**ASSESSMENT – 1 (HTML, CSS & JAVASCRIPT)**

1. What are the primary differences between data retained on a user’s device by using session storage and by using local storage?

ANS: The only difference is that local Storage has a different expiration time, and the session storage will only be accessible while and by the window that created it is open.  
 Local Storage lasts until you delete it or the user deletes it.

1. Verify the below statement is true or false:

You configure a webpage to use the application cache to cache a resource locally. If the resource is modified at the webserver, then the browser automatically downloads the latest version. True or False?

ANS:True

1. What methods are provided by the navigator.geolocation object for obtaining geolocation information?

ANS: (a) getCurrentPosition()

(b) watchPosition()

1. How do you select the first item in a list so that you can apply styling to it?

ANS: The :first-of-type selector in css allows us to select the first occurrence of an element of the list.

1. Verify the below statement is true or false:

You should always use the input event to validate data that a user enters into a field, in preference to the submit event of the form. True or False?

ANS: True

1. Which DOM event indicates that the contents for a page have been loaded into the browser?

ANS: The load event of DOM event indicates that the contents for a page have been loaded into the browser.

1. List five new elements that HTML5 provided for specifying the semantic meaning of content in a web page?

ANS: <header>

<article>

<aside>

<figure>

<footer>

1. Which of the following items is NOT a property of the CSS box model?
2. Margin
3. Content
4. Border
5. Style
6. Padding

ANS: Style

1. Which of the following statement returns true?

Console.log(isNan(“John”));

Console.log(isNan(3));

ANS: Console.log(isNan(“John”)); True

Console.log(isNan(3));False

1. What is the difference between Alert and Confirmation Boxes?

ANS: Alert will display a popup box with the specified message with the OK button. And Confirmation boxes will Display a popup box with the specified message with OK and Cancel buttons

1. What is the difference between Var, Let and Const keywords?

ANS: Var create variables that can be reassigned another value. Variables declared by Var are available throughout the function in which they're declared.

Let create variables that can be reassigned another value. Variables declared by let are only available inside the block where they're defined.

Const creates ”constant ” variables that cannot be assigned another value.

1. How can you remove duplicates from a JavaScript Array?

ANS: indexof()

filter()

set()

reduce()

forEach()

indexof()

1. How can you optimize the performance of a JavaScript application? List any four.

ANS: (a)By adding event handling

(b)By reducing many dependencies

(c)By using proper loops or iterations

(d)By organizing the code

1. What do you meant by Callback in JavaScript?

ANS: If a function that is passed as an argument to another function so that it can be executed in that other function is called as a callback.

1. What are the different ways an HTML element can be accessed in a JavaScript code?

ANS: By using getElementsByName() method.

By id

By tag name.

By class name.

By CSS selectors.