

cs3f _____

Name _____

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CSE 3
Final
Fall 2007

Page 1 _____ (17 points)

Page 2 _____ (15 points)

Page 3 _____ (19 points)

Page 4 _____ (27 points)

Page 5 _____ (18 points)

Page 6 _____ (14 points)

Page 7 _____ (18 points)

Page 8 _____ (12 points)

Page 9 _____ (20 points)

Page 10 _____ (6 points)

Total _____ (166 points = 158 base points + 8 points EC [5%])

1. The Undo shortcut is _____ .
2. Something that looks like 128.54.33.107 is called a(n):
 - A. CMYK color specification
 - B. URL
 - C. IP address
 - D. domain name

3. Two equations are entered in cells B1 and B2.
The range B1:B2 is highlighted and copied over to cells C1:C2 and D1:D2.

a.) Fill in the resulting equations

	A	B	C	D	E
1	3	=A\$1+A2			
2	1	=A1+\$B1			

b.) Fill in the resulting values.

	A	B	C	D	E
1	3				
2	1				

4. If the formula, =A\$4 * .0775 is copied from cell B5 to C6, the resulting formula will be:
 - A. =B\$4 * .0775
 - B. =B\$5 * .0775
 - C. =C\$5 * .0775
 - D. =C\$6 * .0775

5. How many cells are in the range B2:D8?
 - A. 15
 - B. 14
 - C. 21
 - D. 19

6. Which of the following is a completely absolute cell reference?
 - A. J4
 - B. \$J4
 - C. J\$4
 - D. \$J\$4

7. Which of the following is a valid range of cells?
 - A. D1:G4
 - B. 3C:5D
 - C. A1-E1
 - D. all of the above

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

color = _____

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

10. Complete the following anchor tag that will display the Google logo (google_logo.gif) as the clickable hypertext image and when the image is clicked the browser will go to www.google.com – just like in 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. An 8-bit sequence of memory in the computer is called a(n) _____ .

13. The _____ tag is a way to get more than one consecutive space in a line on a web page.

14. In an HTML tag like <hr width="50%">, the width part is called a(n) _____ .

15. In JavaScript, global variables are declared:

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

16. When playing a CD to your speakers, the stored sound information needs to be run through a(n):

- A. analog-to-digital converter
- B. CD-to-DVD converter
- C. digital-to-analog converter
- D. MP3-to-WAV 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. public_html
- B. dir.html
- C. home
- D. index.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" and best or first and not last would be

- A. "sixth college" best OR first NOT last
- B. sixth college best OR first NOT last
- C. "sixth college" AND best first AND -last
- D. "sixth college" best OR first -last

20. ZoneAlarm is
- a hardware firewall
 - a virus
 - a software firewall
 - an anti-spyware program
21. The name of the program we primarily used in lab to transfer files to your web server: _____.
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. What is the HTML tag to specify more than one HTML source file is to be displayed in a single browser window, either side-by-side or above each other?
24. Which of the following lines is properly nested?
- `<p><i>I Hate Finals!</i></p>`
 - `<p><i>I Hate Finals!</i></p>`
 - `<p><u>I Hate Finals!</p></u>`
 - `</p></u></i>I Hate Finals!<p><u><i>`
25. You visit a web page at <http://www.asap.com/xxx/yyy/zzz/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 pics 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
- `<p> </p>` tags
 - `<script> </script>` tags
 - `<form> </form>` tags
 - `<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 + "
");`
- _____ B) `</html>`
- _____ C) `</body>`
- _____ D) `else`
- _____ E) `<body>`
- _____ F) `<script language="JavaScript">`
- _____ G) `var input = prompt("Enter something", "");`
- _____ H) `</script>`
- _____ I) `document.write("You are too <u>literal</u>!" + "
");`
- _____ J) `<html>`
- _____ K) `if (input == "something")`
- B L) `document.write("I said enter something
... literally!" + "
");`

Sample run 1:

You typed: something
You are too literal!

Sample run 2:

You typed: boogie
I said enter **something**
... literally!

29. A file with a filename extension of .exe is a(n) _____.

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 "C" that displays a dialog box displaying "C" when the button is pressed and a text box with an initial value of "C" with both the button and text box in a form identified as "C". 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) <body> | _____ |
| B) value="C" | _____ |
| C) <input | _____ |
| D) type="text" | _____ |
| E) onClick="alert('C')" | _____ |
| F) </body> | _____ |
| G) <form | _____ |
| H) </html> | _____ |
| I) name="C" | _____ |
| J) type="button" | _____ |
| K) <html> | _____ |
| L) </form> | _____ |
| M) > | _____ |
| | <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. 2Four6Ate
- B. Two4SixAte
- C. two_4_six_8
- D. Two468

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 % 400 == 0) || ((year % 4 == 0) && (year % 100 != 0)))
- C. if (year % 4 == 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 = 12; i > 0; i = i - 1)`
- B. `for (i = 1; i < 12; i = i + 1)`
- C. `for (i = 1; i <= 13; i = i + 1)`
- D. all of the above

39. In JavaScript, the relational test, `(birth_year > 1985) || (birth_year < 1965)`, is:

- A. false if birth_year is 1952
- B. false if birth_year is 1944
- C. false if birth_year is 1969
- D. none of the above

40. For an expression using a logical OR operator to evaluate to true:

- A. the first condition can be false as long as the other condition is true
- B. both conditions may be true
- C. if the first condition is true then it does not matter what the other condition is
- D. all of the above

41. The shortcut <Ctrl>+P is for _____.

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 the conditional expression in an `if-else` statement is false, the _____ statement(s) execute.

46. _____ are used to group several statements into a block.

47. List the 6 Relational Operators used in comparison/conditional statements.

48. In JavaScript, names and variables are case sensitive. True or False. (Circle the correct answer.)

49. What key sequence will take a screen shot of the currently selected window (make a bit-map copy into the clipboard) so you can paste a copy of that window image into a document or application like paint?

50. The task switcher cycles through open applications using the key sequence _____
51. A grid of rows and columns can be created using the:
- A. <row> and <column> tags
 - B. <table> tag
 - C. <grid> tag
 - D. all of the above
52. Text boxes are used for:
- A. holding buttons
 - B. input
 - C. output
 - D. both B & C
53. <Ctrl>+Select is used to select/deselect _____ elements while
<Shift>+Select is used to select/deselect _____ element.
54. A variable declared inside a function is called a _____ variable.
55. A variable declared outside a function is called a _____ variable.
56. The first tag of a Web page is:
- A. <script>
 - B. <head>
 - C. <top>
 - D. <html>
57. Most of the content of a Web page goes inside the:
- A. <page> tag
 - B. <head> tag
 - C. <body> tag
 - D. <content> tag
58. The <p> tag is used to:
- A. load a page
 - B. insert a picture
 - C. print a page
 - D. insert a paragraph
59. When a button is clicked, the browser:
- A. creates the button for the program
 - B. looks for an onClick event handler
 - C. looks for the JavaScript program to download
 - D. none of the above
60. A common 8-bit image file name extension is _____
61. A common 24-bit image file name extension is _____.
62. The _____ tag is used to place a line horizontally across a Web page.

63. In the line, `document.bbb.fff.nnn="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. UCSD – using dial-up to the campus modem pool
B. AT&T – with DSL
C. Time Warner Cable – with RoadRunner
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);` three times displaying even values with the first value of `i` displayed in the alert dialog box being the value 8 and the last value displayed being the value 4.
68. The small box in the lower right corner of a selected spreadsheet cell (or range of cells) is called the _____.
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 light 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. >
D. &>;
72. The index of the first element in an array is always _____.
73. A `true` outcome for the termination test in a **for** loop means:
A. terminate the program
B. continue the loop until the outcome is false
C. loop one more time then terminate the loop
D. do not enter the loop even if this is the first time performing this test

74. In the following line: `var rows = new Array(5);`
- A. the array will have five items
 - B. the last item in the array will be `rows[4]`
 - C. the first item in the array will be `rows[0]`
 - D. all of the above
75. If we want to cycle/loop through an array of 15 elements such that when we get to the end we start indexing back at the beginning of the array again, we would use which expression to set the index variable each time in the loop:
- A. `index = (index + 1) % 15;`
 - B. `index = (index + 1) / 15;`
 - C. `index = (index + 1);`
 - D. `index = 0;`
76. CD-quality sound is digitized at _____ KHz.
77. What is the name of the graphic viewer/editor for PCs I recommended in class _____.
78. What is Rick's favorite cooking show?
79. The number of frames per second that is usually displayed in an animation so the human eye does not detect flicker of individual images being displayed is _____.
80. To get the browser to delay 2 seconds, you need to set the `setTimeout()` function delay parameter to:
- A. 2
 - B. 200
 - C. 2000
 - D. .2
81. _____ is the AND logical operator in JavaScript.
82. _____ is the OR logical operator in JavaScript.
83. Which of the following can be used as part of a variable name?
- A. () parentheses
 - B. - hyphen
 - C. ␣ (space)
 - D. _ underscore
84. Which of the following is not a table tag?
- A. `<tbl>`
 - B. `<th>`
 - C. `<td>`
 - D. `<tr>`
85. MPEG works by using JPEG compression on each frame and:
- A. completely eliminated every 3rd frame (thus the name MP3 as the most popular type of MPEG)
 - B. converting all the bits to hexadecimal (since 4 bits can be represented as 1 hexadecimal digit)
 - C. recording the audio in a separate file (thus reducing the size of the MPEG file)
 - D. tracking changes between frames (thus recording only these changes)

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

I
Loved
CSE 3
Fall 2007

(NOTE THE FORMATTING – "Loved" and "CSE 3" are bold, "Fall 2007" is italics, "Loved" is underlined, "CSE 3" is not explicitly underlined but is a hypertext link to [your UCSD home page](#)), all centered in the web page and the string "This HTML programming is FUN!" displayed in title bar of the browser.

87. List 2 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)

88. Of all the things we covered in Class this quarter, what 1 thing would you throw out, and what would you replace it with (topics we did not cover or more detailed coverage of specific topics or ...) and **why**? You cannot throw out Quizzes and Exams. :-)

89. 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**?

90. 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