

THE KAVERY ENGINEERING COLLEGE
(An Autonomous Institution)

B.E/B.TECH DEGREE END SEMESTER THEORY EXAMINATIONS, NOV /DEC 2024

Fourth Semester

Information Technology

IT3401 Web Essentials

Regulations - 2021

Duration : 3 Hrs

Maximum Marks: 100

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 URL ? Write different parts of URL.	UN	1	2
2.	Difference between web server and database server.	UN	1	2
3.	How will you create password field in HTML form?	UN	2	2
4.	Give the syntax of CSS rule.	RE	2	2
5.	List out the objects used in JavaScript with its purpose.	RE	3	2
6.	Write a Java Script to print “Good Day” using IF-ELSE condition.	AP	3	2
7.	What are the basic data types available in PHP, and how are they used?	RE	4	2
8.	How can a PHP program determine the type of the browser that a web client is using?	UN	4	2
9.	Why POST method is preferred over GET method for submitting sensitive information?	UN	5	2
10.	Define cookies.	RE	5	2

PART – B (ANSWER ALL QUESTIONS) (Marks 5*13 = 65)

<i>Q.No</i>	<i>Questions</i>	<i>BLT</i>	<i>CO</i>	<i>Marks</i>
11.	a Explain the various web protocols used for client server communication.	UN	1	13
	Or			
	b Explain briefly about the working principle of a website and write the steps for creating a website.	UN	1	13
12.	a i Write HTML code that creates a form to collect user information such as name, age, email and phone numbers.	AP	2	9
	ii Explain in detail the CSS Box model with an example.	UN	2	4
	Or			
	b i Create a basic web page with the navigation link for the following pages: A) Home B) About Us C) Department D) Contact	AP	2	7
	ii Explain in detail about CSS3. Give the illustrate CSS3 animation.	UN	2	6
13.	a i Describe the various operators in javascript. Provide examples to demonstrate their use.	AN	3	9
	ii Interpret the types of literals available with examples.	UN	3	4

Or

	b i	Explain the use of try, catch, finally and throw statements in exception handling.	UN	3	7
	ii	Could you explain how events work in web development and describe how to handle commonly used events, like button clicks, form submissions, and key presses?	AN	3	6
14.	a i	Explain the working principle of PHP. How does PHP process and execute scripts on a server?	UN	4	7
	ii	Write a PHP script that uses if-else conditions to determine whether a number is even or odd.	AP	4	6
		Or			
	b i	Explain how to send a basic email in PHP using the mail () function. Provide an example script.	UN	4	7
	ii	Write a simple PHP script to process a form submission and display the submitted data.	AP	4	6
15.	a	Describe the Java Servlet architecture. How does it facilitate dynamic content generation and client-server interaction?	AN	5	13
		Or			
	b	Describe how session management is handled in servlets. Include an example of session creation, retrieval, and invalidation, and explain each step.	AN	5	13

*PART – C (Marks 1*15 = 15)*

<i>Q.No</i>		<i>Questions</i>	<i>BLT</i>	<i>CO</i>	<i>Marks</i>
16.	a i	Write a javascript program that generates a random number between 1 and 100 using the math object.	AP	3	8
	ii	Write a javascript program that listens for a button click and changes the background color of the webpage.	AP	3	7
		Or			
	b i	Explain the process of file uploading in PHP and demonstrate it with an example.	AP	4	8
	ii	Write a program that accepts user input and displays it using PHP variables.	AP	4	7