**Conceptual Exercise – CSS Fundamentals**

**Question 1: Explain how CSS Differs from HTML in the context of web development.**

HTML is used to structure a webpage, and CSS is used to style it.

**Question 2: List the methods of including CSS in an HTML document and briefly describe each.**

External link: using a <link> element in HTML to link all CSS subjects and declarations as they are written.  
Using HTML: using <style> element in the <head> portion of an HTML to stylize.  
Inline: in HTML, using a <style> to stylize each individual element of a webpage.

**Question 3: Describe the anatomy of a CSS rule.**

Begin with the selector. Then write an open curly bracket, the declaration with a property to the left of a colon, the value to the right of colon and end it with a semicolon.

**Question 4: When might you want to use RGBa instead of RGB?**

When you want to change the transparency of a color.

**Question 5: How do hex color values differ from RGB?**

Hex color values use a hexadecimal number system--that includes numbers and letters--to change the amount of red, green and blue in the desired color. RGB uses a decimal number system using numbers from 0 to 255.

**Quesiton 6: When might a developer prefer to use HSL over other color formats?**

When they want to more easily find a complimentary color; or to more easily make a color darker or lighter.

**Question 7: What are the primary text properties used in CSS to modify the appearance and layout of text?**

**Color, font-size, text-align, background-color, line-height, font-family**

**Question 8: In what scenarios might it be beneficial to use vh or vw as a unit for font size?**

**When considering the screen size of a potential user.**

**Question 9: Explain the difference between em and rem units.**

Em units change font-size relative to the parent element’s font size. Rem units change font-size relative to the root font-size of an HTML.

**Question 10: If multiple font families are listed in the font-family property, how does the browser decide which one to display?**

It displays the first listed font family that is compatible with the users operating system.