**Assignment 3 – PPT Web Dev**

Q.1 What is a Media Query in CSS, and what is its purpose?

A media query is a feature in CSS that allows we to apply different styles based on the characteristics of the device or browser being used to view a web page. It provides a way to create responsive designs by targeting specific devices or conditions and adjusting the lawet and presentation accordingly.

The purpose of a media query is to make a web page or application adapt to different screen sizes, resolutions, orientations, and other device-specific features.

By using media queries, we can define different styles or rules that will be applied only when certain conditions are met. This allows us to optimize the user experience and ensure that our content is displayed appropriately on various devices, such as desktop computers, laptops, tablets, and mobile phones.

Q.2 How do you define a media query in CSS?

Media queries provide a powerful way to create responsive designs that adapt to different devices and screen sizes. They help ensure that your web pages are accessible and usable across a wide range of devices, enhancing the overall user experience.

e.g-   
@media (max-width: 600px) {

/\* CSS rules for devices with a maximum width of 600px \*/

body {

font-size: 14px;

}

.container {

width: 100%;

}

/\* ... other styles specific to smaller screens ... \*/

}

Q.3 Explain the concept of Breakpoints in Responsive Web Design and How They are used in Media Queries.

Breakpoints in responsive web design are specific points or ranges of viewport widths where the layout and design of a web page are adjusted. They are used in media queries to define conditions based on viewport characteristics and apply different styles or layout adjustments at specific viewport widths. By using breakpoints effectively, you can create a responsive design that adapts to different devices and screen sizes.

Q.4 What is the purpose of using Media Queries for Print Media?

The purpose of using media queries for print media is to apply specific styles or modifications when a web page is printed or viewed in print preview mode. Media queries allow you to target the print medium specifically and adjust the layout, formatting, and content presentation to optimize the printed output.

Q.5 What is the purpose of the orientation media feature?

The purpose of the orientation media feature is to target and apply specific styles based on the orientation of the device's viewport. It allows you to customize the presentation of your web page based on whether the device is in a portrait or landscape orientation.