• **MCQ’s**

1. `<TR>` belongs to Frameset tag.
   (a)<Table>  (b)<DIV>  (c)<Frameset> (d)<TD>
   Ans:- A

2. ____ tag is used to add columns to a table
   (a) definition list  (b) definition list term  (c) definition list description  (d) none of the above
   Ans:- D

3. Which attribute issued to define cell contents to left?
   (a)VAlign  (b)Align  (c)GAlign  (d)HAlign
   Ans:- B

4. Tag to add a row to a table.
   (a)TR  (b)TD  (c)TH  (d)TC
   Ans:- A

5. Which of the following is used to specify the beginning of a table’s row?
   (a) TROW  (b)TABLER  (c)TR  (d)ROW
   Ans:- C

6. In order to add border to a table, BORDER tag is specified in which tag
   (a) THEAD  (b)TBORDER  (c)TABLE  (d)TR
   Ans:- C

7. Which of these tags are called table tags?
   (a)<Thead><body><tr> (b)<Table><tr><td> (c)<Table><head><tfoot> (d)<Table><tr><tt>
   Ans:- B

8. __________ tag is used to define the heading of a table
   (a) TABLE  (b)COLUMN  (c)HEADING  (d)TITLE
   Ans:- C

9. Which HTML command is used to align the contents of the cell to right.
   (a)<TR align= right->  (b)<TD align=right>  (c)<TD align=right>  (d) All of the above
   Ans:- B

10. Which of the following statements is incorrect:
    (a)<frame rows =“20%,80%”>  (b)<frame cols= “40%,60%”>  (c)<frame rows =“60%,60%”>
    (d)<frame rows =“60%,40%”>
    Ans:- C

• **Answer the following questions:**

1. What attribute will be used on the CAPTION tag to put the table description at the bottom of the table?
   Ans:- Align=Bottom attribute will be used on the CAPTION tag to put the table description at the bottom of the table.

2. Write the code to display a ‘ghost cell’.
   Ans:-
   ```html
   <table border="2">
   <tr>
   <td> col1Row1</td>
   <td> col2Row1</td>
   </tr>
   <tr>
   <td> col1Row2</td>
   </tr>
   </table>
   ```
3. Name the tag that defines how to divide the window into frames.
   Ans: - `<FRAMESET>` tag that defines how to divide the window into frames.

4. Name the tag that is used to put HTML document into frames.
   Ans: - `<IFRAME>` tag that is used to put HTML document into frames.

5. Where the text is displayed which is specified in the `<caption>` tag?
   Ans: - The text is displayed which is specified in the `<caption>` tag displayed at center with respect to the Table.

6. Which attribute will you use if you do not want frame windows to be resizable?
   Ans: - No resize attribute will you use if you do not want frame windows to be resizable.

7. Differentiate between `<TH>` and `<Caption>` tags.
   Ans: - `<Th>` tags encloses the header object and makes the data bold face and center aligned while `<caption>` tag is used to provide a text to the table so as to explain the contents of the table. It is generally in bold, at center with respect to the table.

8. How `<TD>` and `<TR>` are different from each other?
   Ans: - TR tag is used to define rows in a table. Table rows are divided into table data with the `<td>` tag. The TD keeps the data in regular font & left align by default.

9. What is the purpose of using Frames in HTML pages?
   Ans: - A frame divides the screen into separate windows with both vertical & horizontal scroll bars. Frames are needed when you want to have menus on one side and the contents or the operations on the other side when the user clicks on one of the menu items, the contents become visible on the other side. A frame divides the WebPages into different windows. It makes some structural changes to the main window.

10. Discuss all the tags with their attributes to create a frame.
    Ans: - The attribute used with the `<frameset>` elements:
            (a) Rows: It accepts no. in percentage or star (*) indicating the rest of the window. It divides the main window horizontally in proportion to main window.
            (b) Columns: It accepts no. in percentage or star (*) indicating the rest of the window. It divides the main window vertically in proportion to main window.
            (c) Frame Border: it accepts the value in no. It is used with Netscape navigator to surround the sub window with a border. If value is set to zero, no outer line appears around the frame.
            (d) Frame Spacing: It accepts value in no. If set to zero, it removes the ugly grey lines appearing between two frames, otherwise it increases the width of the grey line.

Frameset element work in conjunction with the frame tag whose attribute are
   1. src: It is necessary attribute which describes address of the HTML document.
   2. Scrolling: It accept value in Yes/Auto/No
   3. Noresize: It is used if we do not want frame window to be resizable.
   4. Name: Assign Name of the frame.
   5. Target: This attributes specifies the name of a frame where a document is to be opened.

11. What does ‘n’ stands for in the following tags?
   (a) `<Tableborder=n>`  (b)`<table bgcolor="n">` (c)`<td bgcolor="n">`  (d)`<td width=n>(e)`<a href= “n”>
    Ans: - (a)`<Table border=n>`: Here n is any numerical value 1, 2, 3 etc. which specifies table border boldness.
            (b)`<table bgcolor="n">`: Here n stand for any color name/hex color code/rgb code which provide background color to table.
12. Which code snippet will display the following? Explain why

```
<table>
<thead>
<tr>
<th>MERGEDROW</th>
<th>R2</th>
<th>R3</th>
<th>R4</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
<td>2</td>
<td>3</td>
</tr>
</tbody>
</table>
```

**Option A**
```
<TABLE border=2>
  <TR>
    <TH>MERGEDROW</TH>
    <TH> </TH>
  </TR>
  <TR>
    <TD>R2</TD>
    <TD>1</TD>
  </TR>
  <TR>
    <TD>R3</TD>
    <TD>2</TD>
  </TR>
  <TR>
    <TD>R4</TD>
    <TD>3</TD>
  </TR>
</TABLE>
```

**Option B**
```
<TABLE border=2>
  <TR>
    <TH>MERGEDROW</TH>
    <TH>&nbsp</TH>
  </TR>
  <TR>
    <TD>R2</TD>
    <TD>1</TD>
  </TR>
  <TR>
    <TD>R3</TD>
    <TD>2</TD>
  </TR>
  <TR>
    <TD>R4</TD>
    <TD>3</TD>
  </TR>
</TABLE>
```

**Ans:** Option B is correct because it uses `&nbsp;` entity to create a space while Option Space is a ghost cell.
MCQ’S

(i) A .......... can be inserted in HTML document which can act as a container for all the input elements.
   (a) Text field  (b) text area  (c) Form  (d) Command Button
   **Ans:** Form.

(ii) .......... Method is used to sent form data as URL variables.
   (a) Get  (b) set  (c) Post  (d) None of these
   **Ans:** Get

(iii) .......... Method is used to sent form data as HTTP Post.
   (a) Get  (b) set  (c) Post  (d) None of these
   **Ans:** Post

(iv) What is the purpose of a web form
   (a) An outdated feature still used to help the page load faster
   (b) An useful way to send information from the user directly to the search engines
   (c) A way to input data into a website or an application
   (d) To enable the user to navigate the website with ease
   **Ans:** A way to input data into a website or an application

(v) Which element allows for the creation of groups of options in a select menu?
   (a) <select>  (b) <group>  (c) <option>  (d) <optgroup>
   **Ans:** <option>

(vi) Which of the option will be selected with the following code snippet?
    <select>
    <option selected value="Fiat">Fiat</option>
    <option value="selected">Saab</option>
    <option value="opel">selected</option>
    <option value="audi">Audi</option>
    </select>
   (a) Fiat  (b) Saab  (c) Selected  (d) Audi
   **Ans:** Fiat

Answer the following questions

(i) Why forms are used in WebPages?
   **Ans:** HTML forms are used to pass data to a server. A form can be inserted in HTML documents using the HTML form element which acts as a container for all the input elements. All the information collected by a form can be submitted to a processing agent (a file containing a script made to process this information) that’s usually specified in the “Action” attribute of the Form Tag.

(ii) Explain all the attributes of Form tag.
    **Ans:**
    **Method:** The Method attribute specifies how to send form data (the form data is sent to the page specified in the action attribute). The form data can be sent as URL variables (with method=”get”) or as HTTP post transaction (with method=”post”).
    **Action:** The Action attribute submit collected information to a processing agent (a file containing a script made to process this information).
(iii) Differentiate between Get & Post methods of Form Tag.

**Ans:**

**Get:** It appends form data into the URL in name/value pairs. The length of a URL is limited about 3000 characters. Useful for form submissions where a user wants to bookmark the result. It is better for non-secure data, like query strings in Google.

**Post:** It appends form data inside the body of the HTTP request (data is not shown in URL). It has no size limitations. Form submissions with Post cannot be bookmarked.

(iv) How text field and text area controls are different from each other?

**Ans:** Text accepts value in one line while Text area displays the entire content or user input.

(v) Explain the use of Radio buttons in HTML help of a suitable example.

**Ans:** Radio buttons allow selecting one of the two from lightning type i.e. either Tube light or Bulb. Similarly, the user can select any one of the three from lighting size i.e. Long, medium, and short. This is achieved by setting the same name. Here all light has the name Ltype while all light is name LSize. This is where comes handy, especially if the value has to later on.

(vi) Mention all the attributes of check box different from Radio button.

**Ans:** Attributes of checkboxes:

- **NAME:** It adds an internet name to the field so the program that handles the form can identify the fields.
- **VALUE:** It defines what will be submitted if checked.
- **ALIGN:** It defines how the form field will be aligned. Valid Entries are: TOP, MIDDLE, BOTTOM, RIGHT, LEFT, TEXTTOP, BASELINE, ABSMIDDLE, ABSBOTTOM.
- **TABINDEX:** It defines the order in which the different fields should be activated when the visitor clicks the tab key.

(vii) State the purpose of Submit and Reset buttons.

**Ans:** Submit buttons: When activated, a submit button submits a form. A form may contain more than one submit button.

Reset buttons: When activated, a reset button resets all controls to their initial values.

(viii) Which attribute are necessary to insert drop down list in a HTML page?

**Ans:** The attribute necessary to insert drop down list in a HTML page are:

- **Name:** It adds an internal name to the field so the program that handles the form can identify the field.
- **Size:** It defines the number of items to be visible when user clicks on the drop down box.
- **Multiple:** It allows for multiple selection.
- **Value:** It defines what will be submitted when an item is selected.

(ix) Sometimes it is better to use the text area element instead of an input element of type text. Write a short note to explain when and why.

**Ans:** It is better to use the text area element instead of an input element of type text because text area shows the content written whereas text field show only a part. Text area shows several text lines which can easily show your whole content. You also have full control over text area using wrap attribute while in text field it have single line. When you type more words then other words hide.