**✅ 30 MCQs (with answers)**

1. **What is a website?**  
   A) A computer  
   B) A place to shop only  
   C) A collection of related web pages  
   D) A social media account  
   ✅ **Answer: C**
2. **Which of the following is a search engine?**  
   A) Facebook  
   B) Chrome  
   C) Google  
   D) Windows  
   ✅ **Answer: C**
3. **What is a web application?**  
   A) A mobile app  
   B) A software that runs on the web  
   C) A video game  
   D) A television  
   ✅ **Answer: B**
4. **What is website development?**  
   A) Making apps  
   B) Creating games  
   C) Building websites  
   D) Browsing internet  
   ✅ **Answer: C**
5. **Which of the following is a static website?**  
   A) One that changes every second  
   B) A site that does not change  
   C) A live chat website  
   D) An online game  
   ✅ **Answer: B**
6. **Which website updates content automatically?**  
   A) Static  
   B) Dynamic  
   C) Simple  
   D) None  
   ✅ **Answer: B**
7. **Which part is responsible for design in a website?**  
   A) Backend  
   B) Processor  
   C) Frontend  
   D) Server  
   ✅ **Answer: C**
8. **What is backend development?**  
   A) Making videos  
   B) Writing reports  
   C) Server-side programming  
   D) Image editing  
   ✅ **Answer: C**
9. **HTML stands for:**  
   A) HighText Machine Language  
   B) HyperText Markup Language  
   C) HyperText Markdown Language  
   D) Home Tool Markup Language  
   ✅ **Answer: B**
10. **What is HTML used for?**  
    A) Designing graphics  
    B) Writing emails  
    C) Creating web page structure  
    D) Making videos  
    ✅ **Answer: C**
11. **What does the <body> tag contain?**  
    A) Meta data  
    B) Title of the page  
    C) Page content  
    D) None  
    ✅ **Answer: C**
12. **Which HTML tag makes a main heading?**  
    A) <p>  
    B) <title>  
    C) <h1>  
    D) <head>  
    ✅ **Answer: C**
13. **To break a line in HTML we use:**  
    A) <br>  
    B) <break>  
    C) <b>  
    D) <line>  
    ✅ **Answer: A**
14. **Which tag is used to display a paragraph?**  
    A) <head>  
    B) <p>  
    C) <title>  
    D) <h1>  
    ✅ **Answer: B**
15. **Which tag creates bullet points?**  
    A) <ol>  
    B) <ul>  
    C) <li>  
    D) <br>  
    ✅ **Answer: B**
16. **Which tag is used for numbered lists?**  
    A) <ul>  
    B) <ol>  
    C) <li>  
    D) <p>  
    ✅ **Answer: B**
17. **HTML tables are used to:**  
    A) Play games  
    B) Store videos  
    C) Arrange data in rows and columns  
    D) Display images only  
    ✅ **Answer: C**
18. **Which tag is used to create a link?**  
    A) <a>  
    B) <link>  
    C) <href>  
    D) <url>  
    ✅ **Answer: A**
19. **CSS is used for:**  
    A) Creating websites  
    B) Styling web pages  
    C) Making mobile apps  
    D) Running servers  
    ✅ **Answer: B**
20. **Which CSS type is written inside a tag?**  
    A) Internal  
    B) External  
    C) Inline  
    D) Direct  
    ✅ **Answer: C**
21. **Which CSS type uses a separate file?**  
    A) Inline  
    B) Internal  
    C) External  
    D) Manual  
    ✅ **Answer: C**
22. **CSS helps in:**  
    A) Changing colors and fonts  
    B) Coding logic  
    C) Saving passwords  
    D) Uploading files  
    ✅ **Answer: A**
23. **To decorate tables with CSS, we use:**  
    A) Border and background-color  
    B) <table> tag only  
    C) Images  
    D) <form>  
    ✅ **Answer: A**
24. **Which tag is used to add a video in HTML?**  
    A) <media>  
    B) <video>  
    C) <file>  
    D) <clip>  
    ✅ **Answer: B**
25. **JavaScript is used to:**  
    A) Style the page  
    B) Make web pages interactive  
    C) Store images  
    D) Add text  
    ✅ **Answer: B**
26. **Which keyword is used to declare a variable in JS?**  
    A) let  
    B) input  
    C) var  
    D) value  
    ✅ **Answer: C**
27. **Which symbol is a plus operator in JS?**  
    A) -  
    B) \*  
    C) +  
    D) /  
    ✅ **Answer: C**
28. **If-else is used in JavaScript for:**  
    A) Repeating tasks  
    B) Making decisions  
    C) Styling the page  
    D) Making headers  
    ✅ **Answer: B**
29. **Which loop repeats a block of code?**  
    A) Variable  
    B) Function  
    C) If-else  
    D) For loop  
    ✅ **Answer: D**
30. **What is debugging?**  
    A) Drawing images  
    B) Fixing errors in code  
    C) Making games  
    D) Writing stories  
    ✅ **Answer: B**

**🧠 20 SLO-Based Questions with 3-Line Answers**

1. **What is a website and how is it different from a web application?**  
   A website is a group of web pages shown in a browser.  
   A web application allows user interaction like login or forms.  
   Web applications are dynamic, websites may be static.
2. **Define a search engine and give examples.**  
   A search engine helps users find websites or information online.  
   Google, Bing, and Yahoo are common search engines.  
   They use keywords to show results from the internet.
3. **What is static and dynamic website?**  
   Static websites show the same content to every visitor.  
   Dynamic websites change content based on user input or server.  
   Facebook is dynamic; a school website is usually static.
4. **What is the role of frontend and backend in websites?**  
   Frontend is what users see like text, colors, and buttons.  
   Backend handles data, login, and storage that works behind the scenes.  
   Both are needed to make functional websites.
5. **What is HTML and why is it important?**  
   HTML is the basic code used to make websites.  
   It provides structure using tags like <p>, <h1>, and <table>.  
   Every website uses HTML at its core.
6. **Explain the HTML DOM.**  
   DOM means Document Object Model.  
   It treats HTML page as a tree structure.  
   JavaScript can change parts of the page using DOM.
7. **List any five important HTML tags.**  
   <html>, <head>, <body>, <h1>, and <p> are common tags.  
   <html> starts the page, <body> holds content.  
   Headings use <h1> to <h6> for different sizes.
8. **How do you break a line or add bullets in HTML?**  
   Use <br> for line breaks.  
   For bullets use <ul> and <li>.  
   Numbered lists use <ol> and <li>.
9. **What is a table in HTML and how is it used?**  
   A table organizes data in rows and columns.  
   Use <table>, <tr>, <th>, and <td> tags.  
   It's useful for schedules, marksheets, and more.
10. **How can we add a link to another page in HTML?**  
    Use <a href="URL">Link Text</a> tag.  
    This creates a clickable link.  
    It can open a file, page, or document.
11. **What is CSS and why do we use it?**  
    CSS stands for Cascading Style Sheets.  
    It changes font, color, size, and layout of a webpage.  
    It makes pages attractive and easy to use.
12. **What are the three types of CSS?**
    1. Inline CSS (in the tag using style).
    2. Internal CSS (inside <style> in <head>).
    3. External CSS (in a separate file linked to HTML).
13. **How can CSS decorate tables?**  
    CSS can change borders, background colors, and fonts of tables.  
    Example: border: 1px solid black; background-color: yellow;.  
    It improves readability and appearance.
14. **How to add a video clip in a website?**  
    Use the <video> tag with src and controls.  
    Example: <video src="movie.mp4" controls></video>.  
    It lets users play, pause, and watch videos.
15. **What is JavaScript and how is it useful?**  
    JavaScript is a programming language for web pages.  
    It makes pages interactive, like showing messages or changing colors.  
    HTML + CSS + JavaScript = complete website.
16. **How do we declare a variable in JavaScript?**  
    Use the var keyword followed by the name.  
    Example: var age = 15;.  
    Variables store data like numbers, names, etc.
17. **What are operators in JavaScript?**  
    Operators perform actions like addition (+), subtraction (−), etc.  
    Example: var sum = 5 + 3;.  
    They are used in math and conditions.
18. **Explain if-else in JavaScript.**  
    It is used to make decisions in programs.  
    If condition is true, do something; else do another.  
    Helps control what code runs.
19. **What are loops in JavaScript?**  
    Loops run the same code many times.  
    Example: for loop repeats a block.  
    Useful when working with lists or numbers.
20. **What is debugging and why is it important?**  
    Debugging means finding and fixing errors in code.  
    It helps the program run correctly.  
    Tools like browser console are used to debug.