Module 4) CSS and CSS 3

1) What are the benefits of using CSS?

Ans: Cascading Style Sheets improve the user experience with layout.

CSS can make web pages Formatting easier to read and more user-friendly.

CSS can help ensure that a website has a consistent look and feel across multiple browsers.

2) What are the disadvantages of CSS?

Ans: It can be complex for beginners. CSS has Compatibility issues with different web browsers. Overusing CSS can potentially slow down a website's performance.

3) What is the difference between CSS2 and CSS3?

Ans: In CSS2 a new box model that includes padding, borders, and margins. In CSS3 Introduced the flexible box layout module, which allows for more flexible layouts.

In CSS3 Supports more browsers than CSS2.

CSS3 Introduces several new selectors.

4)Name a few CSS style components

Ans: Selector: class name, id name or element name that is target

Attribute: name of the attribute you want to style for example border, color, background, position etc.

Different kind of Property

Value of Property: value that will be assigned to attribute.

5)What do you understand by CSS opacity?

Ans: In Cascading Style Sheets (CSS), opacity property is used to sets the opacity of an element.

6)How can the background color of an element be changed?

Ans: By selecting the element by its class name of id name and then apply the background-color property on it to set the background color.

Syntax: Div {

                        background-color: color_name;

                }

7)How can image repetition of the backup be controlled?

Ans: The background-repeat property controls the repetition of background images. It can be used to repeat the image both vertically and horizontally.

body {

  background-image: url("");

  background-repeat: repeat-y;

}

8)What is the use of the background-position property?

Ans: Background-position property in CSS sets the current position for a background image.

9)Which property controls the image scroll in the background?

Ans: The background-attachment property sets a background image scrolls, or is fixed.

10) Why should background and color be used as separate properties?

Ans: background property in CSS,when combined with color, the complexity is increased. Color is an inherited property while the background is not.

11)How to center block elements using CSS1?

Ans: To horizontally center a block element using CSS1, margin: auto property is used

12) How to maintain the CSS specifications?

Ans) The Specification defines how CSS properties should be implemented by browser detailed algorithms, code samples and tabular information.

The Specification also include:

The syntax and data types of the language

Detailed explanation on CSS Selectors

13) What are the ways to integrate CSS as a web page?

Ans: There are three ways of inserting a style sheet:

- External CSS

  With an external style sheet, the look of an entire website can be changed with just one file

The reference to the external style sheet file inside the <link> element, inside the head section should be given.

- Internal CSS

    An internal style sheet used i one single HTML page for styling.

    The internal style is defined inside the <style> element, inside the head section.

- Inline CSS

    An inline style is used to apply a style for a single element.

    To use inline styles, style attribute should be add to element. The style attribute can contain any CSS property.

14)What is embedded style sheets?

Ans) Embedded style sheets are used to styles for an entire HTML document in one document. This style can be written in html file in head tag it self.

```
<html>
<head>
 <style>

</style>
</head>
<body>

<h1>This is a heading</h1>
<p>This is a paragraph.</p>
</body>
</html>
```

15)What are the external style sheets?

Ans) External style sheets are used to styles HTML document from different document and then they need to be link in html documents by giving document path from root folder.

```
<html>

<head>

  <link rel="stylesheet" href="styles.css">

</head>

<body>

</body>

</html>
```

16)What are the advantages and disadvantages of using external style sheets?

Ans) **The advantages:**

- External Style Sheets can be used, to styles of different documents from one single file.
- In External Style Sheets, Classes can be made for use on numerous HTML element types in many forms of the site.

The dis-advantages:

- An extra download is essential to import style information for each file.
- While implementing style sheets, we need to test Web pages with multiple browsers in order to check compatibility issues.

17)What is the meaning of the CSS selector?

Ans: Selector are used to select the HTML elements by their element name, id, attributes, etc.

Universal Selector

Id Selector

Class Selector

Group Selector etc…

18)What are the media types allowed by CSS?

Ans) @media define different style rules for different media types.

Media queries can be used to check many things, such as:

width and height of the viewport

orientation of the viewport (landscape or portrait)

resolution

there are two type of media query is used :

max-height

min-height

19)What is the rule set?

Ans) A CSS rule set is a collection of one or more rules that are executed together as a single unit against a specific set of records. A CSS rule set consists of a selector and a declaration block:

For example, the declaration

Color : blue;

text-align: center;