**CSCE 102 ─ Final Exam**

Total: 100 points

**Name** **Section Number**

**School Email (required)**

1. What is **HTML**? (2 pts)
2. How many ways are there to apply **CSS** in a HTML page? (3 pts)
3. List **ALL** mandatory tags in a HTML file. (6 pts)

\_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_

1. What is the difference between **block level** tag and **inline** tag? List **one** block level tag and **one** inline tag (4 pts)

**Difference**:

**Block level tag**: \_\_\_\_\_

**Inline tag**: \_\_\_\_\_\_

1. Fill in the blank with a **single-line** **JavaScript** comment that contains “Comment” (2pts)

1. Write a **local** CSS style to double space all lines in a paragraph. (2pts)
2. Declare a variable and assign it a string value 10. (2pts)
3. List 3 attributes which are mandatory for an image map. **Give only the attribute names.** (3pts)
4. Write the code to use the thumbnail image, “googletNail.jpg”, to create **an image link** and link it to the original image “google.jpg”. (Assume all files are in the same folder). (4pts)
5. Fill in the blank below such that when you click on the thumbnail image “googletNail.jpg”, it will be replaced with another image “google.jpg”. (Assume all files are in the same folder). (4pts)

<img src=”googletNail.jpg” alt=”google” onclick= >

1. Write the code around the list to create this list. No CSS styles needed. (4pts)
2. Labs
3. Projects
4. Test

* Test 1
* Test 2

1. Write an **internal** CSS style to set the background color of the **whole page** to purple, put it in **the appropriate tags**. (2pts)
2. Fill in the blank below so that when you **double click** the paragraph, the **text content** of this paragraph will change to "Wow it is magic!".(2pt)

<p >Click me to see what happens! </p>

1. Given a variable ***i*** with the **initial** value **1**, use this variable to write a **while loop** to call an alert box **five** times. The message the alert box shows is "Hi". (6pts)
2. Fill in the blank below to change the **font color** of the **current** paragraph to green when you click it.(2pts)

<p \_\_\_\_\_\_\_ >Content of this paragraph</p>

1. **A**. Fill in the blanks below and use a **class** to make the font size of the **ALL heading elements** to 16pt. (3pts)

<style>

</style>

…

<h2 > Heading1 </h2>

<h1 > Heading2. </h1>

**B**. Explain when to use an id and when to use a class when you apply CSS styles to a webpage. (2pts)

1. Write a function named ***setColor()*** which does the following things: (6pts)

1) it prompts the user for a color

2) it then calls an alert box says "So you choose " and the color that user entered, for instance, the message would look like "So you choose green" if green is the color you entered.

3) finally, the background color of the whole page will be changed to the color that user entered.

<script>

</script>

1. Read the following code carefully, the final value for ***x*** is the final value for ***y*** is ; and the final value for ***fruit*** is . (6pts)

var x = "avocado";

var y = "pomegranate"

var fruit = "pineapple";

fruit = x;

x= y;

y = fruit;

1. Write an image element to display an image "paris.jpg", when you mouse over it, it will change to another image "berlin.jpg". (2pts)
2. Carefully read the following code. List what is in each alert box that **will be displayed** in the order that will be displayed. (6pts)

secret = “May the force be with you”;

//alert(“Return of the Jedi”);

secret = “The Force will be with you. Always”

function secretCode() **{**

alert(“Chewie”);

**}**

secretCode();

alert(secret);

alert(“We are going home”)

1. The following statements are executed in order, one after the next. Read them carefully, in the end the value of **y** will be (2pts)

var x= 20;

var y = "17"

x = x+y;

y= "Final";

y= y+x;

1. Given the code below,

**A**. Fill in the blank below to use Javascript to make paragraph **invisible** when you **click** on it. (2pts)

**B**. Fill in the blank below to use Javascript to make paragraph **visible** again when you **double click** on it. (2pts)

<head>

<style>

body{background-color: purple; color: white;}

</style>

</head>

<body>

<p >

See what I can do! </p>

</body>

1. Draw a rectangle for each alert box that is displayed on the screen with the content of the alert box (Only draw the ones will be displayed) (4 pts)

function Good\_luck (cat, dog) {

alert(cat + “and ” dog);

}

dog = “Hello”

cat = “Wow”;

Good\_luck(cat, dog);

1. Write HTML and CSS code to create following table with border style dotted; (5pts)

|  |  |  |
| --- | --- | --- |
| **Grades** | **Lab A and B** | |
| 100 | 100 |

1. Read the following code carefully:
2. How many times will the for loop execute? \_\_\_\_\_\_\_\_\_(2pts)

for(var count = 0; count <= 12; count += 3) **{**

alert(“The value of count is ” + count);

**}**

1. Convert the above **for** loop to an equivalent **while** loop. (4 pts)
2. For the following code:
3. What is the value of a \_\_\_\_\_\_\_ (2 pts)
4. What is the value of b \_\_\_\_\_\_\_ (2 pts)
5. circle the alert box or boxes that will be called (2 pts)

var a = 12%3;

var b = 100%30

if( a != “0” && a == 0 && b !=20){

alert(“Hey!”);

}

else {

alert("Okay");

}