Set 1

MCQs (30 Questions)

1. Which of the following best describes the role of a front-end developer?
   a) Manages databases
   <mark>b) Designs UI with HTML, CSS, JS</mark>
   c) Configures web servers
   d) Implements APIs

2. What does HTML stand for?
   <mark>a) HyperText Markup Language</mark>
   b) HighText Machine Language
   c) Hyper Transfer Markup Language
   d) Hyper Tool Multi Language

3. Which tag is used to create a hyperlink in HTML?
   a) <link>
   b) <href>
   <mark>c) <a></mark>
   d) <hyper>

4. Which HTML element is used to display the largest heading?
   a) <h6>
   <mark>b) <h1></mark>
   c) <header>
   d) <p>

5. Semantic HTML improves:
   a) Styling performance
   <mark>b) Code readability and accessibility</mark>
   c) File size
   d) Image rendering

6. Which CSS property is used to change text color?
   a) font-style
   b) text-color
   <mark>c) color</mark>
   d) background-color

7. The default position property of an element in CSS is:
   a) absolute
   b) relative

c) static
d) fixed

8. Which CSS unit is relative to the root element's font size?
   a) px
   b) em
   c) rem
   d) %

9. The CSS box model does NOT include:
   a) Content
   b) Margin
   c) Border
   d) Layer

10. Which property is used to control element stacking order?
    a) z-index
    b) order
    c) stack
    d) priority

11. Flexbox property to distribute extra space between items:
    a) justify-content
    b) align-items
    c) flex-wrap
    d) display

12. In Grid layout, which property defines column sizes?
    a) grid-template-rows
    b) grid-template-columns
    c) grid-area
    d) grid-gap

13. CSS animation uses which property for keyframes?
    a) @style
    b) @animation
    c) @keyframes
    d) @frames

14. Which framework is primarily CSS-based?
    a) React
    b) Bootstrap
    c) Django
    d) Node.js

15. Which tag represents semantic HTML?
    a) <div>
    b) <span>
    c) <article>
    d) <b>

16. To link CSS with HTML, which tag is correct?
    a) <style href="style.css">
    b) <css link="style.css">
    c) <link rel="stylesheet" href="style.css">
    d) <stylesheet link="style.css">

17. Which property makes elements overlap?
    a) float
    b) position: absolute
    c) margin
    d) padding

18. Which CSS property controls the space between lines of text?
    a) letter-spacing
    b) text-indent
    c) line-height
    d) spacing

19. Which HTML element is used for inserting an image?
    a) <img>
    b) <src>
    c) <image>
    d) <picture>

20. Which is true about CSS Grid vs Flexbox?
    a) Flexbox is for 2D layout
    b) Grid is for 1D layout
    c) Grid handles both rows and columns
    d) Flexbox is always better

21. The attribute alt in <img> is used for:
    a) File path
    b) Alternate text if image fails
    c) Styling images
    d) Image size

22. Which CSS property is NOT used in positioning?
    a) top

b) right
c) float
d) opacity

23. CSS transform: rotate(90deg); rotates element:
    a) Vertically
    b) Clockwise 90 degrees
    c) Counterclockwise 90 degrees
    d) Flips upside down

24. Which CSS property creates transition effects?
    a) transition
    b) transform
    c) animation-delay
    d) keyframes

25. CSS Grid gap between rows and columns is controlled by:
    a) margin
    b) grid-gap
    c) border-spacing
    d) spacing

26. HTML5 introduced which tag?
    a) <marquee>
    b) <video>
    c) <font>
    d) <blink>

27. Which CSS framework uses utility classes?
    a) Bootstrap
    b) Tailwind CSS
    c) Materialize
    d) Foundation

28. In CSS, position: fixed; means element is:
    a) Relative to parent
    b) Relative to viewport
    c) Scrollable
    d) Hidden

29. Which HTML tag creates a table row?
    a) <row>
    b) <tr>

c) <td>
d) <table>

30. Which meta tag is important for responsiveness?
   a) <meta charset>
   b) <meta name="viewport">
   c) <meta author>
   d) <meta description>

Coding Questions

1. Write HTML and CSS code to create a navigation bar with three links aligned horizontally in the center.

2. Write CSS code to create a responsive 3-column grid layout that becomes 1 column on small screens.