**HTML Basics & Syntax**

1. **What happens here?**

**<h1><p>Hello World</p></h1>**

**a) Renders normally  
b) Error: <p> not allowed inside <h1>  
c) Displays only “Hello World” in <h1> style  
d) Ignores <h1>**

1. **Predict the rendering:**

**<p>First Line<br>Second Line</p>**

**a) First Line Second Line  
b) First Line<br>Second Line  
c) First Line  
Second Line  
d) Error**

1. **Output of this HTML snippet:**

**<a href="mailto:test@example.com">Mail Me</a>**

**a) Opens Gmail website  
b) Opens default mail app  
c) Shows plain text Mail Me  
d) Error**

1. **Identify the error:**

**<input type="text" required="false">**

**a) Correct  
b) required doesn’t accept “false”  
c) Missing name attribute  
d) Only works in HTML4**

1. **What does this produce?**

**<ul type="square">**

**<li>One</li>**

**<li>Two</li>**

**</ul>**

**a) Numbered list  
b) Circular bullets  
c) Square bullets  
d) Error**

**CSS Selectors & Styling**

1. **Which text color applies?**

**<p id="txt" class="red">Hello</p>**

**#txt { color: blue; }**

**.red { color: red; }**

**a) Red  
b) Blue  
c) Black  
d) Error**

1. **What happens with this CSS?**

**p, h1 {**

**color: green;**

**}**

**a) Only p turns green  
b) Only h1 turns green  
c) Both p and h1 turn green  
d) Error**

1. **Predict the background:**

**<div class="box">Hi</div>**

**div.box {**

**background: pink;**

**}**

**.box {**

**background: yellow;**

**}**

**a) Pink  
b) Yellow  
c) Both overlap  
d) Error**

1. **Which selector is correct to style *only* <a> inside <li>?  
   a) a li {}  
   b) li a {}  
   c) a > li {}  
   d) li > ul {}**
2. **What happens?**

**<p style="font-size:20px; font-size:30px;">Hello</p>**

**a) 20px text  
b) 30px text  
c) Error  
d) Default size**

**CSS Box Model & Layout**

1. **Total height?**

**div {**

**height: 100px;**

**padding: 10px;**

**border: 5px solid;**

**margin: 20px;**

**}**

**a) 100px  
b) 110px  
c) 130px  
d) 150px**

1. **Output of this:**

**p {**

**display: none;**

**}**

**a) Element hidden, space removed  
b) Hidden but space preserved  
c) Text turns invisible but clickable  
d) Error**

1. **What happens with visibility:hidden?  
   a) Hides element but keeps space  
   b) Removes element completely  
   c) Same as display:none  
   d) Error**
2. **Identify error:**

**div {**

**float: middle;**

**}**

**a) No error  
b) Valid only in HTML4  
c) Invalid float value  
d) Works differently in Chrome**

1. **Which property makes child element ignore parent padding?  
   a) margin  
   b) position: absolute;  
   c) padding: inherit;  
   d) float**

**Flexbox & Grid**

1. **Predict the layout:**

**.container {**

**display: flex;**

**justify-content: space-between;**

**}**

**a) Items centered  
b) Items pushed to edges with space between  
c) Items stacked vertically  
d) Error**

1. **What does this do?**

**.container {**

**display: flex;**

**align-items: flex-start;**

**}**

**a) Aligns items at bottom  
b) Aligns items at top  
c) Aligns items center vertically  
d) Error**

1. **Which property reverses flex order?  
   a) flex-order: reverse;  
   b) flex-direction: row-reverse;  
   c) order: -1;  
   d) Both b & c**
2. **What happens?**

**.container {**

**display: grid;**

**grid-template-rows: 100px 200px;**

**}**

**a) 2 rows: 100px, 200px  
b) 2 columns: 100px, 200px  
c) Error  
d) Equal rows**

1. **Which is correct shorthand for grid gap?  
   a) gap: 10px;  
   b) grid-gap: 10px;  
   c) row-gap: 10px; column-gap: 10px;  
   d) All of these**

**CSS Animations & Transforms**

1. **What happens?**

**div {**

**transform: scale(2, 0.5);**

**}**

**a) Enlarges x-axis, shrinks y-axis  
b) Shrinks x-axis, enlarges y-axis  
c) Rotates element  
d) Error**

1. **Predict output:**

**div {**

**transform: translateX(50px) translateY(20px);**

**}**

**a) Moves 50px right, 20px down  
b) Moves 50px left, 20px up  
c) Rotates  
d) Error**

1. **Which CSS triggers animation repeatedly?  
   a) animation: slide 2s;  
   b) animation: slide 2s infinite;  
   c) animation: slide repeat;  
   d) animation: slide forever;**
2. **Error in this snippet:**

**@keyframes move {**

**0% { left: 0; }**

**100 { left: 100px; }**

**}**

**a) Missing % at 100  
b) Wrong property  
c) Missing semicolon  
d) None**

1. **What’s wrong here?**

**div:hover {**

**transition: background 2s;**

**background: red;**

**}**

**a) Transition won’t work  
b) Should define transition on base state  
c) Invalid property  
d) Nothing**

**Miscellaneous**

1. **What’s wrong?**

**<link href="style.css" type="text/css">**

**a) Needs rel="stylesheet"  
b) Wrong attribute order  
c) Should be <style>  
d) Nothing**

1. **Output of this input type:**

**<input type="range" min="0" max="10">**

**a) Number box  
b) Slider  
c) Textbox  
d) Error**

1. **Which HTML tag is invalid in HTML5?  
   a) <big>  
   b) <small>  
   c) <mark>  
   d) <em>**
2. **What happens with this CSS?**

**body {**

**font-family: Arial, sans-serif;**

**}**

**a) Uses Arial if available, else sans-serif  
b) Always Arial  
c) Always sans-serif  
d) Error**

1. **Which code makes image responsive?**

**<img src="pic.jpg" style="\_\_\_\_">**

**a) width=100%  
b) width:100%  
c) max-width:100%  
d) Both b & c**

**Question 1: Table Styling with CSS**

**Problem Statement:**  
Create an HTML page that displays a student marks table with the following requirements:

* Table should have 4 columns: **Roll No, Name, Subject, Marks**
* Table should have 5 rows of data.
* Table should have **borders collapsed**.
* The **header row** should have a **dark background with white text**.
* Rows should have alternate background colors (zebra effect).
* On hover, the row background should turn **light yellow**.

**Expected Output:**  
A styled table with clear borders, zebra striping, and hover highlight.

**🧩 Question 2: CSS Grid Layout**

**Problem Statement:**  
Create a **2x2 grid layout** using CSS Grid with the following requirements:

* The grid should have **4 boxes** labeled: Box 1, Box 2, Box 3, Box 4.
* Each box should have a different background color.
* Boxes should be **equal in size**.
* The grid should have **10px gap** between boxes.
* The whole grid should be **centered on the page**.

**Expected Output:**  
A neatly aligned **2x2 grid** with evenly spaced, colored boxes.