CLASS: X SUB: CA

Section – A (All questions are compulsory)

1. Which attribute is used to give border to an image? Ans: border
2. Which tag is used to connect the web pages? Ans:<a>
3. An _____ link allows a link to another webpage or another website. Ans: External
4. _____ tag creates a bulleted list. Ans: <UL>
5. Noshade is an attribute of _____ tag. Ans: <HR>
6. ____ and _____ tags are break the line flow. Ans: <br> and < HR>
7. To start a list with number 3, we should write Ans: <OL start= "3">
8. Where do you place the <title> tag in a HTML? Ans: <HEAD>
9. HTML tags are enclosed within _____ brackets. Ans: Angular <>
10. A _____ is a code that is put into the HTML code of a web page to hide the text in a web page. Ans: Comment

Assertion and Reasoning questions

(a) Both Assertion (A) and Reason (R) are true and Reason (R) is a correct explanation of Assertion (A).
(b) Both Assertion (A) and Reason (R) are true but Reason (R) is not a correct explanation of Assertion (A).
(c) Assertion (A) is true and Reason (R) is false.
(d) Assertion (A) is false and Reason (R) is true.

11. Assertion(A): An external stylesheet is a standalone .**css** file that is linked to a web page. we just haveto change the css file then all the design and formatting of html page is changed.
Reason(R):An inline style is used to apply a unique style for a single element.
Ans: B
12. Assertion (A):The title specified inside <TITLE> tag appears on the browser's title bar.
Reason (R): the <TITLE> tag is entered between the opening and closing <HEAD> tags.
Ans: A

Section –B (2 marks each)

0. **Shalini, a web designer, wants to create a webpage to display a list where each item is listed by a number. Which type of list she should use? Explain the role of start and type attributes.**

Ans Ordered List Role
Start Attribute: specifies the start value of an ordered list
Type Attribute: specifies the type of the list item marker

14. Sunil wants to insert an image 'elearning.jpg' into a webpage. Write the name and the syntax of the HTML Tag she should use. The alternate text for the image should be E-learning Image'

Ans Name of Tag : Image Tag (<img>)
Syntax of Tag :<imgsrc = "elearning.jpg" alt = "E-learning Image">

(or)

What is the use of <sub> and <sup>tag. Explain with suitable example.

Ans <sub> : defines subscripted text
<sup> : defines superscripted text
Example
To write a2 : a²
To write CO2 : CO₂

15. Write output of the following HTML code.

```
<html><head><title> Table </title></head>
<body>
<table border="1">
<tr><th align="center" rowspan="3"> ONE </th><th> TWO </th>
<th>THREE </th></tr>
<tr><td> Rose </td><td> Lily </td></tr>
<tr><td align="center"> Pansy </td><td align="center"
```

colspan=”2”> Dahlia </td></tr>
</table></body></html>

16."CSS is the most popular choice for the web developers these days". Write any four advantages of CSS.

Answer:

(OR)

17. Explain the concept of Submit and Reset buttons in HTML forms.

18. Write the equivalent inline CSS for the following HTML tag.

a. <body bgcolor="green">

b. <img src="me.jpg" height=20 width=30>

OR

a. Write an external CSS code snippet to set all four margins of the body tag with 5px each.

b. Write an inline CSS code to set the background color for the first level heading as 'green' containing the text "My CA Exam".

19. Write the difference between <dt>and<dd>tags.

Section –C (3 marks each)

20. Form a CSS code within the <head>….</head> for the following specifications: Background colour : blue For the paragraph, font family is Dotum and colour of the text is red Heading should be in black colour

Answer:

<head>
<style>
body { background-color: blue;
}
p {color:red; font-family:Dotum;
}
h1{ color: black;
}
</style>
</head>

21.

22. Write HTML code to display the unordered list (with square bullets) of two cities “DELHI” and “MUMBAI”. The web page should have a yellow background and the title of the page should be ‘My Cities’

Answer

<HTML>
<HEAD>
<TITLE> My Cities</TITLE>
</HEAD>
<BODY bgcolor=”yellow”>
<UL type=”square”>
<LI> DELHI </LI>
<LI> MUMBAI </LI>
</UL>
</BODY>
</HTML>

OR

Write HTML code to display an ordered list (with uppercase roman numbers) listing any three subjects being taught in your school. The web page should have a red background and the title of the page should be ‘My Subjects’

Answer

<HTML>
<HEAD>
<TITLE> My Subjects</TITLE>
</HEAD>
<BODY bgcolor=”red”>
<OL type=”I”>

<LI> Science</LI>
<LI> Maths</LI>
<LI> Computers</LI>
</OL>
</BODY>
</HTML>

0. Nisha wrote the following HTML statement:
<IMG src=”school.jpg”>
She did not use closing tag of IMG and told her friend that IMG is empty element. What is an empty element?
Answer:Empty elements are standalone tags, i.e. empty tags do not have to be wrapped around text or graphics and do not require a closing tag.

Section –D (4 marks each)

24. Write the HTML code to design the above-shown web page considering the specifications as given below :

- Background color of the page should be yellow.
- Heading ‘Our Country : India’ should be the first level of heading
- The image named ‘India.jpg’ should be placed at the center.
- Formatting style for the paragraph
- Font Size: 5
- Font Name: Times New Roman
- Color: Red
- Superscript and subscript tags should be used wherever required. Facts (as shown in the above web-page) should be written with the help of the unordered list.

OR

Answer the following

1. What is a Hypertext link?
2. Give the name and the syntax of the HTML Tag which is used for creating a Hypertext Link.
3. Neha wants to display a ‘Click Here’ message on her webpage which, when clicked, opens a new webpag ‘Chapter2.html’. Write the syntax of the HTML command she should use.
4. On the same webpage, Neha whose email is neha@xyz.com, wants to display a ‘Contact us’ message which when clicked open theemail program and allows the user to send a mail to Neha.Write the syntax of the HTML command she should use.
5. Explain the use of the target attribute in the Hypertext Link Tag.

Ans <html>
<body bgcolor=”yellow”>

<h1> Our Country : India </h1>
<imgsrc=”india.jpg”>

India is spread over a large geographical area. In terms of
area, it is the 7th largest country while in
terms of population, it is the 2nd largest
country in the world. Some facts about India are as
follows

Area :Approx 3.28 million sq. km
North to South extension :Approx 3,200 km
East to West extension :Approx 2900 km

</body>
</html>

OR

Hyperlink allows us to link HTML elements (text and/or image) to another document or new section within the current document.
b.Name : anchor tag, Syntax <a href=”Link
Address”>Hyperlink Text
Click Here
Contact us
Specifies where to open the linked document when the link is clicked.

Section - E
Case Study -1

25. Embed Audio Element

The HTML <AUDIO> element is used to embed sound content in documents. It may contain one or more audio sources, represented using the src attribute. The <AUDIO > element defines an in-browser audio player. The audio player can provide a single piece of audio content. To specify the source file of the audio content, use one or more <SOURCE> elements inside the <AUDIO> element. All <SOURCE> files should contain the same audio content, but in different file formats. The browser will select the first file format that it is able to play. If you are not going to provide multiple source file formats, you may indicate the source file in the src attribute, instead of in a separate <SOURCE> element.

(i) <AUDIO> tag is used in (1)
(a) < HTML > tag (b) **<BODY> tag**
(c) < HEAD > tag (d) <TITLE> tag

(ii) Which of the following attributes of <AUDIO> tag?
(a) autoplay (b) src (c) type **(d) All of these**

(iii) What is the attribute of <SOURCE> tag?
(a) src (b) type (c) Both (a) and (b) (d) height

(iv) Most commonly used audio format(s) is/are (1)
(a) ogg (b) mp3 (c) wav **(d) All of these**

(v) What is the full form of src? (1)
(a) Source (b) Service (c) Support Cast (d) Specify Resource

Case Study -2

26. CSS stands for Cascading Style Sheets. It describes the manner in which HTML elements are to be displayed on the screen, paper, or in other media. Using CSS, we can control and change the appearance/layout of multiple websites at the same time. External stylesheets are stored in **.css** files.

CSS allows us to separate the basic layout of a webpage from its styling and attributes, allowing us to manage our design into effective chunks of code. This is a principle of "Separation of Concern" which allows us to design more complex websites efficiently.

CSS syntax has statements that have 2 parts, a **selector** and a **declaration** block.

The **Selector** points to some HTML element which we want to style. The **Declaration block** consists of multiple declarations which are separated by semicolons. The declarations are of the form **propertyName: value** and are enclosed within curly braces.

I) **In how many ways you can create CSS Style Sheet?**

Answer: In 3 ways, you can create CSS style sheet.
(a) Inline – embeded right withing the HTML code they effect.
(b) Internal – placed within the header information of the web page.
(c) External – styles are coded in a separate document.

II) How to apply the same css rule / style on multiple tags?

Ans: To apply the same rule/style on multiple tags follow these –
selector1, selector2, selector3 {property-name : value; property-name : value}
For example: ***h1, h2, h3 {color : green; font-family : Times New Roman }***

III) **Which style sheet has higher and lower precedence?**

Answer: Inline style sheet has higher precedence and External style sheet has lower precedence.

IV) **What are the benefits of the CSS?**

Answer: Benefits of CSS are-

- Pages download faster.
- type less code.
- web page shorter and neater.
- look of website is consistent.
- updating design is easier.
- maintenance of website is easier and less error prone.

V) **What is Style sheet?**

Answer: A Style sheet is a file containing formatting guidelines that define overall look of a document.