Multiple Choice Questions

1. What does CSS stand for in web design?

   A) Computer Style Sheets

   B) Creative Style Solutions

   C) Cascading Style Sheets

   D) Centralized Styling System

2. Which of the following HTML tags is used to create a hyperlink?

   A) <link>   **B) <a>**   C) <url>   D) <hrel>

3. Which programming language is primarily used for client-side scripting in web development?

   A) Java   B) Python   **C) JavaScript**   D) Ruby

4. Which of the following is NOT a commonly used web design file format for images?

   A) .jpg   **B) .mp3**   C) .png   D) .gif

5. What is the purpose of the "alt" attribute in HTML image tag?

   A) It specifies the alignment of the image.

   B) It defines the size of the images

   C) It provides alternative text for the images for accessibility.

   D) It controls the animation of the image.

6. How can you include CSS in an HTML document?

   A) Using the <style> tag within the <head> section

   B) Using the <link> tag with a "stylesheet" relationship in the <head> section

   C) Using the style attribute in HTML elements.

   D) All of the above

7. Which CSS property is used to control the spacing between lines of text?

   A) text-spacing   B) line-spacing   C) letter-spacing   **D) line-height**

8. What does the "float" property in CSS do?

   A) It controls the alignment of text within an element.

   B) It removes an element from the normal flow of the document and positions it to the left or right of its containing element.

   C) It makes an element visible or hidden.

   D) It rotates an element clockwise or counterclockwise.

9. What does the "z-index" property in CSS control?

   A) It controls the size of an element.

   B) It controls the position of an element in the stacking order.

C) It controls the opacity of an element.

D) It controls the rotation of an element.

10. Which HTML tag is used to define a table row?

    A) <tr>   B) <td>   C) <th>   D) <table>

11. Which keyword is used to declare a variable in JavaScript?

    A) var   B) variable   C) V   D) let

12. Which operator is used for strict equality comparison in JavaScript?

    A) ==   B) !=   **C) ===**   D) !==

13. Which function is used to output data to the console in JavaScript?

    A) print()   B) log()   C) display()   **D) console.log()**

14. Which built-in method is used to convert a string to an integer JavaScript?

    A) parseInt()   B) toInteger()   C) convertToInt()   D) stringToInt()

15. What does the method querySelector() do in JavaScript?

    A) It selects multiple elements based on a class name.

    B) It selects the first element based on a CSS selector.

    C) It selects an element based on its ID.

    D) It selects all elements of a specific tag name.

16. What are the three main components involved in a Client-Server setup?

    Hints: The main components of a Client-server setup include:

    1. Clients: Devices that request services or resources from the server.

    2. Server: A central system that manages and provides services, resources, or data to clients.

    3. Network: The communication medium that connects clients and the server.

17. What is the significance of adhering to web standards in achieving cross-browser compatibility?

    Hints: Adhering to web standards ensures that websites are developed using standardized practices, improving compatibility across browsers and devices.

18. How does an FTP client work?

    Hints: An FTP client establishes a connection to the FTP server using the FTP protocol. It prompts the user to enter the FTP server's address, username, and password for authentication. Once connected, users can navigate the server's directory structure and transfer files between the local machine and the server.

19. How can you create a responsive navigation bar using Bootstrap?

Hints: You can create a responsive navigation bar using the Bootstrap Navbar component by wrapping your navigation links and content in the appropriate HTML structure and applying the necessary CSS classes.

20. How can you create a carousel of images using Bootstrap?

Hints: You can create a carousel of images using the Bootstrap Carousel component by adding the necessary HTML structure, including the carousel indicators and slides, and applying the appropriate CSS classes.

21. What role does a database play in a CMS?

Hints: A database in a CMS is used to store and retrieve content. It allows for efficient content management, enabling users to easily update, modify, and organize their website's information. The database ensure that the content is stored in a structured manner, making it accessible for retrieval and presentation on the website.

22. How can Bootstrap be integrated into a project?

Hints: Bootstrap can be integrated into a project by including its CSS and JavaScript files in the HTML, document or by using package managers like npm or yarn to install and manage Bootstrap as a dependency. Additional, Bootstrap can be customized and extended using sass variables and mixins.

23. What are three common features of a CMS?

Hints: Common features of a CMS include content creation and editing tools, user management, publishing workflows, version control, and website analytics integration

24. What is AJAX in jQuery?

Hints: AJAX (Asynchronous JavaScript and XML) in jQuery allows for asynchronous communication between the client and server, enabling dynamic loading of content without reloading the entire webpage. jQuery provides methods like $.ajax(),$.get(), and $.post() to handle AJAX requests and responses efficiently.

25. How does jQuery simplify DOM manipulation?

Hints: jQuery simplifies Dom manipulation by providing a concise syntax and a set of methods that allows developers to select elements, modify their attributes and content, manipulate CSS styles, and perform other common tasks with case.

26. How does CMS enable collaboration among multiple users?

Hints: A CMS enables collaboration among multiple users by providing user management features. Users can have different roles and permissions, allowing them to contribute and manage content according to their responsibilities. This ensures only authorized individuals can make changes or publish content, facilitating effective teamwork and content management.

27. What is a function in Excel? Write an example?

Hints: In Excel, a function is a predefined formula that performs specific calculations or tasks. Functions are designed to simplify complex calculations and automate repetitive task. They take inputs (known as arguments) and return a result based on those inputs. Excel includes a wide

range of built-in functions for various purposes, such as mathematical calculations, statistical analysis, date and time manipulation, text manipulation and more.

28. What is the purpose of slide transitions in PowerPoint?

    Hints: Slide transitions in PowerPoint are used to control the way slides move from one to the next during a presentation. They add visual effects between slides, such as fades, wipes, and zooms, to enhance the flow and engagement of the presentation.

29. How can you add animations to objects in PowerPoint?

    Hints: Animations can be added to objects in PowerPoint by selecting the object, navigating to the "Animations" tab, choosing an animation effect from the "Animation" gallery, and adjusting the animation settings as needed.

30. How can you spell check a document in Microsoft Words?

    Hints: To spell check a document in Microsoft Word, go to the "Review" tab, click on the "Spelling & Grammar" button in the "Proofing" group, or press F7 on your keyboard. Word will then check the document for spelling and grammar errors and provide suggestions for corrections.