detail page where the controller manages the product data and handles user interactions like adding items to the cart. How would you structure the controller to handle these responsibilities?	L3	5	16