

Web Technologies Sem-3

Unit 1: Introduction to Web Technologies & HTML

1. What is the difference between static and dynamic websites?
2. Explain the structure of an HTML document with an example.
3. What are HTML tags? Write examples for:
 - * Formatting tags (``, `<i>`, `<u>`)
 - * List tags (``, ``, `<dl>`)
4. Explain semantic vs. non-semantic elements in HTML5.
5. Write an HTML program to design a student registration form.

Unit 2: CSS (Cascading Style Sheets)

1. What are the types of CSS? Explain with syntax and example.
2. Differentiate between internal, external, and inline CSS.
3. What is the Box Model in CSS? Explain with a diagram.
4. Write a CSS code to style a navigation menu with hover effects.
5. Explain Flexbox or Grid Layout (if part of the syllabus).

Unit 3: JavaScript

1. What is JavaScript? How is it different from Java?
2. Write a JavaScript program to validate a form (e.g., email, phone number).
3. Explain variables, data types, and operators in JavaScript.
4. What are events in JavaScript? Give examples using `onclick`, `onmouseover`.
5. Explain DOM (Document Object Model) and how JavaScript interacts with it.

Unit 4: PHP (Hypertext Preprocessor)

1. What is PHP? List its features and uses.
2. Explain variables, data types, and operators in PHP.
3. Write a PHP script to collect and display form data using `POST` method.
4. How is file handling done in PHP? Give an example using `fopen()`, `fread()`, and `fclose()`.
5. Explain how PHP handles cookies and sessions.

Unit 5: Web Hosting and MySQL (Basics)

1. What is domain name and web hosting?
2. What are the steps to host a website?
3. What is MySQL? How can it be connected with PHP?
4. Write PHP code to insert, update, and delete records from a MySQL table.
5. Explain CRUD operations using PHP and MySQL.

◆ Frequently Asked 10 Marks Questions

- * Compare client-side and server-side scripting with examples.
- * Write HTML and CSS code to design a responsive web page.
- * Write a complete form in HTML and validate it using JavaScript.
- * Describe how to connect PHP with MySQL database and perform operations.
- * Explain session management in web development using PHP.