44-563 Developing Web Applications and Services Fall 2014

Exam 1 Version D

Each question is worth 2 points.

1. A tag with a ‘/’ inside, (for example, </p>) indicates which of the following?
   1. a comment follows
   2. nothing – the ‘/’ is not used in tags
   3. holds the location of a parameter
   4. the end of scope for the corresponding tag
2. Consider the following code:

<table border="1">

<tr>

<td>Name</td>

<td>Name</td>

<td>Age</td>

</tr>

</table>

How many rows are in this table?

* 1. Zero
  2. One
  3. Two
  4. Three

1. HTML can be used by PCs but not smartphones.
   1. True
   2. False
2. A reference to one particular id can be present more than one time in an HTML document.
   1. True
   2. False
3. The numbers contained in the tags <h1>, <h2> and <h3> indicate the order the tags are used in the HTML document.
   1. True
   2. False
4. The primary function of cascading style sheets is to detach the style of a web page from HTML.
   1. True
   2. False
5. You can link a JavaScript or a style sheet to an HTML page, but not both.
   1. True
   2. False
6. A cascading style sheet must include both a <head> and <body> tag.
   1. True
   2. False
7. HTML ignores whitespace.
   1. True
   2. False
8. An image tag is another name for a hyperlink.
   1. True
   2. False
9. The HTML tag for a paragraph is
   1. <pg>
   2. <p>
   3. <para>
   4. <pgh>
10. The <head> tag precedes the <body> tag.
    1. True
    2. False
11. A reference to one particular class can be present more than one time in an HTML document.
    1. True
    2. False
12. A link to a CSS must be given in what portion of an HTML document.
    1. <head>
    2. <title>
    3. <p>
    4. <body>
13. Which of the tags below would be used for a hyperlink?
    1. <li>
    2. <link>
    3. <a>
    4. <d>
14. HTML5 includes most features of HTTP.
    1. True
    2. False
15. With responsive web design, you can specify breakpoints according to the number of pixels in the browser window.
    1. True
    2. False
16. You can use the getElementById() method in JavaScript to both retrieve and set the contents of an HTML element.
    1. True
    2. False
17. It is considered good practice to include only content elements, and not style elements in an HTML document.
    1. True
    2. False
18. JavaScript is executed by
    1. a browser
    2. a web service
    3. a Java compiler
    4. none of the above
19. When using responsive web design, we designate text size in what unit?
    1. pixels or points
    2. % only
    3. % or em
    4. pixels only
20. Which of the following tags are used to group inline elements of a web page to make the style consistent?
    1. <sect>
    2. <line>
    3. <grp>
    4. <span>
21. The purpose of responsive web design is to allow web pages to react to events through JavaScript.
    1. True
    2. False
22. JavaScript allows programmers to use the Java programming language on a web page.
    1. True
    2. False
23. If a web page contains one or more elements that have class="44563”, how would you display all of these elements in the color pink?
    1. 44563 { color: pink; }
    2. .44563 { color: pink; }
    3. #44563 { color: pink; }
24. To put a border around a group of checkboxes in HTML, we use which of the following tags?
    1. <border-group>
    2. <group>
    3. <fieldset>
25. Consider the following code:

.myFavorite {

color: blue;

font-weight: bolder;

}

The color “blue” will be applied to

* 1. the first occurance of the item with the “id” labeled *myFavorite*.
  2. the HTML file *myFavorite.html*
  3. all items belonging to the class *myFavorite*.
  4. nothing – colors are represented in hexadecimal code

1. Which of the following is a proper description of HTTP?
   1. A protocol that allows a web server to communicate with a client.
   2. A precursor to HTML, that is now rarely used.
   3. A mechanism to present multiple HTML documents uniformly.
   4. An HTML title page.
2. Responsive web design is required in order for smart phones to access the web.
   1. True
   2. False
3. JavaScript allows a user to modify HTML through events.
   1. True
   2. False
4. Which of the following tags are used to group elements of a web page into a section?
   1. <sect>
   2. <divide>
   3. <div>
   4. <sec>
5. Assume an HTML paragraph has id="myParagraph". To replace the contents of the paragraph with the string "your paragraph" using JavaScript, we write:
   1. document.getElementById("myParagraph").innerHTML = "your paragraph";
   2. document.getElementById("myParagraph") = "your paragraph";
   3. document.getElementById("myParagraph").contents = "your paragraph";
   4. document.getElementById("myParagraph").text = "your paragraph";
6. If we want an input box with id="theMainBox" to have the text “Hello” when a button is clicked, we write the following JavaScript code:
   1. document.getElementById(“theMainBox”).value = ”Hello”;
   2. document.getElementById(theMainBox) = ”Hello”;
   3. document.get(“theMainBox”).value = ”Hello”;
   4. document.setElementById(“theMainBox”) = ”Hello”;
7. Netbeans is an environment that provides editing of which types of files?
   1. JavaScript
   2. HTML and CSS
   3. All of the above
   4. None of the above
8. Assume we are using this media query in CSS:  
   @media all and (min-width:400px) { h2 { color:pink; }}  
   Assume this is the entire CSS file. If the browser window is 300px wide, h2 headers are displayed in what color?
   1. black
   2. pink
9. If a default font size is 18 pixels, what font size would 1em indicate?
   1. 1 pixel
   2. 6 pixels
   3. 12 pixels
   4. 18 pixels
10. What type of file is the following code most likely found in?

body {

font-size: 100%;

font-family: Cambria, serif;

}

* 1. HTML
  2. CSS
  3. JS
  4. HTTP

1. Cascading style sheets are never used to specify content.
   1. True
   2. False
2. JavaScript will allow you to set values of HTML elements, but not the style of the elements.
   1. True
   2. False
3. JavaScript is case-sensitive.
   1. True
   2. False
4. It is considered good practice to use one cascading style sheet with multiple HTML documents.
   1. True
   2. False
5. The best practice for responsive web design is to include flexible attributes in the
   1. CSS
   2. HTML
   3. HTTP
   4. all of the above
6. A CSS can style all <h2> elements in an HTML document without identifying each specific element.
   1. True
   2. False
7. JavaScript has the following statements:
   1. looping statements
   2. conditional statements
   3. both looping and conditional statements
   4. neither looping nor conditional statements
8. The JavaScript <script> tag is included in which portion of HTML?
   1. <body>
   2. <head>
   3. both <body> and <head>
9. JavaScript allows a programmer to react to events.
   1. True
   2. False
10. JavaScript allows a programmer to create arrays.
    1. True
    2. False
11. Comments can be inserted in JavaScript code using the following symbols:
    1. \*\*
    2. #
    3. ..
    4. //
12. JavaScript ignores whitespace within source code.
    1. True
    2. False
13. To set the color of an HTML heading with an id=”myHeading”, use the following code:
    1. document.getElementById("heading").style.color = "red";
    2. document.getElementById("myHeading").style.color = "red";
    3. document.getElementById(heading).style.color = "red";
    4. None of the above