|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Roll No. |  |  |  |  |  |  |  |  |  |  |  |  |



 **PRESIDENCY UNIVERSITY**

  **Bengaluru**

|  |
| --- |
| **End - Term Examinations – JANUARY 2025** |
| **Date:** 15 – 01- 2025 **Time:** 09:30 am – 12:30 pm |

|  |  |
| --- | --- |
| **School:** SOCSE | **Program: Program:** B Tech -COM/CEI/CCS/CIT/CSG/CST/CDV/CBC/CSD/CBD/ISE/ISR/ISB/IST/ISD |
| **Course Code :** CSE2067 | **Course Name :** Web Technologies |
| **Semester**: V | **Max Marks**: 100 | **Weightage**: 50% |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **CO - Levels** | **CO1** | **CO2** | **CO3** | **CO4** | **CO5** |
| **Marks** | **26** | **26** | **48** |  |  |

**Instructions:**

1. *Read all questions carefully and answer accordingly.*
2. *Do not write anything on the question paper other than roll number.*

**Part A**

|  |
| --- |
| **Answer ALL the Questions. Each question carries 2marks. 10Q x 2M=20M** |
| **1** | What is the difference between a block-level element and an inline element? | **2 Marks** | **L1** | **CO1** |
| **2** | Define an image map. | **2 Marks** | **L1** | **CO1** |
| **3** | What is the difference between action and method attributes in a <form>? | **2 Marks** | **L1** | **CO1** |
| **4** | Why do we use a style sheet in HTML? | **2 Marks** | **L1** | **CO2** |
| **5** | How can we hide an element in CSS? | **2 Marks** | **L1** | **CO2** |
| **6** | Explain filter property in CSS? | **2 Marks** | **L2** | **CO2** |
| **7** | What is the difference between GET and POST Method ? | **2 Marks** | **L1** | **CO3** |
| **8** | How to sort an array in PHP? List various array functions in PHP. | **2 Marks** | **L1** | **CO3** |
| **9** | How do you reverse a string in PHP without using any built in functions? | **2 Marks** | **L1** | **CO3** |
| **10** | What is the difference between == and === in PHP? | **2 Marks** | **L1** | **CO3** |

**Part B**

|  |
| --- |
| **Answer the Questions Total 80 Marks.** |
| **11.** | **a.** | What is an HTML image map? Explain its structure and provide an example. | **10 Marks** | **L2** | **CO1** |
|  | **b.** | Create a Registration page for Placement Registration for Students using HTML by applying suitable styles using CSS. While entering Student details, all the fields need to validate using HTML attributes. The Student details should be ID no, Name, Mobile, Address, Branch (Apply menu), Semester, Resume, Date of Registration, CGPA. | **10 Marks** | **L3** | **CO1** |
| **Or** |
| **12.** | **a.** | Build a complete webpage with the following features:1. A title in the browser tab.
2. A heading, a paragraph, and an image.
3. A hyperlink that opens in a new tab.
4. An unordered list of items.
 | **10 Marks** | **L3** | **CO1** |
|  | **b.** |  Build a webpage using nested <frameset> tags where: The parent <frameset> divides the screen vertically into two columns.The left column contains a frame for navigation.The right column contains a child <frameset> that divides the screen into two rows for a header and main content. | **10 Marks** | **L3** | **CO1** |
|  |  |  |  |  |  |
| **13.** | **a.** | You are tasked with creating a basic webpage layout with two columns: The left column should take up 70% of the width of the page. The right column should take up 30% of the width.How would you implement this layout with different styles using CSS in HTML? | **10 Marks** | **L3** | **CO2** |
|  | **b.** | Explain the following CSS term with examples:1. Pseudo-classes
2. Pseudo element
3. Descendant selector
4. child selector
 | **10 Marks** | **L2** | **CO2** |
| **Or** |
| **14.** | **a.** | Explain the different types of positioning elements in CSS with examples. | **10 Marks** | **L2** | **CO2** |
|  | **b.** | You're tasked with creating a navigation bar for a website that should adapt seamlessly to different screen sizes. On larger screens, the navigation items should be displayed horizontally with clear spacing. On smaller screens, the navigation should become a dropdown menu triggered by a button.How would you approach the layout of the navigation bar for different screen sizes using CSS?How would you create the dropdown menu effect for smaller screens? | **10 Marks** | **L3** | **CO2** |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **15.** | **a.** | Develop a PHP program for user authentication. The program should retrieve user credentials, compare them with database records, and display a message indicating successful or failed login | **10 Marks** | **L3** | **CO3** |
|  | **b.** | Explain the different datatypes supported by PHP in detail with examples.  | **10 Marks** | **L2** | **CO3** |
| **Or** |
| **16.** | **a.** | Develop a PHP program to read the contents of a file and display it. | **10 Marks** | **L3** | **CO3** |
|  | **b.** | Explain the three types of Arrays in PHP with examples | **10 Marks** | **L2** | **CO3** |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **17.** |  | Develop a PHP script to manage student data. This script should:* Create a database and a table named 'Student' with columns for student name, roll number, attendance, and marks.
* Insert data for 10 students into the table.
* Display all student records with labels ('NE' for marks below 75%, 'NP' for attendance below 75%, or 'Allow Exam' for attendance below 75% but marks above 75%).
 | **20 Marks** | **L3** | **CO3** |
| **Or** |
| **18.** |  | Develop a PHP application for storing employee basic details as following,* Create a MySQL database and a table Employee to store employee details:
	+ Employee ID
	+ Employee Name
	+ Department
	+ Manager Name
	+ Email
* Create a webpage for employees to enter the above details which should be stored into the Employee table
* Implement a search functionality to find employees by name or email.
 | **20 Marks** | **L3** | **CO3** |

**\*\*\*\*\* BEST WISHES \*\*\*\*\***