

COMPUTER APPLICATIONS

11. HTML - Formatting text, Creating Tables, List and Links

SECTION-B

Answer to the following questions (2 Marks):

1. Write a short note on (i) **** (ii) ****

**** Important text

The **** tag is a **phrase** tag. It is used to define **important** text. This tag displays the text as bold.

**** - Emphasized text

The **** tag is used to emphasize the text, the text will be in italics.

2. What is the use of **<mark>** tag?

Highlighting is an important formatting feature is used to call attention to the reader.

The **<mark>** tag is used to highlight the text in HTML. This is also a container tag.

3. Write the following equation as HTML notation: $Pd = 25 - Q2$

```
<Html> <head> <title>html notation</title> </head>
<body> Pd = 25 - Q2 </body>
</html>
```

4. Write about any two attributes of font tag.

- There are three main Attributes for Font tag
- The **face** is an attribute to set different font style. The name of a font has **multiple** words it should be specified within double quote.
- The **size** attribute is used to set size of the text. The size can have an absolute value from 1 to 7. These predefined sizes are known as **virtual** size. Each virtual size is successively **20%** larger than the previous one.
- The **color** attribute is used to set the color to the text.

Note: The **** tag is not supported by **HTML5**.

5. What is thematic break?(Book inside 5 Mark)

The **<hr>** (Horizontal Rules) tag, which is known as “**Thematic Breaks**” separate sections of an HTML document visually.

It produces a horizontal line spread across the width of the browser. This is an **empty** tag

6. What is pixel?

A **pixel** is one of the **tiny** dots that make up the display on computer. **72 pixels** equal to an inch. Pixel is usually referred as points.

For example: The code **<hr size = 72>** display a horizontal line with 1 inch thickness. The default size is **3** pixels.

7. What are the types of list in HTML?

HTML supports three types of lists viz. numbered, unnumbered and definition. These lists are called as Ordered List, Unordered List and Definition List respectively.

8. How will you define numbered list?

Numbered List / Ordered List

- Numbered list is created within the tag pair ** ** tag.
- The tag **** is used to present the list item in the list.
- Ordered list displays items in a numerical or alphabetical order.
- Both **** and **** tags are container tags. closing tag **** never be used.

Attributes of Ordered List:

There are two attributes can be used to customize ordered list, they are

(1) **Type - changing numbering style**

(2) **Start - changing numbering order.**

Type – is used to change the number style. The default number style is standard Arabic numerals (1,2,3,.....).

SECTION-C

Answer to the following questions (3 Marks):

1. Write an HTML code to display the following text in exactly the same way as given below.

```
<html><head><title> Html</title></head>
```

```
<body>
```

I am studying Computer Science Application.

```
</body></html>
```

2. Briefly explain the attributes of <hr> tag.

Attributes of <hr> tag (ANY 3)

The **<hr>** tag having four attributes viz. **size**, **width**, **noshade** and **color**. These attributes are used to set size, width, 3D appearance and color to the horizontal line respectively.

Size: Thickness of the horizontal line can be changed with size attribute.

The **size** is given in terms of pixels. The default size is **3** pixels.

Width: The width attribute specifies the horizontal width of the rule line.

The default rule is drawn across the full width of the browser.

The value of the width attribute may be the exact width of the rule in **pixel** or a certain percentage.

the value of the width is specified as percentage. **100%** is the default width.

For example:

<hr width = 50%> display an half of a horizontal rule line on the browser window.

Noshade: The default view of a horizontal rule line is 3D. So, no need to specify the term “noshade” as an attribute with <hr> tag. If you specify the attribute “noshade” turn off 3D view, turns on 2D view. Noshade is a **Boolean type** attribute.

Color: The horizontal line is displayed in **gray** color by default. The color attribute is used to change is default color to desired color.

The general syntax of **<hr>** tag with attributes:

<hr size=value width=value noshade, color=color_name/code>

Note: All attributes of <hr> tag is not supported by HTML5

3. What are the core tags used to create table in HTML?

There are five core tags are used to create a table in HTML. They are,

<table> tag is used to create a table.

<tr> tag defines table rows

<th> tag defined table columns

<td> tag is used to specify the data in a cell

<caption> tag defines title for the table

4. Write an HTML code to provide hyperlink to https://www.w3schools.com

```
<html><head><title> hyperlink </title></head>
```

```
<body>
```

```
<a href= “https://www.w3schools.com/index.html” > w3schools</a>
```

```
</body></html>
```

5. Difference between and tags.

 tag	 tags
Ordered list displays items in a numerical or alphabetical order.	Ordered list displays items in a special bullet symbol
Unordered lists are often referred as numbered lists	Unordered lists are often referred as bulleted lists
To list item in using 	To list item in using

6. Write HTML code to produce the following table:

```
<table border=1 cellpadding=0 cellspacing=12>
```

```
<tr VAlign =top>
```

```
<td rowspan=2>A</td><td> B</td>
</tr>
<tr><td> C</td>
</tr>
</table>
```

SECTION-D

Answer to the following questions (5 Marks):

1. Write an HTML code the show the following text:

Program:

```
<html><head><title>table program</title></head>
<boby>
<center>MODERN ATOMIC THEORY</center>
<b>The findings of modern atomic theory are given as follows:</b>
<ul >
<li>An atom is the smallest particle which takes part in chemical reaction.
<li>An atom is considered to be a divisible particle.
<li>The atoms of the same element may not be similar in all respects.
<dl>
<dd>eg: Isotopes (<sub>17</sub>Cl<sup>35</sup>, <sub>17</sub>Cl<sup>37</sup>)
</dl> </ul>
<ul>
<li>The atoms of different elements may be similar in some respects.
<dl>
<dd>eg. Isobars (<sub>18</sub>Ar<sup>40</sup>, <sub>20</sub>Ca<sup>40</sup>)
</dl></ul>
</body>
</html>
```

2. Explain the attributes used with <table> tag in HTML.

Attributes of table (Any 3)

The <table> is a container tag. There are several attributes to improve the layout of the table. They are listed below:

1. Cellspacing: It is used to set the space between cells in a table. The value should be in pixels

2. Cellpadding: It is used to set the space between the contents of a cell and its border. the value should be in pixels.

3. Border: Border attribute with <table> tag is used to specify the thickness of the border lines around the table.

The value of the border attribute should be a non zero value in pixels. (displays the table without border). The default value is Zero in most the browsers.

4. Bordercolor: It is used to apply the colour to the border lines.

5. Align: It is used to set the position of the table within the browser window. **Left** is the default position. **Right** or **center** may be the value of align attribute.

6. BGcolor: It is used to apply background colour to the table.

7. Height and Width:

These two attributes are used to specify the height and width of a table in terms of **pixels** or **percentage**.

3. Explain the types of list with suitable HTML code.

HTML supports three types of lists viz. numbered, unnumbered and definition. These lists are called as Ordered List, Unordered List and Definition List respectively.

Numbered List / Ordered List

- Numbered list is created within the tag pair ** ** tag.
- The tag **** is used to present the list item in the list.
- Ordered list displays items in a numerical or alphabetical order.

- Both **** and **** tags are container tags. closing tag **** never be used.

Attributes of Ordered List:

There are two attributes can be used to customize ordered list, they are

(1) Type - changing numbering style

Type value	Numbering style
1	Standard Arabic Numerals 1,2,3,4,.....
a	Lowercase letters a, b, c, d,
A	Uppercase letter A, B, C, D
i	Lowercase Roman numerals i, ii, iii, iv, v
I	Uppercase Roman numerals I, II, III, IV, V

(2) Start -

changing numbering order.

Type – is used to change the **number** style. The default number style is standard **Arabic numerals** (1,2,3,.....).

Start – is used to specify the number of letter with which start the list. The default starting point is 1.

Un-numbered List / Unordered List

- Unordered lists are often referred as **bulleted** lists. Instead of numbers,
- each element in the list has prefixed with a special bullet symbol. Using **** tag
- Unordered list is surrounded within **** **** tags

Attribute of Unordered List:

type attribute is used to customize bullet style for the list of elements. By default, a solid circle is used as bullets.

Type value	Numbering style
Disc	• A solid circle
Square	◻ A solid square
Circle	○ An unfilled circle

Definition List

- Definition list is different from other two types of list. No bullet or number is provided for the list items.
- The list element has two parts.
 - (1) A definition term
 - (2) The definition description
- Definition list is surrounded within **<DL>**.....**</DL>** tags.
- Definition term is presented in between **<DT>**.....**</DT>** tag and
- Definition description should be surrounded within **<DD>**.....**</DD>** tag.

Example:

```
<html> <head> <title> list in Html</title></head>
```

```
<body>
```

```
<ol type=A>
```

```
<li> hardware
```

```
<li> software
```

```
</ul>
```

```
<ul type= square>
```

```
<li> network
```

```
<li> mail
```

```
</ul>
```

```
<dl>
```

```
<dt> HTML
```

```
<dd> Hypertext markup Lanaguage
```

</dl>
</body></html>

4. What is Link and explain the types of links.

- Link is an important feature of HTML to connect web resources.
- **Link** in HTML is used to create **hyperlinks** to web content.
- Web content may be an HTML document(**internal**) or an **external** webpage or any multimedia content such as an image, video, audio, animation etc., or even a part of the current document.

There are **two** important things needs to create a link in HTML,

- (1) The name of the **file** or **URL** to which you want to link
- (2) The text that will serve as the **clickable** link.

The anchor tag <A> is used to create links along with **HREF** attribute. **HREF** is abbreviated as "**Hypertext Reference**".

Structure of an anchor tag with href:

 Text – **Clickable link**

Example: **SCERT**

5. Write HTML code to create the following table:

```
</table>
<table border=1 cellspacing=0 cellpadding=16>
<tr>
<td rowspan=3 VAlign=top>A</td>
<th colspan=4>B</th>
</tr>
<tr>
<td>C</td>
<td>D</td>
<td>E</td>
<td rowspan=2 VAlign=top>G</td>
</tr>
<tr>
<th colspan=3>F</th>
</table>
```

Book Question

Define Tables in HTML

- Table is grid of rows and columns.
- The **tables** were officially **introduced** with **HTML 3.2**.
- Tables are useful for the general display of **tabular** data.
- Representing table in HTML is **heavy** on tags.

What other Tags used to create table elements

Apart from these five core tags, **<tbody>**, **<thead>** and **<tfoot>** tags are also used to define and control whole sections of table.

All the above tags are container tags.

What are the Attributes of <TD>, <TH> and <TR> tags:

- 1. Align** Used to specify the horizontal alignment of content within a cell. **Left** is the default alignment. Possible values are **Right** and **Center**.
- 2. VAlign** Used to specify the vertical alignment of the contents within a cell. **Bottom** is the default alignment. Possible values are **Top** and **Middle**
- 3. Width** Used to specify the width of a cell in terms of pixels or percentage.
- 4. Bgcolor and Background**
 - **Bgcolor** attribute is used to apply a particular colour to the background of a cell.
 - **Background** attribute is used to apply an image or picture as background of a cell.
- 5. Rowspan and Colspan**

- **Rowspan** attribute is used to merge two or more cells in a row as a single cell.
- **Colspan** attribute is used to merge two or more cells in a column as a single cell.

How to format the text in html

- Format the text such making bold, italic, underline, changing font style, font size, font color and more.
- Formatting text is very important as well as interesting task in creating web pages. Formatting is purely based on your imagination and creativity.

Define Nested Lists:

A list block can be defined inside another list is called as nested list.

What are the Comparison of tags:

Tag	Usage	Tag	Usage	Final Output
	To show the text in bold		To show important text	Bold
<i>	To show the text as italics		To Call attention	Italics
<u>	To show the text as underlined	<ins>	To insert a text	Underline
<s>	To show the wrong text		To replaced or deleted text	Strike through

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TAG	NAME	DESCRIPTION	EXAMPLE	PROGRAM
 	Important text	The tag is a phrase tag It is used to define important text.	Welcome to Tamilnadu	 Welcome to Tamilnadu
 	Emphasized text	Tag is used to emphasize the text.	<i>Welcome to Tamilnadu</i>	 Welcome to Tamilnadu
<big> </big>	BIG	Tag is used to define the text bigger in size than the normal size. It is often used to call attention a text	Computer Computer (normal text)	<big> Computer </big>
<small> </small>	Small	Tag is used to define the text smaller than the current size.	Computer (normal text) Computer	<small> Computer</small>
	Subscript	A Subscript is a way to display a character or a number below the normal line of type.	H ₂ O	H₂ <Sup> Superscript
	Superscript	A Superscript is also a way to show a character or a number above the normal line of type.	(a+b) ²	(a+b)²
 or <s> </s>	Deleting Or Strike through	Text will be displayed as strike through	Computer	<s> Computer</s> Computer
<ins> </ins>	Inserting	Text will be shown as underlined	<u>Computer</u>	<ins> Computer</ins>
<Center> </center>	Center	The tag is used to centralize a segment of text.	Thiruvallur	<center> Thiruvallur </center>