Topics Covered On Exam #1

- XHTML
- Cascading Style Sheets
- Advanced XHTML & CSS – Tables & Forms, Audio & Video
- CSS-P
- Web Page Layouts – 5 different layouts
- The JavaScript material will not appear on this exam.
Structure of the Exam

• The exam will consist mostly of multiple choice and true/false questions. Anticipate between 20-25 questions of this type. (Approximately 75-80% of the total points are allocated to this type of problem.)

• There will be 2-3 short answer/description questions.

• You will be required to write a short section of XHTML markup with CSS.
Sample Questions

1. XHTML is a markup language based on XML. True   False

2. An XHTML document can contain any number of root elements. True   False

3. In XHTML every element must have a start tag and an end tag. There are no exceptions to the rule. True   False

4. CSS is used together with XHTML to separate the content from the presentation of a document. True   False

5. Does the following XHTML cause the word “this” to appear in blue? True   False

<p>Markup<span color:”blue”>this</span> text.</p>
Sample Questions (cont.)

6. If the style of the `<p>` element is defined in an external style sheet and within a document another style is defined for the `<p>` element, which one will be used to present the document?

   a) The one in the external style sheet.
   b) The one in the document.
   c) Neither of them will be used.

7. Does the following XHTML cause the word “this” to appear in a bold typeface?  True  False

   `<p>Markup<b>this</b>text.</p>`
8. What’s wrong with the following XHTML markup?

```html
<p><b>This line contains an error.</b></p>
```

9. The following XHTML would center the header?  YES  NO

```html
<h1 style="text-align:center">HEADER</h1>
```

10. Which is closer to the content in the box model?

   a) margin
   b) border
   c) padding
Sample Questions (cont.)

11. Elements which are absolutely positioned are rendered

   (a) using normal flow

   (b) outside of normal flow

12. The \texttt{z-index} property is used to:

   (a) catch up on your sleep

   (b) modify the stacking order of elements

   (c) select the tab order of elements in a form
Sample Questions (cont.)

11. Elements which are absolutely positioned are rendered

   (a) using normal flow
   (b) outside of normal flow

12. The \texttt{z-index} property is used to:

   (a) catch up on your sleep
   (b) modify the stacking order of elements
   (c) select the tab order of elements in a form
13. Construct the XHTML document that when rendered by a browser would produce the following output. Use an internal style sheet for this problem.

```
Shopping List

Don't forget the following:

• 3-4 Large tomatoes
• 2 - Red bell peppers
• 2 - Eggplant
• 1 pound Italian sausage
```
Sample Questions (cont.)

```xml
<?xml version="1.0" encoding="UTF-8" standalone="no"?><!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd"><html xmlns="http://www.w3.org/1999/xhtml" />
```
14. Construct the XHTML document that when rendered by a browser would produce the following output. Use an external style sheet for this problem. Do not use absolute positioning.
15. Construct the XHTML document that when rendered by a browser would produce the following output. Use an external style sheet for this problem. Do not use absolute positioning.
16. Create the CSS that would cause the XHTML document on the next page to render as shown on the right.
1. XHTML is a markup language based on XML.  True

2. An XHTML document can contain any number of root elements.  False

3. In XHTML every element must have a start tag and an end tag. There are no exceptions to the rule. False (empty tags!)

4. CSS is used together with XHTML to separate the content from the presentation of a document.  True

5. Does the following XHTML cause the word “this” to appear in blue?  False (<span style="color:blue">)</n
<p>Markup<span color:”blue”>this</span> text.</p>
Solutions (cont.)

6. If the style of the `<p>` element is defined in an external style sheet and within a document another style is defined for the `<p>` element, which one will be used to present the document?
   a) The one in the external style sheet.
   b) The one in the document.
   c) Neither of them will be used.

7. Does the following XHTML cause the word “this” to appear in a bold typeface? True
   
   `<p>Markup<b>this</b>text.</p>`
8. What’s wrong with the following XHTML markup?

<p><b>This line contains and error.</b></p>

Improperly nested elements.

9. The following XTHML would center the header? YES

<h1 style="text-align:center">HEADER</h1>

10. Which is closer to the content in the box model?

a) margin
b) border
c) padding
11. Elements which are absolutely positioned are rendered
   (a) using normal flow
   (b) outside of normal flow

12. The \texttt{z-index} property is used to:
   (a) catch up on your sleep
   (b) modify the stacking order of elements
   (c) select the tab order of elements in a form
<html xmlns="http://www.w3.org/1999/xhtml">
  <head>
    <style type="text/css">
      h1 { border: 1px solid black; text-align: center; }
      p { border: 1px solid black; }
      ul { border: 1px solid black; }
      li { border: 1px solid black; }
    </style>
    <title>Exam 1 Review Question 13</title>
  </head>
  <body>
    <h1>Shopping List</h1>
    <p><strong>Don't</strong> forget the following:</p>
    <ul>
      <li>3-4 Large tomatoes</li>
      <li>2 - Red bell peppers</li>
      <li>2 - Eggplant</li>
      <li>1 pound Italian sausage</li>
    </ul>
  </body>
</html>
<?xml version="1.0" encoding="UTF-8" standalone="no" ?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
  "http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
  <!-- This is the header section -->
  <head>
    <title>Exam 1 Review - Question 14</title>
    <link rel="stylesheet" href="reviewproblem14.css" type="text/css"/>
  </head>
  <!-- This is the body of the document -->
  <body>
    <div id="box4">Box 4</div>
    <div id="box3">Box 3</div>
    <div id="box2">Box 2</div>
    <div id="box1">Box 1</div>
    <div id="box0">Box 0</div>
  </body>
</html>
/* stylesheet for Exam 1 Review Problem 14 */

#box4 { width: 100px; 
    height: 100px; 
    border: 1px solid yellow; 
    background-color: yellow; 
    margin: 5px; 
    float: left; 
}

#box3 { width: 100px; 
    height: 100px; 
    border: 1px solid red; 
    background-color: red; 
    margin: 5px; 
    float: left; 
    clear: left; 
}

#box2 { width: 100px; 
    height: 100px; 
    border: 1px solid blue; 
    background-color: blue; 
    margin: 5px; 
    float: left; 
    clear: left; 
}

#box1 { width: 100px; 
    height: 100px; 
    border: 1px solid green; 
    background-color: green; 
    margin: 5px; 
    float: left; 
}

#box0 { width: 100px; 
    height: 100px; 
    border: 1px solid purple; 
    background-color: purple; 
    margin: 5px; 
    float: left; 
    color: white; 
}

div { text-align: center; } 

body { background-color: black; }
<?xml version="1.0" encoding="UTF-8" standalone="no" ?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
  <!-- This is the header section -->
  <head>
    <title>Exam 1 Review Question 15</title>
    <link rel="stylesheet" href="reviewproblem15.css" type="text/css"/>
  </head>
  <!-- This is the body of the document -->
  <body>
    <div id="box4">Box 4</div>
    <div id="box3">Box 3</div>
    <div id="box2">Box 2</div>
    <div id="box1">Box 1</div>
    <div id="box0">Box 0</div>
  </body>
</html>
/* stylesheet for Exam 1 Review Problem 15 */

#box4 {width: 100px;
height: 100px;
border: 1px solid yellow;
background-color: yellow;
float: left;
}

#box3 {width: 100px;
height: 100px;
border: 1px solid red;
background-color: red;
position: relative;
left: 102px;
top: -102px;
clear: left;
}

#box2 {width: 100px;
height: 100px;
border: 1px solid blue;
background-color: blue;
float: left;
position: relative;
left: 51px;
top: -102px;
}

div {text-align: center;
}

body {background-color: black;
/* CSS for Exam 1 Review Question 16 */

#box3 {width: 100px;
  height: 100px;
  background-color: yellow;
  float: left;
}

#box2 {width: 100px;
  height: 100px;
  background-color: red;
  position: relative;
  float: left;
  left: 220px;
}

#box1 {width: 100px;
  height: 100px;
  background-color: blue;
  float: left;
  position: relative;
}

div {text-align: center; margin: 5px;}

body {background-color: black;