MODULE-1

1. Illustrate the Client–Server model using a simple example to show how client requests and server responses work.
2. Explain the basic structure of an HTML document with example
3. Explain the difference between a web page and a website with real-world examples
4. Differentiate between static and dynamic websites using suitable examples.
5. Define the Internet and WWW, and explain their interconnection using examples related to web pages.
6. Discuss the need for responsive web design with suitable examples
7. Discuss the role of browser Developer Tools in designing and testing web pages
8. Break down the structure of a URL and explain each part with an example
9. Describe how a search engine retrieves and displays web information
10. Explain the role of a web browser in accessing and displaying web pages

MODULE-2

1. Design a webpage using **and** **tags** to group and style content separately.
2. Develop an HTML page that uses all three types of lists tags to organize information.
3. Design an HTML page that displays a poem where line breaks and spaces are preserved as typed.
4. Explain why HTML character entities are required and demonstrate their **usage** with examples.
5. Describe different HTML heading tags and paragraphs, and explain their usage in structuring web page content with examples.
6. Explain the purpose of the following tags in HTML, and describe their differences in functionality with suitable examples.
    a. <b> and
    b. <i> and
    c. <del> and <ins>
    d. <sup> and <sub>
7. Describe how to change the background of a web page using HTML and CSS.
8. Demonstrate the use of HTML comments and the <q> tag with simple HTML examples.

MODULE-3

1. Design a web page using images, tables. Explain the purpose of the HTML tags used.
2. How is the target attribute used in HTML links? Explain its different values with suitable examples.
3. Demonstrate the use of colspan and rowspan attributes in an HTML table with suitable examples.
4. Apply the <iframe> tag to embed an external web page and show its attributes with an example.
5. Demonstrate the GET and POST methods of a form with examples and explain their use.
6. Create an HTML5 form with appropriate input fields, labels, and submit functionality.
7. Demonstrate the use of important <form> attributes in HTML with suitable examples.
8. L2: Why is XHTML used? Explain the rules for converting HTML to XHTML with examples.
9. Demonstrate the use of any four semantic elements in HTML with suitable examples.
10. Explain the following HTML tags and attributes with examples:
    a. <fieldset>
    b. <textarea>
    c. Cell padding
    d. Cell spacing

MODULE-4

1. How can different types of CSS be used to create an interactive web page and improve user experience?
2. Explain the basic syntax of CSS and describe the components of a CSS rule with examples.
3. Explain the following CSS selectors with suitable usage in an interactive web page:
   a) Element Selectors
   b) Class Selectors
   c) ID Selectors
   d) Grouped Selectors
4. 4. What is a CSS pseudo selector and how does it improve user interaction on a web page? Explain with examples.
5. Demonstrate the use of CSS by explaining its benefits, syntax, and declaration in web page design.

6. Explain the CSS Box Model with a neat diagram and demonstrate its use in dynamic web page design.
7. Explain the CSS background and border properties used in the box model with suitable examples.
8. Analyze the CSS Box Model by showing the effect of margin, border, and padding with an example.
9. Analyze how text and font properties in CSS can be applied to enhance the visual appearance of a web page.
10. Analyze how CSS height and width properties can be applied to design an effective web page layout with suitable examples.

MODULE-5

1. Analyze the role of looping statements in executing repetitive tasks in JavaScript.
2. Differentiate with examples the scope rules of var, let, and const.
3. How do conditional statements help in creating dynamic behavior on web pages? Explain with an example.
4. Explain the role of different JavaScript operators in controlling program logic
5. How does JavaScript use events to interact with users and update a web page?
6. How do JavaScript objects help maintain web standards while creating interactive applications?
7. Examine the role of the DOM in creating responsive web pages.
8. Analyze the role of different event types in creating interactive web pages.
9. How does JavaScript work with HTML and CSS to create interactive web pages?
10. Examine how JavaScript functions are used to structure and control functionality in interactive web applications.