

CIS 228 (Fall, 2012)

Exam 2, 11/20/12

Name (sign) _____

Name (print) _____

email _____

Question	Score
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
TOTAL	

Question 1

True or false:

- ___ Unordered lists *can* contain ordered sub-lists.
- ___ Images *cannot* be used as labels for hyperlinks.
- ___ The columns of a table *cannot* be specified by the **tc** element.
- ___ In CSS, URL's are *not* specified using the “href” attribute.
- ___ In HTML 5, the **meta** element *must* be the first child of a **head** element.
- ___ Table data, **td**, elements *cannot* contain **table** elements.
- ___ In HTML 5, **section** elements *are* optional.
- ___ The **th** element can *only* be used to provide headings for the columns of a table.
- ___ Every **table** element *must* contain a **caption** element.
- ___ The **div** element is *not* used to group block elements.
- ___ An **a** element *cannot* have another **a** element embedded within it.
- ___ A **li** element *cannot* have a **form** element embedded within it.

Question 2

Indicate which of the following tasks could be best accomplished using HTML or CSS.

- _____ Allow multiple values to be selected from a pull down menu.
- _____ Specify a background image for an article.
- _____ Specify that the elements of a list should be numbered using capital letters.
- _____ Specify a label for an input element of a form.
- _____ Create a hyperlink to another file.
- _____ Cause an element to float to the left edge of a browser window.
- _____ Make row or column headings in a table.
- _____ Group consecutive block elements so that they can be styled as a unit.
- _____ Specify that the borders around consecutive cells in a table be fused together.
- _____ Specify the width of a paragraph element.

Question 3

Indicate which of the following identifiers is the name of

C – an HTML character entity,

E – an HTML element,

A – an HTML attribute, or

P – a CSS property. (Hint: some may get more than one letter.)

___ nav

___ margin

___ video

___ img

___ <

___ src

___ position

___ option

___ background-image

___ class

Question 4

Fill in the blanks with the name of an HTML element that could be an immediate child of the element named on its right and could be the immediate parent of the element on its left. Put an X in any blank that no element could fit.

Example: html body p img X

 meta

 article

 caption

 br

 span strong

 option

 tr table

 li li

 title

Question 5

The following diagram indicated the layout of a collection of files and directories (folders).

```
ROOT
|
|--index.html
|
|--index.css
|
|--IMAGES
|  |
|  |--merge.jpg
|  |
|  |--rats.png
|  |
|  |--THUMBNAIIS
|  |  |
|  |  |--shoe.gif
|
|--PAPERS
|  |
|  |--sorting.html
|
|--CLASSES
|  |
|  |--cis228.html
|  |
|  |--cmp338.html
```

- A) In `index.html`, create a hyperlink to `cis228.html` with "CIS 228" as its label.

- B) In `sorting.html`, attach `index.css` as a stylesheet.

- C) In `index.css`, write a rule that causes `rats.png` to be used as a background image.

- D) In `index.css`, write a rule that causes `shoe.gif` to be used as bullets in unordered lists.

- E) In `cmp338.html`, create a hyperlink to `sorting.html` with `merge.jpg` as its label.

Question 6

For each of the CSS selectors below, show its “specificity tuple” and describe the HTML elements that would be displayed in red if it were used in the following rule:

_____ { color : red ; }

- a) **ol**
- b) **article h2**
- c) **p.news**
- d) **section#biography**
- e) **aside li q**
- f) **a#headquarters:visited**
- g) **li.movie p strong.oscar**
- h) **p#book > span.author**
- i) **blockquote + h3**
- j) **table#population th.country em**

Question 7

Write a complete HTML 5 page that displays as follows.

Reading list

- 1) Twain: “*Tom Sawyer*”
- 2) Shakespeare:
 - “*Romeo and Juliet*”
 - “*Midsummer Night's Dream*”
- 3) Pynchon: “*Gravity's Rainbow*”

Question 8

Write the HTML elements to create approximately the following table. (Don't worry about styling it.)

Score

	red	black				
odd	4	-2				
even	-2	<table border="1"><tr><td>day</td><td>5</td></tr><tr><td>nite</td><td>2</td></tr></table>	day	5	nite	2
day	5					
nite	2					

Question 9

Create an order form for a furniture store. The form will be processed by the “/applications/order.php” script at the “www.furniture.com” domain. Be sure to include a button that will cause the form to be submitted. Remember that the browser will transform a completed form into a sequence of name-value pairs and submit them to the application. The names for this form are listed in *italic* and described below. You don't need to specify a complete web-page, just the form. Don't worry about styling the form. But, do make sure that the user has enough information to fill it out.

item: use a menu to allow selection of “table”, “chair”, “desk”, or “bookcase”.

address: space for up to 4 lines of text 60 columns wide.

card: either “MasterCard” or “Visa”.

number: space for a credit card number (disguise the characters as they are typed).

