

THE KAVERY ENGINEERING COLLEGE*(An Autonomous Institution)***B.E/B.TECH DEGREE END SEMESTER THEORY EXAMINATIONS, APRIL-MAY 2025*****Fourth Semester******Information Technology*****IT3401 - Web Essentials*****Regulations - 2021******Duration : 3 Hrs******Maximum : 100 Marks******PART – A (ANSWER ALL QUESTIONS) (Marks 10*2=20)***

<i>Q.No</i>	<i>Questions</i>	<i>BLT</i>	<i>CO</i>	<i>Marks</i>
1.	What is a URL? Provide an example.	L2	1	2
2.	Differentiate between client-side and server-side scripting.	L2	1	2
3.	Write the style sheet for displaying text with a different background and bigger font size. <style type="text/css"> body { background-image: url("img149.jpg"); background-repeat: repeat } h1 {background-color: pink} h2 {background-color: transparent} p {background-color: rgb(25,20,25)} </style>	L3	2	2
4.	How can backgrounds and borders be styled using CSS?	L2	2	2
5.	What are callback functions in JavaScript? Explain with an example.	L2	3	2
6.	Write a JavaScript function that takes an array of numbers and returns the largest number in the array.	L3	3	2
7.	What are the different types of operators in PHP? Provide examples for arithmetic, relational, and logical operators.	L3	4	2
8.	Write a PHP script to check if a number is even or odd.	L2	4	2
9.	What is the default scope of a Session in a Servlet?	L2	5	2
10.	How can you store user-specific information in a Servlet between different requests?	L3	5	2

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

Q.No	Questions	BLT	CO	Marks
11.	a i Describe the architecture of a web browser and discuss different types of web browsers.	L2	1	8
	i What are web servers? Explain how they work and their interaction with web browsers.	L2	1	8
	Or			
	b Discuss the important factors and key steps involved in creating a website.	L2	1	16
12.	a Develop a website for faculty development program using forms and actions.	L3	2	16
	Or			
	b Embed the multimedia objects using HTML and DHTML.	L3	2	16
13.	a i Create a script that prompts the user for a number and then counts from 1 to that number displaying only the odd numbers.	L6	3	8
	i Design a web page to detect the visitor's browser name and version using Java script.	L6	3	8
	Or			
	b i Create an HTML page with a button labeled "Click Me". Write a JavaScript function that listens for the button click event and displays an alert with the message "Button clicked!".	L6	3	8
	i Write a JavaScript function that accepts a string and checks if it contains a valid date in the format dd/mm/yyyy. Return valid date if the string matches the pattern, otherwise return Invalid date.	L6	3	8
14.	a i Write a PHP script to create a text file named "user_data.txt" and write the following information into it: Name, Age, Email. After that, display the contents of the file on the browser.	L4	4	8
	i Write a PHP script that sends an email with an attachment. The script should allow the user to upload a file and send it as an attachment to a given email address. Ensure that the file is valid before sending it.	L4	4	8
	Or			
	b i Write a PHP script that prints the multiplication table for any number provided by the user. The table should range from 1 to 10.	L4	4	8
	i Discuss the process of handling exceptions in PHP. Explain how you can use try, catch, and finally blocks in error handling. Provide an example.	L4	4	8
15.	a Write the java program for connecting a java servlet program to a database for stock maintenance.	L3	5	16
	Or			

- b How do GET and POST actions differ when it comes to form submission in a servlet? Explain with examples. L3 5 16