**MODULE 3) HTML**

**Q-1 Are the HTML tags and elements the same thing?**

**Ans**.

No, The HTML tags and elements are not the same thing.HTML tags are building blocks of Html pages. HTML tags start with opening tags <p> and closing tags </p>.HTML elements are components that are used in HTML page.HTML elements start with opening tags, some contents and closing tags. Ex..<p>Good Morning</p>.It is called HTML elements.

**Q-2 What are tags and attributes in HTML?**

**Ans**.

HTML tags are building blocks of Html pages. HTML tags start with opening tags     <p>and closing tags</p > .All the HTML elements tags can be attributes. Attributes provides additional information about elements. Attributes are always specified in opening tags. Attributes usually denoted by name="value".

Ex.. <h1 height="100px" width="100px">h1</h1>In this example height and width are attributes in opening tags.

**Q-3 What are the void elements in HTML? With Example.**

**Ans**.

The void elements is an element whose content model never allows it to have contents under any circumstances. The Void elements is self closing  tag.

Ex..link, img,br,hr,meta tag etc.

**Q-4 What are HTML Entities? With Examples.**

**Ans**.

HTML Entities is the piece of the text that begins/starting with (&)ampersand and ends with a (;)semicolon.Entities are frequently used to display reserved characters and individual characters.

 Ex..&copy; &reg;

**Output** = © ®

**Q-5 What are the different types of lists in HTML?With Example.**

**Ans.**

**There are three types of Lists in HTML:**

       1)Order List

2)Unorder List

3)Description LIst (Data List)

  Ex..

     <ol>

        <li>one</li>

        <li>two</li>

        <li>three</li>

     </ol>

     <ul type="none">

       <li>1</li>

       <li>2</li>

       <li>3</li>

     </ul>

     <dl>

       <dt>paneer</dt>

       <dd>Masala paneer</dd>

       <dd>Khoya paneer</dd>

     </dl>

**Output =**

      one

      two

      three

      1

      2

      3

      paneer

         Masala paneer

         Khoya paneer

**Q-6 What is  the 'class' attributes in HTML? With Example.**

**Ans**.

The class attribute specifies one or more class names for an element in HTML. The class attribute is mostly used to point to a class in a style sheet.

However, it can also be used to by a JavaScript to make changes to HTML elements with a specified class.

**Ex..**

<div class="one"></div>

          <div class="one"></div>

**Q-7 What is the difference between the 'id' attribute and the 'class' attribute of HTML elements? With Example.**

**Ans**.

**Difference between the ‘id’ attribute and the “class” attribute of HTML elements:**

The only difference between them is that “id” is unique in a page and can only apply to at most one element, while “class” selector can apply to multiple elements.

**Ex..**

      <body>

          <div>

              <div class="one" id="two1"></div>

              <div class="one" id="two2"></div>

          </div>

      </body>

      </html>

**Q-8 What are the various formatting tags in HTML?**

**Ans.**

**The various formatting tags are as under:**

     <i>,<b>,<sup>,<sub>,<del>,<mark> etc..

**Q-9 How is Cell Padding different from Cell Spacing? With Example.**

**Ans**.

Cell spacing is used to set extra space which is used to separate cell walls from their contents. But in contrast, cell spacing is used to set space between two or more cells in an HTML table.

**Ex..**

            <table border="1" cellspacing="1" cellpadding="5">

               <tr>

                <td>1</td>

                <td>2</td>

              </tr>

           </table>

**Q-10 How can we club two or more rows or columns into a single row or column in an HTML table? With Example.**

**Ans.**

The rowspan is used to merge or combine the number of cells in a row whereas the colspan is used to merge column cells in a table.

  Ex..

        <table>

           <tr>

              <td colspan="3">1</td>

              <td>2</td>

              <td>3</td>

           </tr>

        </table>

        <table>

           <tr>

              <td rowspan="3">1</td>

              <td>2</td>

              <td>3</td>

           </tr>

        </table>

**Q-11 What is the difference between a block-level element and an inline element?**

**Ans.**

An element starts with a new line and takes up the full width available; it is called block-level elements. An element never starts a  new line and it takes up as much width as necessary; it is called inline elements.

**Q-12 How to create a Hyperlink in HTML? With Example.**

**Ans.**

Hyperlink can be presented in different forms,like an image,icon,text,or any type of visible element that,when clicked,redirects the specified url.

**Ex..**

        <a href="https://www.google.com">Visit Google Website</a>

**Q-13 What is the use of an iframe tag? With Example.**

**Ans.**

Iframe is HTML elements that loads another HTML page within the document.Iframe puts another webpage within the parent page.They are commonly used for ad,embedded videos,web analytics and interactive content.

**Ex..**

             <iframe

              width="560"

              height="315"

              src="https://www.youtube.com/embed/gFmnzTIaGDo"

              title="YouTube video player"

              frameborder="0"

              allow="accelerometer; autoplay; clipboard-write; encrypted-media; gyroscope; picture-in-picture; web-share"

              allowfullscreen

              ></iframe>

**Q-14 What is the use of a span tag? Explain with Example?**

**Ans.**

The span tag is an inline container used to mark up a part of a text,or a part of a document.

     Ex..

         <p>This is our<span style="color:green">main</span>document.</p>

**Q-15 How to insert a picture into a background image of a web page? With Example.**

**Ans.**

We can use the Css background image property to insert a picture into a background image of a web page.

     Ex..

         <style>

             div{

             background image:url(/image.jpeg);

             }

         </style>

**Q-16 How are active links different from normal links?**

**Ans.**

A normal link is just a line of code that contains a pointer to another resource. an active link is that line of code in action,opening that other resource.

**Q-17 What are the different tags to separate sections of text?**

**Ans.**

The <br> tag is one way to separate the lines of text.There are other tags like the <p> tag and <blockquote> tag that are also used to separate sections of text.

**Q-18 What is SVG?**

**Ans.**

SVG stands for Scalable Vector Graphics.SVG is used to define graphics for the web.

**Q-19 What is the difference between HTML and XHTML?**

**Ans.**

HTML stands for HyperText Markup Language.HTML is in document file format.

  HTML is text or HTml type.All tags need not be close in the order of opening.

      XHTML stands for Extensible HyperText Markup Language.It has Markup language  as the file format.It is a type of XHTML+XML.All tags are compulsorily closed in an XHTML.

**Q-20 What are the logical and physical tags in HTML?**

**Ans.**

Logical tags are used to tell the meaning of the enclosed text .

     Ex..The logical tag is <strong></strong> tag.When we  enclose the text in the strong ,

       it  tells the browser that enclosed  text is more important than other text.

     Physical tags are used to tell the browser how to display the text enclosed in the physical tag.

     Ex..<b>,<i>,<big> etc.

**Q-21 Create below example using only HTML tags without CSS.**

**Ans.**

<!DOCTYPE html>

<html lang="en">

  <head>

    <meta charset="UTF-8" />

    <meta http-equiv="X-UA-Compatible" content="IE=edge" />

    <meta name="viewport" content="width=device-width, initial-scale=1.0" />

    <title>Document</title>

  </head>

  <body>

    <table

      border="1"

      cellspacing="0"

      cellpadding="1"

      style="text-align: centre"

      width=”100%”

    >

      <tr>

        <td width="150px"><a href="">Home</a></td>

        <td width="150px"><a href="">about</a></td>

        <td width="150px"><a href="">contact</a></td>

        <td width="150px"><a href="">help</a></td>

        <td width="150px"><a href="">store</a></td>

        <td width="200px" bgcolor="red">

          <a href=""

            >download

            <hr />

            app</a

          >

        </td>

      </tr>

      <tr>

        <td colspan="6">

          <img

            src="/doorimage.jpg"

            alt=""

            srcset=""

            height="350px"

            width="100%"

          />

        </td>

      </tr>

      <tr>

        <td colspan="6" bgcolor="fusia">contact-us-page</td>

      </tr>

      <tr>

        <td colspan="6">

          <img

            src="https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcS2mCW0LXJ0aRI4kU5evfpIhieUpSXA4fDhN1EFtwsLag&usqp=CAU&ec=48665701"

            alt=""

            srcset=""

            width="100%"

            height="150px"

          />

        </td>

      </tr>

      <tr>

        <td colspan="3" bgcolor="skyblue">

          <label for="">first-name</label>

          <input type="text" value="Enter your name" />

        </td>

        <td colspan="3" bgcolor="skyblue">

          <label for="">last-name</label>

          <input type="text" value="Enter your name" />

        </td>

      </tr>

      <tr>

        <td colspan="3" bgcolor="skyblue">

          <label for="">Email-id</label>

          <input type="text" value="Enter email id" />

        </td>

        <td colspan="3" bgcolor="skyblue">

          <label for="">Phone-no</label>

          <input type="text" value="Enter your phone no." />

        </td>

      </tr>

      <tr>

        <td colspan="3" bgcolor="skyblue">

          <label for="">city</label>

          <select name="" id="" value="">

            <option value="">Ahmedabad</option>

          </select>

        </td>

        <td colspan="3" bgcolor="skyblue">

          <label for="">Gender</label>

          <label for="">MALE</label>

          <input type="radio" name="zxc" id="MALE" />

          <label for="">FEMALE</label>

          <input type="radio" name="zxc" id="FEMALE" />

          <label for="">OTHERS</label>

          <input type="radio" name="zxc" id="OTHRES" />

        </td>

      </tr>

      <tr>

        <td colspan="3">

          <iframe

            src="https://www.google.com/maps/embed?pb=!1m18!1m12!1m3!1d117499.85910950652!2d72.48872686349969!3d23.028523037754987!2m3!1f0!2f0!3f0!3m2!1i1024!2i768!4f13.1!3m3!1m2!1s0x395e85c2fc005927%3A0x918e69150ca1c935!2sTOPS%20Technologies!5e0!3m2!1sen!2sin!4v1686042762346!5m2!1sen!2sin"

            width="100%"

            height="450"

            style="border: 0"

            allowfullscreen=""

            loading="lazy"

            referrerpolicy="no-referrer-when-downgrade"

          ></iframe>

        </td>

        <td colspan="3">

          <iframe

            width="100%"

            height="450"

            src="https://www.youtube.com/embed/Y9pgsPW-KIE"

            title="YouTube video player"

            frameborder="0"

            allow="accelerometer; autoplay; clipboard-write; encrypted-media; gyroscope; picture-in-picture; web-share"

            allowfullscreen

          ></iframe>

        </td>

      </tr>

    </table>

  </body>

</html>

**OUTPUT:**

