44-563 Developing Web Applications and Services Fall 2013

Exam 1 Version 1

Each question is worth 4 points.

1. The <title> tag is contained inside which tag?

A. <head>

B. <body>

2. The text in an <h2> tag is displayed in a larger size font than the text in an <h4> tag.

A. True

B. False

3. The HTML tag for a paragraph is

A. <par>

B. <p>

C. <pg>

4. Which type of list uses bullets?

A. <ol>

B. <ul>

5. Assume a table contains 3 rows and 7 columns and there are no headings. How many <td> elements does the table contain?

3 \* 7 = 21

6. The tag used to link to another web page is

A. <li>

B. <a>

C. <page>

D. <p>

7. The <img> tag uses which of the following attributes?

A. href

B. src

8. To assign an id to a word contained in a paragraph so we can style it, we use which tag?

1. <li>
2. <td>
3. <span>

9. To assign an id to a section of a web page so we can style it, we use which tag?

A. <th>

B. <div>

C. <s>

10. To create a dropdown list in a web page, we use which of the following tags?

A. <ul>

B. <dropdown>

C. <select>

11. The items in a dropdown list are included in what tag?

A. <option>

B. <choice>

C. <item>

12. HTML5 has a tag for including audio in a web page.

A. True

B. False

13. The content of a web page is specified using

A. CSS

B. HTML

C. JavaScript

14. A Cascading Style Sheet file can only be used with a single web page.

A. True

B. False

15. Write CSS code to set the color of the text in all <h2> elements to blue.

h2 { color: blue; }

16. Write CSS code to put a green border around all paragraph elements.

p { border: solid green; }

17. Assume a web page contains an element with id = "hi". Write CSS code to display this element in the color yellow.

#hi { color: yellow; }

18. Responsive web design uses what type of sizes?

A. Absolute

B. Relative

19. Assume the default font size is 20px. Then a font specified to be of size 2.5em is what size in pixels?

20 \* 2.5 = 50px

20. JavaScript is a subset of Java.

A. True

B. False

21. Assume a paragraph in a web page has id="hi". Write JavaScript code to set the background color of the paragraph to blue.

document.getElementById("hi").style.backgroundColor = "blue";

22. Assume we have the following input box in a web page:

<input type="text" id="username">

Write JavaScript code to assign the value the user enters in the box to the variable person.

var person = document.getElementById("username").value;

23. Assume we have the following code in a web page:

<input type="radio" name="size" id="small">Small<br>

<input type="radio" name="size" id="large">Large<br>

Write JavaScript code to assign the value 1.25 to the variable price if the user selected the small radio button and assign the value 2.05 to the variable price if the user selected the large radio button.

if (document.getElementById("small").checked) {

price = 1.25;

} else if (document.getElementById("large").checked) {

price = 2.05;

}

24. Assume we have the following tag in a web page:

<img id="myphoto" src="carmen.jpg" alt="dog photo">

Write JavaScript code to change the image to "leonard.jpg".

document.getElementById("myphoto").src = "leonard.jpg";

25. Assume we have the following code in a web page:

<input type="button" id="checkout" value="Check Out">

Write JavaScript code to assign the function ProcessOrder as the event handler for clicking the button.

window.onload = function() {

document.getElementById("checkout").onclick = ProcessOrder;

}