HTML Syllabus

1. Basic Understanding of HTML

- What is HTML?

- Structure of a web page

- HTML syntax: Tags, Elements, Attributes

2. Basic Tags

- <html>, <head>, <body>

- <title>,<link>

- <h1> to <h6>

- <p>

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- <hr>

- <marquee>

- Opening and closing tags

- Using comments in HTML

3. Text Formatting Tags

- <b>, <i>, <u> <q>

- <strong>, <em> <small>

- <mark> (Highlighted text)

- <sub>, <sup> (Subscript, Superscript)

- <del> <pre>

4. Lists

- Ordered list: <ol>,

- Unordered list: <ul>,

- Type = 'a',   style='list-style-type: square'

5. Links and Anchors

- <a> (Anchor tag)

- Hyperlinks: href attribute

- Link to the same page: #id , mailto:, tel:

- Target attributes: _blank, _self, etc.

6. Images

- `<img>` tag
- Image attributes: src, alt, width, height
- Image formats (JPG, PNG, GIF, etc.)
- `<figcaption>`

7. Tables

- `<table>`, `<tr>`, `<td>`, `<th>` `<thead>` `<tbody>``<colgroup>` `<col span=”1”>`
- Table attributes: border, cellspacing, cellpadding, colspan, rowspan
- Table headings and captions: `<caption>`

8. Forms

- `<form>` tag
- Form attributes: action, method
- Input tags: `<input>`, `<textarea>`, `<button>`, `<select>` `<options>` `</select>`, `<datalist>` `<option value=’’>` `</datalist>`
- Input attributes: required, placeholder, readonly, maxlength, pattern
- Custom error messages with the oninvalid event
- `<input type="text" required x oninput="this.setCustomValidity('')">`
- Labels: `<label>`, `<fieldset>`,

9. Div and Span

- `<div>` (Block-level element)
- `<span>` (Inline element)
- Using Classes and IDs for styling

10. Semantic HTML

- `<header>`, `<footer>`, `<article>`, `<section>`, `<aside>`, `<nav>`, etc.
- Importance of semantic tags for accessibility and SEO

11. HTML5 New Elements

- `<video>`, `<audio>`, `<iframe>`
  - Autoplay, Loop, muted ,Controls, poster in audio and video tags
- Favicon image by `<link rel=”icon” type=’image/x-icon’  href=’image address’>`