

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: 50044

B.E. / B.Tech. DEGREE END-SEMESTER EXAMINATIONS – JAN. 2026

Sixth Semester

Electrical and Electronics Engineering

U19CSOE4 – WEB DESIGNING

(Common to ECE & BME)

(Regulation 2019)

Time: Three Hours

Maximum: 100 Marks

Answer ALL the questions

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

PART – A

(10 x 2 = 20 Marks)

Q.No.	Questions	Marks	KL	CO
1.	Describe how forms are submitted in HTML and how the method and action attributes work together.	2	K2	CO1
2.	Explain how XHTML is stricter than HTML in terms of document structure.	2	K2	CO1
3.	Write a JavaScript function to check if a given number is even or odd.	2	K3	CO2
4.	What will be the output of the following JavaScript code? function totalelements() { var allgenders=document.getElementsByName("gender"); alert("Total Genders:"+allgenders.length); } <form> <input type="radio" name="gender" value="male"> <input type="radio" name="gender" value="female"> <input type="button" onclick="totalelements()" value="Total Genders"> </form>	2	K3	CO2
5.	List out some of the HTML intrinsic event attributes in DOM.	2	K2	CO3

6.	What are the ready state of requests used with AJAX requests?	2	K2	CO3
7.	How to create a table in MySQL explain with example?	2	K3	CO4
8.	What is the difference between DELETE and TRUNCATE commands in MySQL?	2	K2	CO4
9.	What will be the output of the following PHP code? <pre><?php \$color="red"; echo"\$color"; echo"\$COLOR"; echo"\$Color" ?></pre>	2	K3	CO5
10.	Define PHP and list any two operators in PHP.	2	K2	CO5

PART – B

(5 x 13 = 65 Marks)

Q.No.	Questions	Marks	KL	CO
11. a)	Discuss the role of forms in collecting user input. What are the different types of input fields available in HTML forms explain each with an example?	13	K2	CO1

(OR)

b)	Identify and explain the use of fundamental HTML elements. Describe the structure of an HTML table also explain how to merge cells in an HTML table?	13	K2	CO1
12. a)	Write the HTML & CSS code to recreate the following page	13	K3	CO2



(OR)

b)	Explain the concept of the CSS box model and its properties. Illustrate the box model with an example program.	13	K2	CO2
13. a)	i. Define DOM and BOM, list out the types of DOM events available. Explain any three DOM events with an example program.	10	K2	CO3
	ii. How HTML DOM allows JavaScript to change the text color and background color of a particular element?	3		

(OR)

- b) Explain what do you mean by AJAX. state the purpose AJAX. Clearly mention the about the XML Http Request Object and Call back Methods in AJAX with an example. 13 K3 CO3

14. a) Employee table 13 K3 CO4

<i>id</i>	<i>First_name</i>	<i>Last_name</i>	<i>Salary</i>	<i>Joining_date</i>	<i>Departement</i>
1.	Bob	Kinto	1000000	2019-01-20	Finance
2.	Jerry	Kansxo	6000000	2019-01-15	IT
3.	Philip	Jose	8900000	2019-02-05	Banking
4.	John	Abraham	2000000	2019-02-25	Insurance
5.	Michael	Mathew	2200000	2019-02-28	Finance
6.	Alex	chreketo	4000000	2019-05-10	IT
7.	Yohan	Soso	1230000	2019-06-20	Banking

Create MYSQL table for employee and insert the values for employee table (from the above given employee table)

Write queries to extract following data

1. Get all employees.
2. Display the first name and last name of all employees.
3. Get unique "DEPARTMENT".

(OR)

- b) i. Explain Order by, Group by and Having Clauses in SQL with example. 6 K2 CO4
- ii. What is a Join? Discuss about various joins used in SQL with example. 7
15. a) i. Write a PHP program to check student grade based on marks If marks are 60% or more, grade will be First Division. If marks between 45% to 59%, grade will be Second Division. If marks between 35% to 44%, grade will be Third Division. If marks are less than 34%, student will be Fail. 8 K3 CO5
- ii. Write a program to show day of the week using switch. 5

(OR)

- b) Describe the various types of arrays in PHP along with appropriate examples for each type. 13 K2 CO5

PART – C

(1 x 15 = 15 Marks)

- | Q.No. | Questions | Marks | KL | CO |
|--------|---|-------|----|-----|
| 16. a) | Design an user registration form as per below mentioned image using HTML. Use JavaScript to validate the user's input before submitting the form. | 15 | K3 | CO2 |

Registration Form	
Student Name	<input type="text"/>
Father's Name	<input type="text"/>
Mother's Name	<input type="text"/>
Date of Birth	<input type="text" value="dd - mm - yyyy"/> <input type="button" value="📅"/>
Gender	Male <input type="radio"/> Female <input type="radio"/>
Email ID	<input type="text"/>
Mobile No.	<input type="text"/>
Address	<input style="width: 100%; height: 40px;" type="text"/>
State	<input type="text"/>
City	<input type="text"/>
	<input type="button" value="Submit"/>

(OR)

- | | | | | |
|----|---|----|----|-----|
| b) | Develop a web page using PHP to receive the amount of electricity unit consumed by a user and calculate electricity bill based on below mentioned conditions. | 15 | K3 | CO5 |
|----|---|----|----|-----|

Conditions:

- For first 50 units – Rs. 3.50/unit
- For next 100 units – Rs. 4.00/unit
- For next 100 units – Rs. 5.20/unit
- For units above 250 – Rs. 6.50/unit

Php - Calculate Electricity Bill

Please enter no. of Unit

Total amount of 25 - \$7.50