**Day 1**

Here are your **full updated HTML notes** for exam revision — covering **formatting tags** and **form elements**, neatly structured for easy study:

**📘 HTML5 Exam Notes – Formatting & Form Elements**

**🧱 HTML Page Structure (Basic Overview)**

html

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<!DOCTYPE html>

<html>

<head>

<title>Page Title</title>

</head>

<body>

<!-- Content goes here -->

</body>

</html>

**📝 1. Text Formatting Tags**

| **Tag** | **Description** | **Example** |
| --- | --- | --- |
| <b> | Bold (no special meaning) | <b>Bold</b> → **Bold** |
| <strong> | Bold (important content) | <strong>Important</strong> → **Important** |
| <i> | Italic (no special meaning) | <i>Italic</i> → *Italic* |
| <em> | Italic (emphasized content) | <em>Emphasis</em> → *Emphasis* |
| <u> | Underlined text | <u>Underline</u> → <u>Underline</u> |
| <small> | Smaller text | <small>Small</small> → <small>Small</small> |
| <mark> | Highlighted text | <mark>Marked</mark> → <mark>Marked</mark> |
| <s> | Strikethrough (non-semantic) | <s>Strike</s> → <s>Strike</s> |
| <del> | Deleted text (semantic) | <del>Deleted</del> → <del>Deleted</del> |
| <ins> | Inserted text (semantic underline) | <ins>Inserted</ins> → <ins>Inserted</ins> |
| <sub> | Subscript | H<sub>2</sub>O → H<sub>2</sub>O |
| <sup> | Superscript | x<sup>2</sup> → x<sup>2</sup> |
| <abbr> | Abbreviation with tooltip | <abbr title="HyperText Markup Language">HTML</abbr> |
| <code> | Inline code | <code>let x = 5;</code> → let x = 5; |
| <pre> | Preformatted text (keeps spaces/lines) | Good for code blocks |
| <q> | Short inline quote | <q>Quote</q> → “Quote” |
| <blockquote> | Block-level quote | Used for long quotes |
| <cite> | Citation (book, article) | <cite>Wings of Fire</cite> |
| <br> | Line break | Moves content to a new line |
| <hr> | Horizontal rule | Draws a horizontal line |
| <center> | Centers content (deprecated) | Use CSS instead |
| <span> | Inline container for styling | No visual change, useful with CSS |
| <div> | Block-level container | Groups content sections |

**🧾 2. Form Input Tags**

| **Tag / Attribute** | **Description** |
| --- | --- |
| <form> | Container for form elements |
| <label> | Adds label to inputs |
| <input type="text"> | Single-line text field |
| <input type="checkbox"> | Checkbox for multiple options |
| <input type="radio"> | Radio button (select one option) |
| <input type="datetime-local"> | Date and time picker |
| <input type="submit"> | Button to submit the form |
| placeholder="..." | Shows hint text in text boxes |
| name="..." | Assigns a name for input (used in backend) |
| id="..." | Unique ID (linked with label or JS) |
| value="..." | Sets a default value |

**✅ 3. Quick Tips**

* Use <strong> instead of <b> and <em> instead of <i> for accessibility.
* Use <pre> and <code> together for neat code blocks.
* Avoid <center> in modern HTML5 — use CSS (text-align: center).
* Always use matching name attributes for radio buttons to group them.
* <br> and <hr> are **self-closing** in HTML5.

Day 2

**1. Favicon**  
A small icon shown in the browser tab.  
It is placed in the <head> section.

html

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<link rel="icon" href="favicon.ico" type="image/x-icon">

**2. Link Tag with <a href>**  
Used to create hyperlinks.

html

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<a href="https://example.com" target="\_blank">Visit Example</a>

* href: The URL to open
* target="\_blank": Opens link in a new tab

**3. CSS and Its Types**  
CSS (Cascading Style Sheets) is used to style HTML content.

**Types of CSS:**

* Inline CSS – Inside the tag using style
* Internal CSS – Inside <style> in <head>
* External CSS – In a separate .css file linked using <link>

**4. Inline CSS**  
CSS written directly inside an HTML tag using the style attribute.

Example:

html

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<p style="color: red; font-size: 20px;">Hello!</p>

* Used for quick styling
* Not preferred for big projects

**5. Quotations in HTML**

| **Tag** | **Purpose** | **Example** |
| --- | --- | --- |
| <q> | Inline short quote | <q>Hello</q> → “Hello” |
| <blockquote> | Block-level long quote | Used for big quote blocks |
| <cite> | Title of a source/book | <cite>HTML Book</cite> |

**6. Commenting in HTML**  
Used to leave notes or disable code (not shown in browser).

Syntax:

html

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<!-- This is a comment -->

* Shortcut to comment: **Ctrl + /**

**7. Input Types in HTML**

| **Input Type** | **Use Case** | **Example** |
| --- | --- | --- |
| text | Regular text input | <input type="text"> |
| number | Only numbers allowed | <input type="number"> |
| email | Accepts valid email | <input type="email"> |
| radio | Select one option | <input type="radio"> |
| checkbox | Select multiple options | <input type="checkbox"> |
| password | Hidden characters | <input type="password"> |
| date | Date picker | <input type="date"> |
| time | Time picker | <input type="time"> |
| submit | Form submit button | <input type="submit"> |

**8. Using Inputs Inside a <form>**

Example:

html

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<form action="/submit" method="post">

<label>Name:</label>

<input type="text" name="name"><br>

<input type="submit" value="Submit">

</form>

* action: URL or path to handle form submission
* method:
  + get: Sends data via URL
  + post: Sends data securely (used in real projects)

**9. <pre> Tag**  
Displays **preformatted** text. It keeps **spaces, tabs, and line breaks** exactly as typed.

Example:

html

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<pre>

This is

spaced text.

</pre>

**10. <iframe> Tag**  
Embeds external content (like a website or video) inside your page.

Example:

html

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<iframe src="https://example.com" width="500" height="300"></iframe>

**11. HTML Media Elements**

**Audio:**

html

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<audio controls>

<source src="music.wav" type="audio/mpeg">

Your browser does not support the audio element.

</audio>

**Video:**

html

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<video width="320" height="240" controls>

<source src="boisss.mp4" type="video/mp4">

Your browser does not support the video tag.

</video>

* <source> is used to define the media file.
* controls attribute shows play/pause buttons.

**12. HTML Tables – <table>, <tr>, <th>, <td>**

| **Tag** | **Meaning** |
| --- | --- |
| <table> | Starts the table |
| <tr> | Table row |
| <th> | Table header (bold + center) |
| <td> | Table data cell |

Example:

html

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<table border="1">

<tr>

<th>Name</th><th>Age</th>

</tr>

<tr>

<td>Nikhil</td><td>22</td>

</tr>

</table>

**13. Table Attributes – rowspan and colspan**

* **rowspan**: Makes a cell span multiple rows.
* **colspan**: Makes a cell span multiple columns.

Example:

html

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<table border="1">

<tr>

<th rowspan="2">Name</th>

<th colspan="2">Marks</th>

</tr>

<tr>

<td>Math</td><td>Science</td>

</tr>

</table>

**14. <span> Tag**  
Used to apply **inline styling** to part of text.

Example:

html

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<p>This is <span style="color: red;">red text</span>.</p>

* Doesn’t affect layout, just used for style.

**15. Padding and Spacing in CSS**

* **Padding**: Space **inside** the element (between content and border)
* **Margin**: Space **outside** the element (between elements)

Example using inline CSS:

html

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<div style="padding: 10px; margin: 20px; background-color: lightgray;">

Hello with padding and margin

</div>