

cs3wb \_\_\_\_\_

Name \_\_\_\_\_

Student ID \_\_\_\_\_

Signature \_\_\_\_\_

**CSE 3  
Final  
Winter 2007**

Page 1 \_\_\_\_\_ (18 points)

Page 2 \_\_\_\_\_ (15 points)

Page 3 \_\_\_\_\_ (18 points)

Page 4 \_\_\_\_\_ (26 points)

Page 5 \_\_\_\_\_ (18 points)

Page 6 \_\_\_\_\_ (14 points)

Page 7 \_\_\_\_\_ (19 points)

Page 8 \_\_\_\_\_ (9 points)

Page 9 \_\_\_\_\_ (24 points)

Page 10 \_\_\_\_\_ (8 points)

**Total** \_\_\_\_\_ (169 points = 161 base points + 8 points EC [5%])

161 points = 100%

1. The Save shortcut is \_\_\_\_\_ .

2. A dialog box will open for additional input from the user when a menu item has a(n) \_\_\_\_\_ in it.
- A. shortcut
  - B. ellipsis
  - C. check mark
  - D. arrow

3. One equation is entered in cell B1. The cell B1 is highlighted and copied over to cell B2. Then cells B1:B2 are highlighted and copied over to cells C1:C2 and D1:D2. This is the same as copying cell B1 to C1:D1 and copying B2 to C2:D2 if you prefer to think of it that way.

a.) Fill in the resulting equations

	A	B	C	D
1	4	=\$A1+A\$2		
2	2			

b.) Fill in the resulting values.

	A	B	C	D
1	4			
2	2			

4. If the formula, =B2 \* C\$3 is copied from cell B4 to C5, the resulting formula will be:

- A. =B2 \* C\$3
- B. =C4 \* C\$3
- C. =C3 \* D\$3
- D. =B3 \* D\$3

5. How many cells are in the range D5:E9?

- A. 5
- B. 10
- C. 8
- D. 12

6. Which of the following is an example of a purely relative cell reference?

- A. J4
- B. \$J4
- C. J\$4
- D. \$J\$4

7. The name of the small box or tab in the lower right corner of a spreadsheet cell that contains a formula is

- A. fill handle
- B. formula guide
- C. equation guide
- D. cell knob

8. Specify the color Yellow (full Green + Red) in hexadecimal in an HTML document using the color attribute:

color = \_\_\_\_\_

9. From largest to smallest, the correct order is
- A. megabyte, kilobyte, gigabyte, terabyte
  - B. kilobyte, megabyte, gigabyte, terabyte
  - C. terabyte, gigabyte, megabyte, kilobyte
  - D. kilobyte, megabyte, terabyte, gigabyte

10. Complete the following anchor tag that will display the UCSD Triton logo (triton\_logo.jpg) as the clickable hypertext image and when the image is clicked the browser will go to [www.ucsd.edu](http://www.ucsd.edu) – similar to Lab3 Gaga for Google – your first web page:

<a \_\_\_\_\_=" \_\_\_\_\_" > < \_\_\_\_\_ src=" \_\_\_\_\_" > < \_\_\_\_\_ >

11. Briefly describe why you would need to use the UCSD web proxy server?

12. If an array has  $n$  elements, the index of the last element will always be \_\_\_\_\_ .

13. The \_\_\_\_\_ keyword is used to declare a variable in JavaScript.

14. Fill in the blank to create a text box: <input type=" \_\_\_\_\_" > .

15. In JavaScript, local variables are declared:

- A. inside the curly braces of a function definition
- B. in the parens of a function definition
- C. after the keyword global
- D. inside the <script> </script> tags but outside any function definition

16. When recording audio with a microphone to your computer, the audio information needs to be run through a(n):

- A. TLA-to-WAV converter
- B. digital-to-analog converter
- C. MIC-to-MP3 converter
- D. analog-to-digital converter

17. When a URL ends in a folder name instead of a file name, the web server usually looks for a file called:

- A. dir.html
- B. home
- C. index.html
- D. public\_html

18. If the web server does not find the above file, what does the server do?

19. In Google, the best search to find "Sixth College" or "6th College" and not CAT would be

- A. sixth OR 6th college NOT cat
- B. "sixth AND college" OR "6th AND college" AND -CAT
- C. "sixth college" "6th college" -cat
- D. "sixth college" OR "6th college" -cat

20. ZoneAlarm is
- A. a hardware firewall
  - B. a virus
  - C. an anti-spyware program
  - D. a software firewall
21. A file with a filename extension of .ppt is a \_\_\_\_\_.
22. \_\_\_\_\_ is the term given to emails that look authentic but attempt to fraudulently acquire sensitive personal information like credit card/bank account numbers and passwords.
23. A file with a filename extension of .doc is a \_\_\_\_\_.
24. Which of the following lines is properly nested?
- A. `<h2><u><b>I Hate Finals!</h2></u></b></code>`
  - B. `<h1><i><b>I Hate Finals!</b></i></h1></code>`
  - C. `</h2></u></i>I Hate Finals!<h2><u><i></code>`
  - D. `<h1><b><i>I Hate Finals!</b></i></h1></code>`
25. You visit a web page at <http://www.rsvp.org/bb/cc/view.html> and see a cool picture. Hoping to find more pictures like that one on this site, you look at the HTML source for that page and see the picture specified in an image tag ``. What URL would be a good guess to find more pictures at this site?
26. To get the keywords of a Google search highlighted in different colors to make the found document easy to visually scan, click on the \_\_\_\_\_ link listed to the right of the URL on the search results page.
27. Input controls like buttons using the `<input>` tag are usually enclosed in
- A. `<p> </p>` tags
  - B. `<script> </script>` tags
  - C. `<form> </form>` tags
  - D. `<gui> </gui>` tags

28. Use the letters in front of the HTML parts to order the parts correctly to form a proper HTML page that correctly displays the output in the sample runs. The first and last letters/answers are given to you.

- J   A) `document.write( "You typed: " + input + "<br>" );`  
 \_\_\_\_\_ B) `</html>`  
 \_\_\_\_\_ C) `var input = prompt( "Enter your name", "" );`  
 \_\_\_\_\_ D) `<body>`  
 \_\_\_\_\_ E) `<script language="JavaScript">`  
 \_\_\_\_\_ F) `</script>`  
 \_\_\_\_\_ G) `document.write( "Hey - that is not me!" + "<br>" );`  
 \_\_\_\_\_ H) `</body>`  
 \_\_\_\_\_ I) `else`  
 \_\_\_\_\_ J) `<html>`  
 \_\_\_\_\_ K) `document.write( "Hey - that is me!" + "<br>" );`  
  B   L) `if ( input != "Rick" )`

Sample runs:

You typed: Ms. Piggy  
Hey – that is not me!

You typed: Rick  
Hey – that is me!

29. A file with a filename extension of .swf is a \_\_\_\_\_.

30. Use the letters in front of the HTML parts to order the parts correctly to form a proper web page that displays a button labeled "A" that displays a dialog box displaying "A" when the button is pressed and a text box with an initial value of "A" with both the button and text box in a form identified as "A". You will probably need to use some letters more than one time. When expressing multiple attributes in a tag, order them type-value-event handler in that order.

- |                         |              |
|-------------------------|--------------|
|                         | <u>  K  </u> |
|                         | _____        |
|                         | _____        |
| A) onClick="alert('A')" | _____        |
| B) </body>              | _____        |
| C) <form                | _____        |
| D) <body>               | _____        |
| E) value="A"            | _____        |
| F) <input               | _____        |
| G) type="text"          | _____        |
| H) </html>              | _____        |
| I) name="A"             | _____        |
| J) type="button"        | _____        |
| K) <html>               | _____        |
| L) >                    | _____        |
| M) </form>              | _____        |
|                         | <u>  H  </u> |

31. What is the output of the following JavaScript statements?

```
var a = 10;  
document.write( a + " * " + a + " = " + a + 0 + "<br>" );
```

\_\_\_\_\_

32. The hexadecimal value for white in RGB is \_\_\_\_\_.

33. Which of the following is an illegal JavaScript identifier (variable or function name):

- A. Two4SixAte
- B. two\_4\_six\_8
- C. Two468
- D. 2Four6Ate

34. \_\_\_\_\_ is the color model used in printers. These letter represent the colors

\_\_\_\_\_

35. In JavaScript, the keyword to declare a function is \_\_\_\_\_.

36. Which of the following would correctly check if a year is a leap year in JavaScript:

- A. if ( (year % 400 == 0) || ( (year % 4 == 0) && (year % 100 != 0) ) )
- B. if ( year % 4 == 0 )
- C. if ( (year % 400 != 0) || ( (year % 4 != 0) && (year % 100 == 0) ) )
- D. if ( (year % 400 == 0) && ( (year % 4 == 0) || (year % 100 != 0) ) )

37. To connect to the Internet with a wireless connection you need to communicate with a device that is physically connected to a network. This device is called a(n):
- A. Serial Ethernet
  - B. Cable modem/switch
  - C. USB port
  - D. Access Point/Hub
38. Which of the following iterates 12 times?
- A. `for (i = 0; i <= 12; i = i + 1)`
  - B. `for (i = 1; i < 12; i = i + 1)`
  - C. `for (i = 11; i >= 0; i = i - 1)`
  - D. all of the above
39. In JavaScript, the relational test, `(birth_year <= 1985) && (birth_year > 1965)`, is:
- A. true if birth\_year is 1952
  - B. false if birth\_year is 1964
  - C. false if birth\_year is 1985
  - D. none of the above
40. For an expression using a logical OR operator to evaluate to false:
- A. both conditions must be false
  - B. if the first condition is false then it does not matter what the other condition is
  - C. the first condition can be true as long as the other condition is false
  - D. all of the above
41. The shortcut for Undo is \_\_\_\_\_.
42. The shortcut for Refresh is \_\_\_\_\_.
43. A web address like <http://www.ucsd.edu/boogie.html> is known as a(n)
- A. TLA
  - B. WAN
  - C. USB
  - D. URL
44. Joining two strings together using the + is called \_\_\_\_\_.
45. When conditional expression in an `if-else` statement is false, the \_\_\_\_\_ statement(s) execute.
46. \_\_\_\_\_ are used to group several statements into a block in JavaScript.
47. List the 3 different types of list tags. \_\_\_\_\_
- (Just list the open tags like `<tag>`, not the close tags like `</tag>`.)
- List the 3 tags that are commonly used with `<table> ... </table>` tags (just the open tags)
- \_\_\_\_\_
48. In JavaScript, names and variables are not case sensitive. True or False. (Circle the correct answer.)
49. The trick in Windows XP to get the Filmstrip option available in the View menu is ...

50. The task switcher (including the enhanced Microsoft Power Toys task switcher) cycles through open applications using the key sequence:
- A. <Shift>+F5
  - B. <Ctrl>+T
  - C. <Esc>
  - D. <Alt>+Tab
51. Individual display units on the computer screen are called \_\_\_\_\_.
52. A number like 132.239.51.3 is called:
- A. IP address
  - B. domain name
  - C. TLA
  - D. overseas telephone number
53. <Shift>+Select is used to select/deselect \_\_\_\_\_ elements while  
<Ctrl>+Select is used to select/deselect \_\_\_\_\_ element.
54. GUI is short for \_\_\_\_\_.
55. \_\_\_\_\_ is the term commonly used to refer to values represented in base 2.
56. The protocol used on the Internet to ensure all packets are received and assembled in the correct order:
- A. DHCP
  - B. TCP/IP
  - C. XML
  - D. SSL
57. A continuous waveform or signal is an example of:
- A. ASCII
  - B. Analog
  - C. Unicode
  - D. Digital
58. The shortcut for cut is \_\_\_\_\_.
59. When a button is clicked, the browser:
- A. looks for an onClick event handler
  - B. looks for the JavaScript program to download
  - C. creates the button for the program
  - D. none of the above
60. There are \_\_\_\_\_ bits in a byte.
61. The \_\_\_\_\_ tag is used to place a line horizontally across a Web page.
62. The \_\_\_\_\_ tag is used to bold text.

63. In the line, `document.ccc.aaa.kkk="foo"` the form is \_\_\_\_\_, the input element is \_\_\_\_\_, and \_\_\_\_\_ is its attribute.
64. \_\_\_\_\_ is a function used in JavaScript to produce pseudo-random numbers.
65. Which of the following is an ISP?  
A. AT&T – with DSL  
B. Time Warner Cable – with RoadRunner  
C. UCSD – using dial-up to the campus modem pool  
D. All of the above
66. The \_\_\_\_\_ HTML tag is used to move to the next line or create a blank line on an HTML page.
67. Write a **for** loop that executes the statement `alert( i );` four times displaying odd values with the first value of *i* displayed in the alert dialog box being the value 7 and the last value displayed being the value 1.
68. The HTML tag to produce a non-breaking space in the displayed text is \_\_\_\_\_.
69. A number like 05-4F-1F-28-D8-9E that uniquely identifies a network device is called a physical address or \_\_\_\_\_ address which stands for \_\_\_\_\_.
70. Which value is most likely to represent dark gray:  
A. #55CC55  
B. #555555  
C. #CC55CC  
D. #CCCCCC
71. To output a greater-than sign in HTML you need to use  
A. >  
B. <gt;  
C. &gt;  
D. &>;
72. The index of the first element in an array is always \_\_\_\_\_.
73. A `false` outcome for the termination test in a **for** loop means:  
A. continue the loop until the outcome is true  
B. loop one more time then terminate the loop  
C. do not enter the loop even if this is the first time performing this test  
D. terminate the program

74. For the statement below, which of the following is true?

```
for (j = n; j > n; j--) { ... }
```

- A. the loop stops after n+1 iterations
- B. the loop body never executes
- C. the loop stops after n iterations
- D. all of the above

75. Smiley faces and all their variations are called:

- A. graphic design
- B. emoticons
- C. rotflol
- D. unrealistically optimistic emotional outbursts

76. Which of the following compression schemes is lossy:

- A. JPEG
- B. MP3
- C. MPEG
- D. all of the above

77. The short cut to create a new tab in Firefox and IE7 is \_\_\_\_\_.

78. To get a delay of a half a second, you need to set the `setTimeout()` function delay parameter to:

- A. 5
- B. 500
- C. 5000
- D. 0.5

79. KB is short for \_\_\_\_\_.

80. GB is short for \_\_\_\_\_.

81. HTML tags are case sensitive. True or False?

- A. True
- B. False

82. To specify a color for some text in an HTML file, you would use the color attribute in a \_\_\_\_\_ tag.

83. Write the full HTML code to have the browser display

I  
**Loved**  
**CSE 3**  
*this* quarter.

(NOTE THE FORMATTING – "Loved" and "CSE 3" are bold, "this" is italics, "Loved" is underlined, CSE 3 is not explicitly underlined but is a hypertext link to your UCSD home page) centered in the web page and the string "This HTML programming is not so hard!" displayed in title bar of the browser.

84. List 3 things you learned in this class that you felt were significantly useful/important/relevant to becoming fluent with Information Technology and **why**. You must state why to get points.

1)

2)

3)

85. Of all the things we covered in Class this quarter, what 2 things would you throw out, and what would you replace them with (topics we did not cover or more detailed coverage of specific topics or ...) and **why**? You cannot throw out Quizzes and Exams. :-)

1)

2)

86. Of all the Lab Projects we did in Lab Section this quarter, what 1 lab or part of a lab would you throw out, and what would you replace it with and **why**?

87. If you were writing this exam, what 2 serious questions would you ask that are not already on this exam?

1)

2)

## Scratch Paper

## Scratch Paper