**HTML, CSS, JavaScript First Topic 20 MIN**

**2. What is the correct way to create a comment in HTML?**

a) <!-- This is a comment --> Tag (Correct)

b) // This is a comment

c) <comment>This is a comment</comment>

d) /\* This is a comment \*/

**3. What tag defines a heading in HTML?**

a) <title>

b) <h1> (Correct)

c) <header>

d) <div>

**4. CSS stands for:**

a) Cascading Style Sheets (Correct)

b) Creative Style Scripting

c) Coded Style Specification

d) Colorful Style System

**5. What property in CSS is used to change the background color of an element?**

a) background-color (Correct)

b) color

c) style

d) bgcolor

**6. Which of the following is NOT a valid way to link an external CSS file to an HTML document?**

a) `<link rel="stylesheet" href="style.css">` (Correct)

b) `<style src="style.css"></style>`

c) `<css href="style.css"></css>`

d) By including the CSS code directly within the `<head>` section

**7. JavaScript is used to:**

a) Define the structure of a web page

b) Style the appearance of a web page

c) Add interactivity to a web page (Correct)

d) All of the above

**8. What symbol is used to write comments in JavaScript?**

a) // (Correct)

b) /\* \*/

c) #

d) !

**9. How do you declare a variable in JavaScript?**

a) var name = value (Correct)

b) let name = value

c) const name = value

d) All of the above (var, let, and const are all valid ways)

**10. What does the `alert()` function do in JavaScript?**

a) Creates a loop

b) Displays a message box (Correct)

c) Reads data from a file

d) Performs a mathematical calculation

**11. Which HTML tag is used to create a hyperlink?**

a) <link>

b) <a> (Correct)

c) <href>

d) <url>

**12. What attribute of the `<a>` tag specifies the URL of the linked resource?**

a) <link>

b) <href> (Correct)

c) <target>

d) <url>

**13. What is the difference between HTML and CSS?**

a) HTML defines the structure, CSS defines the style. (Correct)

b) HTML is a scripting language, CSS is a markup language.

c) There is no difference, they are the same thing.

d) HTML defines the behavior, CSS defines the content.

**14. What is the role of JavaScript in web development?**

a) To add dynamic and interactive elements to web pages. (Correct)

b) To validate user input.

c) To manage communication with servers.

d) All of the above

**15. What is the DOM (Document Object Model) in web development?**

a) A framework for building web applications.

b) A representation of a web page as a tree structure. (Correct)

c) A scripting language specifically for web pages.

d) A protocol for transferring data between web servers.

**16. How can you select elements in JavaScript to manipulate them?**

a) By using their ID or class attributes. (Correct)

b) By directly modifying the HTML code.

c) There is no way to select elements in JavaScript.

d) By using specific keywords for each element type.

**17. What is an event in JavaScript?**

a) A user action that triggers a JavaScript function. (Correct)

b) A specific type of variable.

c) A keyword used to define functions.

d) A pre-written piece of code for common tasks.

**18. What is the purpose of a web browser?**

a) To write and edit HTML, CSS, and JavaScript code.

b) To interpret and display web pages. (Correct)

c) To manage communication between web servers and clients.

d) All of the above