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| Serial No | Title | Page No | Date | Teacher’s Signature |
| 1 | What are web essentials ? Difference between client side and server-side scripting . |  |  |  |
| 2 | Explain the various tags used in HTML with example . What are the different methods to include CSS into the html document . Explain the CSS Box Model concept with example . |  |  |  |
| 3 | Design Menu bar of a website that may have sub-menus using HTML lists and styling with CSS . Add hyperlinks of menus to another web page within your HTML document . |  |  |  |
| 4 | Explain the difference between GET and Post method in HTML forms |  |  |  |
| 5 | What is JavaScript and what is its primary purpose in web development ? Implement a JavaScript function that takes a user’s input and determine whether they are a child , teenager and adult using if -else statements |  |  |  |
| 6 | Write a JavaScript program that generates a multiplication table for a given number using a for loop . |  |  |  |
| 7 | Develop a JavaScript program that prompts the user to enter a day of the week and displays a message based on the day using a switch statement . |  |  |  |
| 8 | What is jQuery and why is it used in web development ? How do you include jQuery in HTML document ? |  |  |  |
| 9 | Create a Registration Form using HTML and CSS and apply the form validations using jQuery on submission event of form . |  |  |  |
| 10 | Write a brief now on PHP , Define XAMPP and WAMP . Make the comparison between these web servers . |  |  |  |
| 11 | What are the steps to install XAMPP on windows ? |  |  |  |
| 12 | Develop a web-based mathematical calculator program using PHP that allows users to perform basic arithmetic operator including addition , subtraction . multiplication and division . |  |  |  |
| 13 | Declaration and definition of Array in PHP . What are the various types of arrays . Write a PHP program to Array Manipulation using Foreach loop. |  |  |  |
| 14 | Create a PHP-based age calculator program that calculates a person’s age based on their birthday and current date . |  |  |  |
| 15 | What are the File Operations in PHP ? Develop a PHP script that allows users to upload files to a server , including validations for file types and size limits . |  |  |  |
| 16 | How do you connect to MySQL database in PHP and execute a query ? Create student registration form with fields : Name , Email , Password, Phone , Address , DOB and student’s Image . Insert the student’s details with uploaded image to database . |  |  |  |
| 17 | Develop a PHP Based Login and Log out page system that allow user to log in securely using sessions . Get name of the user from a form and show greeting text . |  |  |  |
| 18 | What is the SSL Certificate and why is it important for a website ? What is the Process of obtaining and Installing an SSL Certificate . |  |  |  |
| 19 | What is a Chatbot and How Does It work ? What programming Languages and tools are commonly used for Developing Chatbots ? |  |  |  |
| 20 | What is Artificial Intelligence and How does it Differ from Traditional Programming ? What are the Key components of an AI System ? |  |  |  |