**Module 4) CSS and CSS 3**

1. **What are the benefits of using CSS?**

**=>** 1) Faster Page Speed. More code means slower page speed.

2)Better User Experience. CSS not only makes web pages easy on

the eye, it also allows for user-friendly formatting.

3) Quicker Development Time. ...

4) Easy Formatting Changes. ...

5) Compatibility Across Devices.

1. **What are the disadvantages of CSS?**

=>Confusion due to many CSS levels. Beginners are more vulnerable

to this issue.

Cross-Browser Issues. Different browsers work differently.

Security Issues. Security is important in today's world driven by

technology and data.

Extra Work for Developers.

1. **What is the difference between CSS2 and CSS3?**

=>CSS3 features the Selector concept, whereas CSS does not. Thus, rather than applying classes or IDs for creating styles, developers can use CSS3 to choose HTML elements in place of IDs and classes as attributes to be applied to CSS styles.

1. **Name a few CSS style components.**

=>The major components of a CSS style are as follows:

\* Selecter: HTML element name, id name, class name.

\* Property: It's like an attribute such as background color,font-

size,position,text-align,color,border etc.

\* Values: Which defines property or values allocate for properties.

1. **What do you understand by CSS opacity?**

**=>** The opacity CSS property sets the opacity of an element. Opacity is the degree to which content behind an element is hidden, and is the opposite of transparency**.**

1. **How can the background color of an element be changed?**

**=>** To add background color in HTML, use the CSS background-color property. Set it to the color name or code you want and place it inside a style attribute. Then add this style attribute to an HTML element, like a table, heading, div, or span tag .

1. **How can image repetition of the backup be controlled?**

**=>** This task can be achieved by using the background-repeat property that will help us to control the repetition of the image. The background-repeat property in CSS is used to repeat the background image both horizontally and vertically. It also decides whether the background image will be repeated or not.

1. **What is the use of the background-position property?**

**=>** The background-position property sets the starting position of a background image. Tip: By default, a background-image is placed at the top-left corner of an element, and repeated both vertically and horizontally.

1. **Which property controls the image scroll in the background?**

=>The background-attachment property sets whether a background image scrolls with the rest of the page, or is fixed.

1. **Why should background and color be used as separate**

**properties?**

=> There are two reasons behind this: It enhances the legibility of style sheets. The background property is a complex property in CSS, and if it is combined with color, the complexity will further increase.

1. **How to center block elements using CSS1?**

**=>** To centrally align the block elements, we can simply make use of the <center> tag. All the elements within the <center> tag will be centrally aligned.

1. **How to maintain the CSS specifications?**

**=>** The CSS specifications are maintained by the World Wide Web

Consortium (W3C). Internet media type (MIME type) text/css is

registered for use with CSS by RFC 2318 (March 1998).

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

**=>** CSS may be added to HTML in three different ways. To style a single

HTML element on the page, use Inline CSS in a style attribute. By

adding CSS to the head section of our HTML document, we can

embed an internal stylesheet. We can also connect to an external

stylesheet that separates our CSS from our HTML.

1. **What is embedded style sheets?**

=> It allows you to define styles for a particular HTML document as a

whole in one place. This is done by embedding the <style></style>

tags containing the CSS properties in the head of your document.

1. **What are the external style sheets?**

=> To apply a rule to multiple pages, an external style sheet is used.An

external style sheet is a separate CSS file that can be accessed by

creating a link within the head section of the webpage. Multiple

webpages can use the same link to access the stylesheet.

1. **What are the advantages and disadvantages of** **using external**

**style sheets?**

=> Advantages :-

The external style sheet is generally used when you want to make

changes on multiple pages. It is ideal for this condition because

it facilitates you to change the look of the entire web site by changing

just one file. It uses the <link> tag on every pages and the <link> tag

should be put inside the head section.

Disadvantages:-

Your pages may not be rendered correctly until the external CSS is

loaded.

Uploading or linking to multiple CSS files can increase your site's

download time.

1. **What is the meaning of the CSS selector?**

=> A CSS selector is the first part of a CSS Rule. It is a pattern of elements and other terms that tell the browser which HTML elements should be selected to have the CSS property values inside the rule applied to them.

1. **What are the media types allowed by CSS?**

=>We can start our discussion of media by defining and describing different kinds of media that children are using today. Modern media comes in many different formats, including print media (books, magazines, newspapers), television, movies, video games, music, cell phones, various kinds of software, and the Internet.

1. **What is the rule set?**

=> A rule or "rule set" is a statement that tells browsers how to render particular elements on an HTML page. A rule set consists of a selector followed by a declaration block.