**1. What is CSS3?**

CSS3 – New version of Cascading Style Sheet (CSS)

Responsiveness

Modules

Animations

Shadows

Colors

Reduced Alignment problems

Border Radius

**2. What is Gradient?**

CSS gradient allow you to display a progressive transition between two or more specified colors

**Linear Gradient**

<style>

{

height : 300px;

background-image : linear gradient (black, white);

}

</style>

**Radial Gradient – radiate out from central point**

<style>

{

height : 150px;

width : 400px

background-image : radial-gradient (black, green, yellow);

}

</style>

**3. What is Media Query in CSS3?**

Enables you to customize website’s appearance for various devices

Consists of a media type

Uses @media rule to apply different styles for different media type

@media screen

{

p.rText {font-family : verdana, sans-serif; font-size : 12px }

}

@media print

{

p.rText {font-family : times, serif; font-size : 10px }

}

**4. Media types in CSS3**

all

print

screen

speech

**5. CSS3 Animations**

Elements gradually change from one style to another without using JQuery / JavaScript

To use CSS animation, you write animation using keyframes

……animation example

@keyframes animate{

from (background-color:red)

to (background-color:green)

}

/\* The elements to apply the animation to \*/

div{

width : 100px;

height : 50px;

background-color : red;

animation-name : animate;

animation-duration : 3s;

}

**6. What is the use of calc()?**

Perform calculations to be used as property value

e.g. width : calc(100% - 90px);

Has the ability to mix units, like percentages and pixels.

**7. What is CSS3 Flexbox?**

Also called “flexible box”

Layout Module to arrange items within a container in easy and clean manner

Consists of flex container that holds flex items

**8. What is word-wrap property in CSS3?**

Allows long words to be broken to prevent overflow and wrap onto next line

e.g. word-wrap : normal / break-word / initial / inherit

**9. How to create shadow effect in CSS3?**

text-shadow

box-shadow

**10. What is the use of CSS3 sprites?**

Multiple images on a web page are combined into a single image called sprite sheet

Reduces the number of server requests and saves bandwidth

**11. Class selector vs ID selector**

ID can be used to identify one element

Class can be used to identify multiple HTML elements

**12. What are CSS3 Transitions?**

Allow changing property values smoothly

**13. What are psedo-elements in CSS3?**

Used to style specified parts of an element

Two psedo-element:

- first-line

- first-letter

**14. What is Z index function?**

Used for specifying overlapping element

It is a number which can be positive or negative

Default value, Zero(0)