

MODULE WISE QUESTIONS & ANSWERS 2015-2016

INTERNET & WEB TECHNOLOGY, BRANCH: ME/CSE/ETC

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MODULE I

Short Questions

1. Define web browser. Give at least two examples of web browser.

Answer:

Web browsers are application software which is used to browse web pages. Example of web browsers are: Internet Explorer, Google Chrome, Mozilla Firefox etc.

2. Define web server. Give examples.

Answer:

Web servers are application software which is used to browse web pages. Example of web browsers are: Apache Tomcat, Web servers etc.

3. Define HTTP & WWW.

Answer:

HTTP: The Hypertext Transfer Protocol (HTTP) is an application protocol for distributed, collaborative, hypermedia information systems. HTTP is the foundation of data communication for the World Wide Web.

WWW: The World Wide Web (WWW) is an open source information space where documents and other web resources are identified by URLs, interlinked by hypertext links, and can be accessed via the Internet.

4. Write HTML code to scroll a text.

Answer:

```
<marquee> These text will be scrolled in a browser </marquee>
```

5. Name at least two protocols used by application layer.

Answer:

HTTP, FTP, SMTP, POP, MIME etc are the protocols of application layer.

6. Define hyperlink. Give its syntax.

Answer:

A hyperlink is a reference to data that the reader can directly follow either by clicking or by hovering. A hyperlink points to a whole document or to a specific element within a document. Hypertext is text with hyperlinks.

```
<a href=""target">.....</a>
```

7. List attributes of a <table tag>.

Answer:

Attributes of <table> tags are: cellpadding, cellspacing, border, bgcolor, background, height, width etc.

8. Define definition list in HTML. What is its use?

Answer:

Description list is used to display name/value pairs such as terms and their definitions, or times and events. A description list is a list of terms, with a description of each term. The <dl> tag defines the description list, the <dt> tag defines the term (name), and the <dd> tag describes each term:

```
<dl>
<dt>Coffee</dt>
<dd>- black hot drink</dd>
<dt>Milk</dt>
<dd>- white cold drink</dd>
</dl>
```

Output:

Coffee
- black hot drink
Milk
- white cold drink

9. What is the role of <frameset>.....</frameset> in HTML?

Answer:

The <frameset> tag defines a frameset. The <frameset> element holds one or more <frame> elements. Each <frame> element can hold a separate document. The <frameset> element specifies HOW MANY columns or rows there will be in the frameset, and HOW MUCH percentage/pixels of space will occupy each of them.

10. How image links are created in HTML?

Answer:

In HTML, images are defined with the tag. The tag is empty, it contains attributes only, and does not have a closing tag.

The src attribute specifies the URL (web address) of the image:

```

```

Long Questions

1. Write an HTML program to scroll the below text with a scroll delay 10. (Set the HTML page title as BPUT)
BIJU PATTNAIK UNIVERSITY OF TECHNOLOGY

Answer:

```
<html>
<head>
<title>BPUT</title>
</head>
<body>
<h1><marquee behavior=alternate scrollamount="10">
BIJU PATTNAIK UNIVERSITY OF TECHNOLOGY
</marquee></h1>
</body>
</html>
```

2. Write an HTML program to display following output:

SI	Roll	Name	Marks Obtained		
			C	JAVA	ITA
1	12ET01	Sachin	90	87	56
2	12ET07	Virat	89	78	99
3	12ET47	Yuvi	99	100	45

Answer:

```
<html>
<head>
<title>Result Sheet</title>
</head>
<body>
<table border=1>

<tr>
<th rowspan="2">SI</th>
<th rowspan="2">Roll</th>
<th colspan="3">Marks Obtained</th>
</tr>
```

```

<tr>
<th>C</th><th>JAVA</th><th>ITA</th>
</tr>
<tr>
<td>1</td>12ET01<td> </td><td> Sachin </td><td> 90</td><td> 87 </td><td> 56 </td>
</tr>

<tr>
<td>2</td>12ET07<td> </td><td> Virat </td><td> 89</td><td> 78 </td><td> 99 </td>
</tr>

<tr>
<td>3</td>12ET47<td> </td><td> Yuvi </td><td> 99</td><td>100 </td><td> 45 </td>
</tr>

</table>
</body>
</html>

```

3. Define list in HTML. Explain ordered list, unordered list and definition list in details with example.

Answer:

There are three list types in HTML:

(i) **unordered list:** used to group a set of related items, in no particular order. An unordered list starts with the **** tag. Each list item starts with the **** tag. The list items will be marked with bullets (small black circles)

```

<ul>
<li>Coffee</li>
<li>Tea</li>
<li>Milk</li>
</ul>

```

Output:

- Coffee
- Tea
- Milk

A style attribute can be added to an unordered list, to define the style of the marker:

Style	Description
list-style-type:disc	The list items will be marked with bullets (default)
list-style-type:circle	The list items will be marked with circles

list-style-type:square
list-style-type:none

The list items will be marked with squares
The list items will not be marked

(ii) ordered list: used to group a set of related items, in a specific order. An ordered list starts with the tag. Each list item starts with the tag.

The list items will be marked with numbers:

```
<ol>  
<li>Coffee</li>  
<li>Tea</li>  
<li>Milk</li>  
</ol>
```

Output:

1. Coffee
2. Tea
3. Milk

A type attribute can be added to an ordered list, to define the type of the marker:

Type	Description
type="1"	The list items will be numbered with numbers (default)
type="A"	The list items will be numbered with uppercase letters
type="a"	The list items will be numbered with lowercase letters
type="I"	The list items will be numbered with uppercase roman numbers
type="i"	The list items will be numbered with lowercase roman numbers

(iii) description list: used to display name/value pairs such as terms and their definitions, or times and events. A description list is a list of terms, with a description of each term.

The <dl> tag defines the description list, the <dt> tag defines the term (name), and the <dd> tag describes each term:

```
<dl>  
<dt>Coffee</dt>  
<dd>- black hot drink</dd>  
<dt>Milk</dt>  
<dd>- white cold drink</dd>  
</dl>
```

Output:

Coffee
- black hot drink

Milk

- white cold drink

4. Explain all attributes of <table> tag in HTML. Also explain rowspan and colspan of a table.

Answer:

The HTML tables allow us to arrange data like text, images, links, other tables, etc. into rows and columns of cells. The HTML tables are created using the <table> tag in which the <tr> tag is used to create table rows and <td> tag is used to create data cells. Attributes of a <table> tag are:

Bgcolor and Background

Border attribute is used to set the border of a table.

Cellpadding and Cellspacing

There are two attributes called cellpadding and cellspacing which you will use to adjust the white space in your table cells. The cellspacing attribute defines the width of the border, while cellpadding represents the distance between cell borders and the content within a cell.

Colspan and Rowspan Attributes

colspan attribute is used if we want to merge two or more columns into a single column. Similar way rowspan attribute is used if we want to merge two or more rows.

Bgcolor and Background

We can set table background using one of the following two ways:

- bgcolor attribute - We can set background color for whole table or just for one cell.
- background attribute - We can set background image for whole table or just for one cell.

Height and Width

We can set a table width and height using width and height attributes. We can specify table width or height in terms of pixels or in terms of percentage of available screen area.

Example:

```
<html>
<head>
<title>HTML Table </title>
```

```

</head>
<body>
<table border="1" bgcolor="Yellow" width="400" height="150" cellpadding="4"
cellspacing="4" >
<tr rowspan="2">
<td>BPUT</td>
<td colspan="2">SRINIX</td>
</tr>
<tr>
<td>CSE</td>
<td>ETC</td>
</tr>
</table>
</body>
</html>

```

Output:

BPUT	SRINIX
CSE	ETC

5. Write an HTML Program to produce following output:

- **Morning**
 1. **Tea**
 2. **Apple**
 3. **Maggi**
- **Night**
 - a. **Soup**
 - b. **Biryani**
 - c. **Icecream**

Answer:

```

<html>
<head>
<title>LIST</title>
</head>

```

```
<body>
<ul style="list-style-type:square">
<li>Morning<ol type="1"><li>Tea</li><li>Apple</li><li>Maggi</li></ol></li>
<li>Night<ol type="a"><li>Soup</li><li>Biryani</li><li>Ice cream</li></ol></li>
</ul>
</body>
</html>
```

6. Explain the use of following tags in HTML:

(i) <sub> **(ii) <dl>** **(iii) ** **(iv) <a>**

Answer:

(i) <sub> tag is used to convert a text into subscript in a document. For example:

```
H<sub>2</sub>O
```

will output the result: H₂O

(ii) The <dl> tag defines the description list, the <dt> tag defines the term (name), and the <dd> tag describes each term:

```
<dl>
<dt>Coffee</dt>
<dd>- black hot drink</dd>
<dt>Milk</dt>
<dd>- white cold drink</dd>
</dl>
```

Output:

```
Coffee
    - black hot drink
Milk
    - white cold drink
```

(iii) In HTML, images are defined with the tag. The tag is empty; it contains attributes only, and does not have a closing tag. The src attribute specifies the URL (web address) of the image:

(iv) The <a> tag defines a hyperlink, which is used to link from one page to another. The most important attribute of the <a> element is the href attribute, which indicates the link's destination. For example a link to BPUT Odisha can be written in HTML as:
Visit BPUT

7. Define frame in HTML. Write an HTML program to produce following frame structure.

Answer:

FRAME 1	
FRAME 2	FRAME 3

Answer:

HTML frames are used to divide browser window into multiple sections where each section can load a separate HTML document. A collection of frames in the browser window is known as a frameset. The window is divided into frames in a similar way the tables are organized: into rows and columns.

```
<html>
<head>
<title>HTML Frames</title>
</head>
<frameset rows="50%,50%">
  <frame name="FRAME1" src="frame1.html" />
</frameset cols="50%,50%">
  <frame name="FRAME2" src="frame2.html" />
  <frame name="FRAME3" src="frame3.html" />
</frameset>
</frameset>
</html>
```

8. Write HTML code to produce the below output:

Enter Your Name

Enter Your Mobile

Enter Your age

You are Interested for Course in

PHP HTML C JAVA Programming

Answer:

```
<html
<head>
<title>Application Form</title>
</head>
<body>
Enter Your Name: <input type="text"> <br>
Enter Your Mobile: <input type="text" ><br>
Enter Your age : <input type="text"><br>
You are Interested for Course in : <br>
  <input type="checkbox" > PHP
  <input type="checkbox" > HTML
  <input type="checkbox" > C
  <input type="checkbox" > JAVA Programming<br>
  <input type="submit" name="Submit" value="Submit Info" />
</body>
</html>
```
