Chapter 17:

Web Designing

One mark questions:

1. Who introduced HTML?

    Tim Berner's – Lee introduced HTML.
2. Expand HTML.

    HTML stands for Hyper Text Markup Language.
3. What is the purpose of HTML language?

    The purpose of HTML language is to create webpages.
4. Give any one property of body tag.

    bgcolor (background color) is one of the property of body tag.
5. Write any one attribute of table tag.

    Width, border are the attributes of table tag.
6. What is meant by colspan?

    colspan means the number of columns a cell should span.
7. What is web hosting?

    Web hosting is an online service that enables you to publish your website or web application on the Internet
8. What is XML?

    XML stands for eXtensible Markup Language. **XML** is a markup language much like HTML. **XML** was designed to store and transport data.
9. Give examples for web browser.

    Chrome, firefox ,opera are the web browsers.
10. What is meant by DHTML?

    Dynamic Hyper Text Markup language
11. What is web scripting?

    Web scripting is used to create dynamic web pages
12. What is the extension of hyper text markup language file?

    .html is the extension of hyper text markup language.
13. Which tag is used to include images on web page?

    <imgsrc=”pathname/”> is used to include images on web page.
14. Mention any one scripting language.

    Java scripts, ASP are the scripting language.

Three marks questions:

1. Write a note on HTML.

    HTML stands for Hyper Text Markup Language. Tim Berner's – Lee introduced HTML.The purpose of HTML language is to create webpages. HTML is a language

which has commands that is called tag. Commands are written using greater than and lesser than symbol is known as tag.
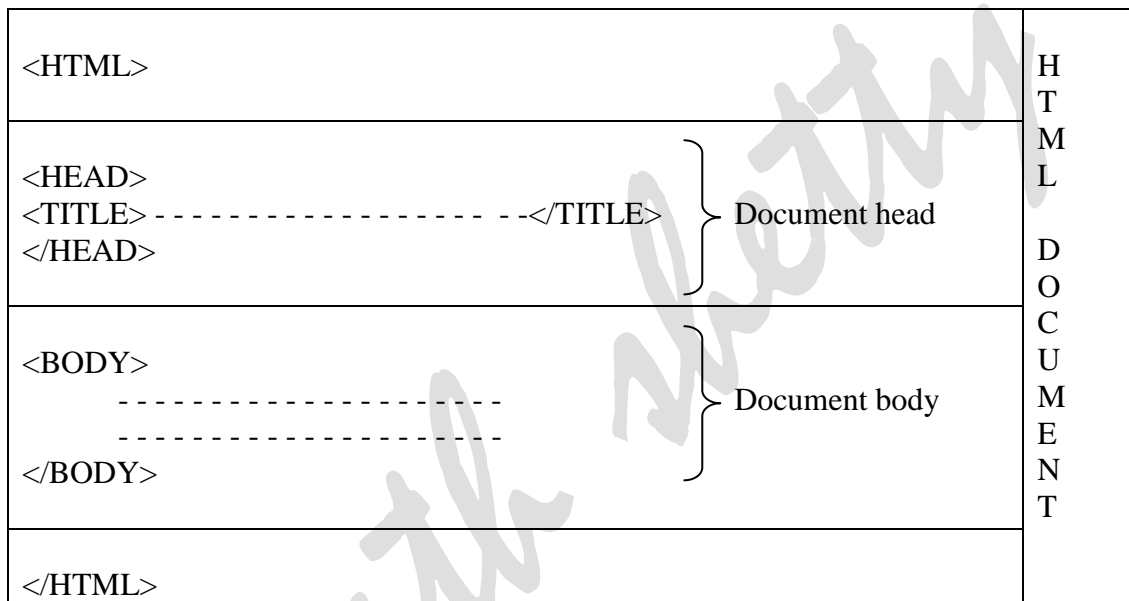
Every HTML document starts with a HTML tag i.e., <HTML> - start up tag and </HTML> - ending tag.

Title tag: It is used to give a title to a webpage.

Head tag: It is a heading tag used to give a heading in a document.

Body tag: It contains all the information to be displayed in a webpage.

2. Explain the structure of HTML.

<HTML>	H T M L
<HEAD> <TITLE>- - - - - - - - - - - - - - - - - - - -</TITLE> } Document head </HEAD>	D O C U M E N T

<BODY>
    - - - - - - - - - - - - - - - - - - -
    - - - - - - - - - - - - - - - - - - - } Document body
</BODY>	

</HTML>	

3. With example explain how to add table in web page.

The <table> tag defines an HTML table.

Each table row is defined with a <tr> tag. Each table header is defined with a <th> tag. Each table data/cell is defined with a <td> tag.

Example

A simple HTML table:

```
<table  border=1>
 <tr>
   <th>Firstname</th>
   <th>Lastname</th>
   <th>Age</th>
 </tr>
 <tr>
   <td>Jill</td>
   <td>Smith</td>
   <td>50</td>
```

```
            </tr>
            <tr>
             <td>Eve</td>
             <td>Jackson</td>
             <td>94</td>
            </tr>
           </table>
```

4. Explain any three formatting tags.

The three formatting tags are:

1) <B> - It applies the bold effect.

   Eg: **Computer Science**

2) <I> - It applies italics effect.

   Eg: *Computer Science*

3) <U> - It underlines the enclosed text.

4) Eg: <u>Computer Science</u>

5. Explain the fields that can be added to a form.

The HTML <form> element is used to create an HTML form for user input

The <form> element is a container for different types of input elements, such as: text fields, checkboxes, radio buttons, submit buttons, etc.

1. INPUT Element

The HTML <input> element is the most used form element.

An <input> element can be displayed in many ways, depending on the type attribute.

Here are some examples:

Type   Description

<input type="text">   Displays a single-line text input field

<input type="radio"> Displays a radio button (for selecting one of many choices)

<input type="checkbox">   Displays a checkbox (for selecting zero or more of many choices)

<input type="submit">   Displays a submit button (for submitting the form)

<input type="button">   Displays a clickable button

2. Radio Buttons

The <input type="radio"> defines a radio button.

Radio buttons let a user select ONE of a limited number of choices.

Example:
```
<input type="radio" id="male" name="gender" value="male">
 <label for="male">Male</label><br>
 <input type="radio" id="female" name="gender" value="female">
 <label for="female">Female</label><br>
 <input type="radio" id="other" name="gender" value="other">
 <label for="other">Other</label>
```

This is how the HTML code above will be displayed in a browser:

○ Male

○ Female

○ Other

Any one of the above option can be selected by the user.

3. Checkboxes

The `<input type="checkbox">` defines a **checkbox**.

Checkboxes let a user select ZERO or MORE options of a limited number of choices.

```
<input type="checkbox" id="vehicle1" name="vehicle1" value="Bike">
 <label for="vehicle1"> I have a bike</label><br>
 <input type="checkbox" id="vehicle2" name="vehicle2" value="Car">
 <label for="vehicle2"> I have a car</label><br>
 <input type="checkbox" id="vehicle3" name="vehicle3" value="Boat">
 <label for="vehicle3"> I have a boat</label>
```

This is how the HTML code above will be displayed in a browser:

☐ I have a bike

☐ I have a car

☐ I have a boat

4. The Submit Button

The `<input type="submit">` defines a button for submitting the form data to a form-handler.

The form-handler is typically a file on the server with a script for processing input data.

The form-handler is specified in the form's action attribute.
```
<form action="/action_page.php">
 <label for="fname">First name:</label><br>
 <input type="text" id="fname" name="fname" value="John"><br>
 <label for="lname">Last name:</label><br>
 <input type="text" id="lname" name="lname" value="Doe"><br><br>
```

```
  <input type="submit" value="Submit">
</form>
```

This is how the HTML code above will be displayed in a browser:
First name:

| sharath |

Last name:

| shetty |

| Submit |

6. Create a webpage using table.
```
<html>
<body>
<br>
<br>
<br>
<br>
<br>
        <center>
            <h2>II PUC PREPARATORY TIME TABLE </h2>
            <table border=5 bgcolor="cornsilk" cellspacing=10 cellpadding=10>
            <tr>
                    <th> Date</th>
                    <th> Day</th>
                    <th> Subject </th>
            </tr>
            <tr>
                    <td> 12-11-2017 </td>
                    <td> Monday </td>
                    <td> Accounts </td>
            </tr>
            <tr>
                    <td> 13-11-2017 </td>
                    <td> Tuesday </td>
                    <td> Computer Science </td>
            </tr>
            <tr>
                    <td> 14-11-2017 </td>
```

```
                                <td> Wednesday </td>
                                <td> English </td>
                        </tr>
                        <tr>
                                <td> 15-11-2017 </td>
                                <td>Thursday </td>
                                <td> Business Studies </td>
                        </tr>
                        <tr>
                                <td> 16-11-2017 </td>
                                <td> Friday </td>
                                <td> Economics </td>
                        </tr>
                        <tr>
                                <td> 17-11-2017 </td>
                                <td> Saturday </td>
                                <td> Hindi </td>
                        </tr>
                        </table>
                </center>
        </body>
        </html>

7.  Create a webpage using forms.
        <html>
        <body>
                <form method="post" action="file.htm">
                <center>
                <h2> Student Details </h2>
                </center>
                <table cellspacing=15 cellpadding=5>
                <tr>
                        <td align="left"> Student Name   : </td>
                        <td><input type="text"></td>
                </tr>
                <tr>
                        <td align="left"> Father's Name  :</td>
                        <td><input type="text"></td>
                </tr>
                <tr>
                        <td align="left"> Mother's Name : </td>
                        <td><input type="text"></td>
                <tr>
                        <td align="left"> Student Address  :</td>
```

```
                       <td><Textarea rows=2 cols=15 name="description"></Textarea>
            </tr>
            <tr>
                       <td align="left"> Mobile Number  :</td>
                       <td><input type="text"></td>
            </tr>
            <tr>
                       <td align="right"><input type="SUBMIT" value="submit"></td>
                       <td align="left"><input type="RESET" ></td>
            </tr>
            </table>
            </form>
    </body>
    </html>
```

****
****

Assignment:

1. Create a model webpage with image tag.
2. Create a website with minimum 5 web pages.
3. Create an application form using tables and form.