UQ25CA152A - Web Design

Unit 2: Designing Websites

1. Which tag is used to insert an image? The <img> tag is used.

Example:

<img src="flower.jpg" alt="Flower" width="200" height="150">

2. What are the three types of lists in HTML?

1. Ordered List <ol> – numbered items
2. Unordered List <ul> – bulleted items
3. Definition List <dl> – terms and definitions

3. Write HTML code for a table with 2 rows and 2 columns.

```
<table border="1">
  <tr><th>Name</th><th>Age</th></tr>
  <tr><td>Deepak</td><td>22</td></tr>
  <tr><td>Anita</td><td>20</td></tr>
</table>
```

4. Write a simple form with name and email fields.

```
<form method="post" action="submit.php">
  Name: <input type="text" name="uname"><br>
  Email: <input type="email" name="uemail"><br>
  <input type="submit" value="Submit">
</form>
```

5. What is the difference between absolute and relative links?

☐ Absolute link: Full URL (https://example.com/page.html)
☐ Relative link: Based on current location (page.html

6. Which tag is used to insert video in HTML5?
A18: <video> tag.
Example:

```
<video controls>
  <source src="movie.mp4" type="video/mp4">
</video>
```

7. Write HTML code to display an ordered list of any four web browsers.

```
<ol>
  <li>Google Chrome</li>
  <li>Mozilla Firefox</li>
  <li>Microsoft Edge</li>
  <li>Safari</li>
</ol>
```

8. Create an unordered list with square bullets showing 3 programming languages.

```
<ul type="square">
  <li>C</li>
  <li>Python</li>
  <li>Java</li>
</ul>
```

9. Write HTML code for a nested list (fruits list → inside each fruit show two examples).

```
<ul>
  <li>Fruits
```

```
  <ul>
    <li>Apple</li>
    <li>Mango</li>
   </ul>
 </li>
 <li>Vegetables
  <ul>
    <li>Carrot</li>
    <li>Potato</li>
   </ul>
 </li>
</ul>
```

10. Write HTML code for a table with 3 rows and 3 columns showing student marks.

```
<table border="1">
 <tr><th>Name</th><th>Math</th><th>Science</th></tr>
 <tr><td>Amit</td><td>85</td><td>90</td></tr>
 <tr><td>Neha</td><td>78</td><td>88</td></tr>
 <tr><td>Ravi</td><td>92</td><td>81</td></tr>
</table>
```

11. Write HTML code for a table with a caption and border.

```
<table border="1">
 <caption>Student Results</caption>
 <tr><th>Name</th><th>Marks</th></tr>
 <tr><td>Arjun</td><td>85</td></tr>
 <tr><td>Sita</td><td>92</td></tr>
</table>
```

12. Write HTML code for a login form with username and password fields.

```
<form action="login.php" method="post">
 Username: <input type="text" name="uname"><br>
 Password: <input type="password" name="upass"><br>
 <input type="submit" value="Login">
```

</form>
13. List any four commonly used form elements.
A5.
1. <input> – text, password, checkbox, radio, file, etc.
2. <textarea> – multi-line input.
3. <select> – dropdown menu.
4. <button> – clickable button.

14. Differentiate between GET and POST methods in form submission.
A3.
- **GET** → Sends data through URL, less secure, good for search forms.
- **POST** → Sends data in request body, more secure, used for login, registration.

```
<form action="/submit" method="post">
  <input type="text" name="name">
  <input type="submit" value="Submit">
</form>
```

15. How can you include an audio file with controls in HTML?

You can use the `<audio>` tag with the `controls` attribute to display playback controls.

```
<audio controls>
  <source src="audio-file.mp3" type="audio/mpeg">
  Your browser does not support the audio element.
</audio>
```

16. How can you embed a PDF document into a webpage?

Answer: To embed a PDF, you can use the `<embed>` or `<iframe>` tag.

```
<embed src="file.pdf" width="600" height="500" type="application/pdf">
```