Name: _____   Date: _____

Deciphering the Skeletal Code: A 10th Grade Web Architecture Quiz

Sophomores identify the fundamental blueprints of the digital world by connecting tags, selectors, and logic to real-world browser behavior.

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1. When building an online portfolio, which file acts as the 'skeleton' or 'map' that tells the browser what content exists, such as paragraphs and images?

    A. styles.css

    B. script.js

    C. index.html

    D. image.jpg

2. True or False: CSS is primarily used to define the logical functions and mathematical calculations of a website.

    A. True

    B. False

3. In the web development trio, _____ is the language responsible for making a page interactive, such as popping up an alert when a user clicks a 'Submit' button.

    A. HTML

    B. XML

    C. JavaScript

    D. Python

4. If you want to change the font of every paragraph on your blog to 'Helvetica,' which technology and syntax would you use?

    A. HTML: Helvetica

    B. CSS: p { font-family: Helvetica; }

    C. JS: paragraph.font = 'Helvetica'

    D. HTML: <p type='Helvetica'>

5. True or False: Every HTML document must be wrapped in <html> tags to be recognized correctly by a web browser.

    A. True

    B. False

6. To create a hyperlink that connects one page to another, developers use the HTML _____ tag.

    A. <link>

    B. <a>

    C. <href>

    D. <connect>

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7. Which of the following best describes the 'Separation of Concerns' in web development?

    A. Putting all code into one single file for speed.

    B. Using different browsers for different websites.

    C. Dividing HTML, CSS, and JS into separate files to keep code organized.

    D. Hiding your code so others cannot copy it.

8. True or False: JavaScript can only change text on a page and cannot change the CSS colors of an element.

    A. True

    B. False

9. In CSS, the _____ property is used to determine the amount of space between the content of an element and its border.

    A. margin

    B. padding

    C. gap

    D. spacing

10. Which order of technologies represents the standard 'order of operations' when a browser loads a basic page?

    A. CSS styles the page before HTML is even found.

    B. JavaScript writes the HTML, then CSS is ignored.

    C. HTML loads the structure, CSS applies styles, and JS adds functionality.

    D. Only JavaScript is needed for modern browsers to display content.