

Reg.No.:



VIVEKANANDHA COLLEGE OF ENGINEERING FOR WOMEN

[AUTONOMOUS INSTITUTION AFFILIATED TO ANNA UNIVERSITY, CHENNAI]

Elayampalayam – 637 205, Tiruchengode, Namakkal Dt., Tamil Nadu.

Question Paper Code: 130009

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

Fifth Semester

Computer Science and Technology

U19CT509 – INTERNET PROGRAMMING

(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

(10 x 2 = 20 Marks)

Q.No.	Questions	Marks	KL	CO
1.	Describe the difference between a static and a dynamic website.	2	K2	CO1
2.	Differentiate between an ordered list and an unordered list in HTML.	2	K2	CO1
3.	What is the difference between margin and padding in CSS?	2	K2	CO2
4.	How do you link a CSS file to an HTML document?	2	K2	CO2
5.	Explain the difference between var, let, and const in JavaScript.	2	K2	CO3
6.	What is the purpose of the document.getElementById() method in JavaScript?	2	K2	CO3
7.	Differentiate between an XML element and an XML attribute.	2	K2	CO4
8.	When would you choose to use XML over JSON, and why?	2	K2	CO4
9.	Differentiate between synchronous and asynchronous AJAX requests.	2	K2	CO5
10.	List out purpose of the readyState and status properties in an XMLHttpRequest object.	2	K2	CO5

PART – B

(5 x 13 = 65 Marks)

Q.No.	Questions	Marks	KL	CO
11.	a) Discuss the key milestones in the development of the World Wide Web. How did it evolve from its inception to the global system it is today? (OR)	13	K2	CO1
	b) Compare and contrast the use of headers (<h1> to <h6>) in HTML. How do these tags contribute to both the structure and accessibility of a web page?	13	K2	CO1
12.	a) Describe how to implement a simple CSS grid layout. What are the key properties involved, and how do they contribute to creating a flexible grid system? (OR)	13	K3	CO2
	b) Explain the process of creating a responsive web design using CSS. What techniques and properties are commonly used to ensure that a website is mobile-friendly?	13	K3	CO2
13.	a) Describe the concept of closures in JavaScript. How do closures work, and why are they useful? Provide a code example to illustrate the concept. (OR)	13	K3	CO3
	b) Explain how JavaScript interacts with the Document Object Model (DOM). How can JavaScript be used to manipulate HTML elements on a webpage? Provide examples.	13	K3	CO3
14.	a) Describe how XML is used to structure data. Explain the importance of well-formed XML documents and the role of namespaces in XML. (OR)	13	K3	CO4
	b) Explain the concept of sessions in PHP. How do sessions help in maintaining state across multiple pages in a web application? Provide examples.	13	K3	CO4
15.	a) Explain the basic principles of REST architecture. How do RESTful APIs use HTTP methods to perform CRUD (Create, Read, Update, Delete) operations? Provide examples. (OR)	13	K2	CO5
	b) What are callback methods in AJAX? How are they used to handle the results of an asynchronous request? Provide an example with code.	13	K2	CO5

PART – C

(1 x 15 = 15 Marks)

Q.No.	Questions	Marks	KL	CO
16. a)	Discuss the role of JavaScript in client-side form validation. How can JavaScript be used to validate user input before it is submitted to the server? Provide examples of common validation techniques.	15	K3	CO3
	(OR)			
b)	How can PHP be used to parse and manipulate XML data? Discuss different methods and libraries available in PHP for working with XML, such as SimpleXML and DOM Document.	15	K3	CO4
