

CS 5130 Programming Knowledge Probe Questions

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* Result of the quiz will help instructor to better assist you through the semester and will NOT be included in your grade.

* Answer example: (**Yes** / No) or (Yes / **No**), (V) or (O)

1. Did you take CS 3120 class before? (**Yes** / No)

2. What kind of programming languages did you learn before? (Multiple choice)

- a. ☐ Python
- b. ☐ HTML, CSS, JavaScript
- c. ☐ C or C#
- d. ☐ Java
- e. ☐ PHP
- f. Other languages: **Apex**
- g. ☐ None

3. Are you currently working for company for programming job? (Yes / **No**)

** Choose only one answer per question from this point to the end

4. What do you use for commenting HTML?

- a. ☐ //
- b. ☐ <!-->
- c. ☐ #
- d. ☐ /* */

5. When the user clicks a hyperlink, a _____ locates the requested web page and sends it to the user's web browser.

- a. ☐ URL
 - b. ☒ Web server
 - c. ☐ Host
 - d. ☐ Packet
6. _____ with JavaScript can be used to validate user input, to interact with the browser, to enhance web pages, and to add client/server communication between a browser and a web server.
- a. ☒ Client-side scripting
 - b. ☐ Business rules
 - c. ☐ Server-side scripting
 - d. ☐ None of the above.
7. Which HTML5 heading is the smallest?
- a. ☒ h6
 - b. ☐ h1
 - c. ☐ h5
 - d. ☐ h0
8. An HTML5 table contains rows delimited by _____ elements, which contain cells delimited by _____ elements
- a. ☒ tr, td
 - b. ☐ tr, tr
 - c. ☐ td, tr
 - d. ☐ table, td
9. The usage of an input element is defined by the value of its _____ attribute.
- a. ☐ name
 - b. ☒ type
 - c. ☐ size
 - d. ☐ All of the above
10. Which of the following can be used as an inline container used to mark up a part of a text, or a part of a document?
- a. ☒
 - b. ☐ <edit>
 - c. ☐ <inline>
 - d. ☐ <div>

11. _____ are declared in each individual HTML5 element using the style attribute.

- a. ☐ Cascading style sheets
- b. ☒ Inline styles
- c. ☐ External styles
- d. ☐ User style sheets

12. Consider the following HTML5 code. What would a browser capable of scripting display when executing this code?

```
<html>

  <script type = "text/javascript">

    <!--

    <!-- document.writeln("Hello World"); -->

    //-->

  </script>

</html>
```

- a. ☐ document.writeln("Hello World");
- b. ☒ nothing
- c. ☐ Hello World
- d. ☐ <html>
 <script type = "text/javascript">
 <!--
 <!-- document.writeln("Hello World <p>");
 //-->
 </script>
 </html>

13. An alert dialog displaying the text "Welcome!" is created by calling _____.

- a. ☒ window.alert("Welcome!");
- b. ☐ alert.window("Welcome!");
- c. ☐ window("alert = \"Welcome!\"");
- d. ☐ window("<alert> Welcome! </alert>");

14. Which of the following is not a valid variable name for JavaScript?

- a. ☐ Tax1
- b. ☐ eightball_8
- c. ☒ 12footage
- d. ☐ pageNumber1200

15. Which of the following is a JavaScript repetition statement?

- a. ☐ while...repeat
- b. ☒ do...while
- c. ☐ do...repeat
- d. ☐ for...do

16. What output will the following script produce?

```
var i = 0;
var j = 3;
var counter = 0;

while ( i < 5 ) {
    if ( i != j )
        counter = counter + i;

    i = i + 1
}

document.write( counter );
```

- a. ☐ 9
- b. ☐ 14
- c. ☐ 3
- d. ☒ 7

17. Which of the following are valid names of scopes in JavaScript?

- a. ☐ local
- b. ☐ global
- c. ☐ variable
- d. ☒ both (a) and (b)

18. What will the browser display if the following script is executed?

```
<script type = "text/javascript">

  <!--

  var theArray = [ 1, 2, 3, 4, 5, 6, 7, 8, 9 ];

  modifyArray( theArray[ 3 ] );

  document.write( theArray.join( " " ) );

  function modifyArray( i ) {

    i = 11;

  }

  //-->

</script>
```

- a. () Nothing, the browser will generate an error.
- b. ☒ 1 2 3 4 5 6 7 8 9
- c. () 1 2 11 4 5 6 7 8 9
- d. () 1 2 3 11 5 6 7 8 9