**Set 2**

**MCQs (30 Questions)**

1. Which protocol is used for web communication?  
   a) HTTP/HTTPS  
   b) FTP  
   c) SMTP  
   d) SSH
2. Which HTML tag is used for inserting a line break?  
   a) <p>  
   b) <br>  
   c) <line>  
   d) <break>
3. Which attribute specifies the URL in an anchor tag?  
   a) href  
   b) link  
   c) url  
   d) src
4. <em> in HTML means:  
   a) Italics (semantic emphasis)  
   b) Bold text  
   c) Small text  
   d) Highlight text
5. Which CSS property changes the background color?  
   a) bg-color  
   b) color  
   c) background-color  
   d) bgcolor
6. The difference between inline and block elements is:  
   a) Inline takes full width  
   b) Block flows inside text  
   c) Block starts on new line  
   d) Both are same
7. CSS unit % is relative to:  
   a) Screen width  
   b) Parent element  
   c) Root font size  
   d) Absolute pixels
8. Which of the following is NOT semantic HTML?  
   a) <header>  
   b) <footer>  
   c) <div>  
   d) <article>
9. Which CSS property controls text size?  
   a) font-weight  
   b) text-size  
   c) font-size  
   d) size
10. Which CSS property is used for shadow effects?  
    a) text-decoration  
    b) box-shadow  
    c) outline  
    d) filter
11. CSS Flexbox axis direction is controlled by:  
    a) flex-direction  
    b) justify-content  
    c) align-items  
    d) order
12. In CSS Grid, which property merges cells?  
    a) grid-span  
    b) grid-column  
    c) column-span  
    d) row-span
13. CSS transition requires:  
    a) Only transition-property  
    b) Transition-property + transition-duration  
    c) Only transition-duration  
    d) Only transform
14. Which CSS framework is mobile-first?  
    a) Bootstrap  
    b) Tailwind  
    c) Foundation  
    d) All of the above
15. Which tag is used for ordered lists?  
    a) <ul>  
    b) <ol>  
    c) <li>  
    d) <list>
16. Which tag is used to group block-level content?  
    a) <group>  
    b) <span>  
    c) <div>  
    d) <section>
17. CSS property to fix element at screen bottom:  
    a) position: relative; bottom: 0;  
    b) position: absolute; bottom: 0;  
    c) position: fixed; bottom: 0;  
    d) float: bottom;
18. Which CSS property increases spacing between characters?  
    a) letter-spacing  
    b) word-spacing  
    c) line-height  
    d) text-indent
19. Which HTML tag is used for inline code snippets?  
    a) <pre>  
    b) <code>  
    c) <kbd>  
    d) <tt>
20. CSS Grid property to control spacing between cells:  
    a) margin  
    b) gap  
    c) padding  
    d) grid-spacing
21. What is the default HTML doctype for modern browsers?  
    a) <!DOCTYPE html>  
    b) <!DOCTYPE HTML5>  
    c) <!DOCTYPE>  
    d) <!HTML>
22. CSS animation timing is controlled by:  
    a) animation-speed  
    b) animation-duration  
    c) animation-delay  
    d) keyframes
23. Which CSS property changes cursor style?  
    a) mouse-style  
    b) pointer  
    c) cursor  
    d) hand
24. Which tag is used for main navigation in semantic HTML?  
    a) <menu>  
    b) <nav>  
    c) <ul>  
    d) <header>
25. Which HTML tag is used for responsive image handling?  
    a) <img>  
    b) <picture>  
    c) <image>  
    d) <source>
26. Which meta tag is used for SEO keywords?  
    a) <meta description>  
    b) <meta name="keywords">  
    c) <meta viewport>  
    d) <meta author>
27. Which CSS layout is best for aligning items vertically?  
    a) Float  
    b) Flexbox  
    c) Grid  
    d) Inline-block
28. Which CSS property hides an element but keeps its space?  
    a) display: none;  
    b) opacity: 0;  
    c) visibility: hidden;  
    d) overflow: hidden;
29. Which HTML tag is used for form input?  
    a) <textbox>  
    b) <form>  
    c) <input>  
    d) <field>
30. Which CSS property controls overflow content?  
    a) visible  
    b) overflow  
    c) hidden  
    d) display

**Coding Questions**

1. Write HTML and CSS to create a responsive button that changes color on hover.
2. Create a two-column layout where left side is fixed width (200px) and right side is flexible.