Web Development with HTML, CSS and JavaScript

MCQs and Short Questions

Q1. What is web development?
Web development is the process of creating websites and web applications using some programming languages and tools.

Q2. Name the three main technologies used in web development.
The three main technologies are HTML, CSS, and JavaScript.

Q3. Why HTML is called the "skeleton" of a web page?
HTML is called the skeleton of a web page because it provides the basic structure and layout of the website.

Q4. How does CSS help in web development?
CSS makes web pages attractive by adding styles such as colors, fonts, and layouts.

Q5. What is the role of JavaScript in a website?
JavaScript makes a web page interactive by handling user actions like clicks, inputs, and events.

Q6. How does web development improve problem-solving skills?
It improves problem-solving skills by teaching how to identify and fix issues such as slow websites or errors.

Q7. Give one example of creativity in web development.
Designing a personal blog or a portfolio to show you unique layouts and colors in your webpage

Q8. How does web development support entrepreneurship?
It allows people to start their own online businesses, such as selling crafts or creating a new web service.

Q9. What is meant by a static web page?
A static web page is a simple webpage that shows fixed content and does not change when users interact with it.

Q10. Why is learning web development important today?
It is important because it increases digital literacy, creates career opportunities, and helps in starting online businesses.

Q11. What are the main components of web development?
The main components are Front-end Development, Back-end Development, and Full Stack Development.

Q12. What is the meant by Front-end Development?
Front-end Development focuses on what users see and interact with on a website.

Q13. What does HTML do in web development?
HTML structures the content on web pages such as headings, paragraphs, images, and links.

Q14. What is the main function of Back-end Development?
Back-end Development manages the behind-the-scenes functionality of websites, including servers, databases, and application logic.

Q15. What are Web Servers?
Web servers are computers that store and deliver web pages to users when they enter a URL in web browser.

Q16. What is the role of Database do in web development?
Databases store and manage data, such as user information, product details, and website content.

Q17. Name any two programming languages used in Back-end Development.
The two main languages are PHP, Python and Ruby.

Q18. What is Full Stack Development?
Full Stack Development means working on both Front-end and Back-end of a website.

Q19. What is HTML?
HTML stands for Hypertext Markup Language is used to create web pages.

Q20. What is the purpose of the web browser?
Web browser is used to view and test the html files. The common web browsers are Google Chrome, Mozilla Firefox, and Microsoft Edge.

MCQs and Short Questions

Q21. What is the purpose of the <head> tag in HTML?

The <head> tag contains meta-information about a web page, such as the title, linked CSS files, scripts, and other settings. It does not display content on the page.

Q22. What is the purpose of the <title> tag in HTML?

The <title> tag set the title of the webpage which appears in web browser title tag.

Q23. Differentiate Paired tags and unpaired tags.

Paired Tags	Unpaired Tags
Paired tags consist of an opening tab and closing tag and all contents are enclosed between to tags e.g contents of paragraph	Unpaired tags do not have closing tag. It is also called empty tag. e.g <img>, , <hr>.

Q24. Explain the difference between an ordered list and an unordered list in HTML.

Ordered List	Unordered List
An ordered list displays items in a numbered sequence (1, 2, 3). For ordered list tag is used.	An unordered list displays items with bullets (●) instead of numbers. For unordered list tag is used.

Q25. What is meant by links in HTML?

Links in HTML are used to connect one web page to another. They allow you to click on word or image to go to different parts of same page or other web pages. Links are created using <a> tag.

Q26. Describe the syntax for creating a hyperlink in HTML.

The <a> tag is used to create a hyperlink. e.g., **Visit abc.com**

Q27. How do you add a comment in CSS?

A comment in CSS is written between /* and */. e.g., /* This is a CSS comment */

Q28. What are the different ways to apply CSS to an HTML document?

There are three ways to apply CSS:

1. Inline CSS – Using the style attribute inside an HTML tag.

2. Internal CSS – Using the <style> tag inside the <head> section.

3. External CSS – Linking a separate CSS file using <link> in the <head>.

Q29. How can you include JavaScript in an HTML file?

JavaScript can be added in two ways:

1. Inside the HTML file using <script> tags.

2. By linking an external JavaScript file using: **<script src="script.js"></script>**

Q30. What is the function of the <div> tag in HTML?

The <div> tag is a container to group HTML elements together. It helps in styling and layout using CSS.

Q31. How do you link an external CSS file to an HTML document?

An external CSS file is linked using the <link> tag inside the <head> section:

<link rel="stylesheet" href="style.css">

Q32. What is the use of the <table> tag in HTML?

The <table> tag is used to display data in structured format. It helps organize information in a rows and column.

Q33. Explain the box model in CSS.

The CSS box model describes how elements are displayed on a web page. It has four parts:

1. Content – The text or image inside the element.

2. Padding – Space between content and border.

3. Border – The edge surrounding the padding.

4. Margin – Space outside the border, separating it from other elements.

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Q34. What is the role of variable in JavaScript?

Variable is like a container that holds information which can be used and manipulated in HTML code.

Q35. How we can declare a variable in JavaScript?

A variable can be declare in JavaScript by using var, let or const keyword. e.g,

```
<script>
var name ="Ali";
var age=15;
</script>
```

Q35. What are the uses of functions in JavaScript?

Functions allow you to reuse code and perform specific tasks.

Q36. Differentiate simple function and function with parameters?

Simple Function	Function with Parameters
Simple functions in JavaScript have no inputs during its call.	A function which take any inputs during its call. This inputs are called parameters of fucntion

Q37. What are the strategies for testing webpages?

Cross-Browsers testing, responsive design testing and user testing are strategies for testing webpages.

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