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VIVEKANANDHA COLLEGE OF ENGINEERING FOR WOMEN  
 [AUTONOMOUS INSTITUTION AFFILIATED TO ANNA UNIVERSITY, CHENNAI]  
 Elayampalayam – 637 205, Tiruchengode, Namakkal Dt., Tamil Nadu.

**Question Paper Code: 50030**

B.E. / B.Tech. DEGREE END-SEMESTER EXAMINATIONS – NOV. / DEC. 2024

Fourth Semester

Computer Science and Engineering

U19CS414 – WEB TECHNOLOGY

(Regulation 2019)

Time: Three Hours

Maximum: 100 Marks

Answer ALL the questions

Knowledge Levels	K1 – Remembering	K3 – Applying	K5 - Evaluating
(KL)	K2 – Understanding	K4 – Analyzing	K6 - Creating

PART – A

Q.No.	Questions	(10 x 2 = 20 Marks)		
		Marks	KL	CO
1.	Which one of the statements given below is incorrect about HTTP cookies? (a) A cookie is a piece of code that has the potential to compromise the security of an internet user. (b) A cookie has an expiry date and time. (c) A cookie gains entry to the user's work area through an HTTP header. (d) Cookies can be used to track a user's browsing pattern at a particular site.	2	K1	CO1
2.	_____, _____ protocols use multiple TCP connections between the same server and the client.	2	K2	CO1
3.	State the types of JavaScript statements with example.	2	K3	CO2
4.	Give HTML code to display an image.	2	K2	CO2
5.	How is session tracking achieved by URL rewriting?	2	K2	CO3
6.	List and explain any four HTML intrinsic event attributes.	2	K1	CO3
7.	Give the advantages of using JSP for server side programming.	2	K2	CO4
8.	Define XPATH.	2	K2	CO4
9.	How to incorporate QR code in web page.	2	K2	CO5
10.	What is a canvas and what is it used for?	2	K2	CO5



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| 15. | a) Elucidate how AJAX enables dynamic and interactive web applications without page reloads.   | 13 | K1 | CO5 |
|     | (OR)   |    |    |     |
|     | b) Discuss about the techniques for optimizing AJAX requests, such as caching responses, minimizing payload size, and leveraging browser caching | 13 | K3 | CO5 |

PART – C

(1 x 15 = 15Marks)

Q.No.	Questions	Marks	KL	CO
16. a)	Develop a web application using Java script for a small business that specializes in handmade crafts. The business owner wants the website to showcase their products, allow customers to browse and purchase items online, and provide information about upcoming events or workshops they may host. Additionally, they want the website to have a blog section where they can share stories about their craft-making process and engage with their audience.	15	K3	CO2
	(OR)			
b)	Develop an online shopping website for a retail store. The website needs to implement a feature where users can add products to their shopping cart without reloading the entire page. Additionally, users should be able to view their cart contents dynamically and update quantities or remove items without refreshing the page. Implement this functionality using AJAX.	15	K3	CO5