## ✅ 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.