Name:_____   ID:_____   Signature: _____

İSTANBUL TECHNICAL UNIVERSITY

Department of Computer Engineering

BLG103E – Introduction to Information Systems – Fall 2014

Quiz 2 Question & Answer Sheet

Duration: 40 minutes.

Rules: - <u>Not</u> open-book. No extra notes or papers are allowed.

- Cellphones must be put away. Calculators are not allowed.

QUIZ 2

1.

Draw, in the box on the right, the formatted (browser-drawn) output from the HTML on the left:

```
<html>
 <head>
  <title>Hello</title>
  <style type="text/css">
       div{
            float: left;
            width: 20%;
       }
       h1{
            border: 5pt solid;
       }
  </style>
 </head>
 <body>
  <h1>A nice document</h1>
  <div>
   A nice<br/>box.
  </div>
  <p>Some nice words.<p>
 </body>
</html>
```

Title bar:

Page Content:

2.

Expand the following acronyms:

HTML: _____

CSS: _____

WYSIWYG: _____

WYSIWYM: _____

3.

Select the ways in which a browser can learn that characters are encoded in UTF-8 in HTML sent to it over the internet:

☐ From the file extension.

☐ With the code `\usepackage{utf8}.`

☐ With the code `str(text).`

☐ With the MIME type converted from hexadecimal.

☐ With the code `import utf8.`

☐ With the code `<link rel="utf-8" />.`

☐ With the code `<meta charset="utf-8 />.`

☐ From the HTTP headers (sent from web server).

You can choose more than one answer (but wrong answers lose marks).

4.

Give an example, in HTML, of:

A paragraph element:

_____

A paragraph tag:

_____

A list item element nested inside an unordered list element:

_____

An image tag (specifying image URL):

_____

5.

Complete the character encoding table:

Character	ASCII (hexadecimal)	HTML entity (by decimal)	HTML entity (by name)
Y	0x59	Y	
Z			
1	0x31		
	0x32		
<	0x3C	<	
&	0x26	&	&

6.

Complete the table of suitable file types and open-source editing programs for certain kinds of images:

IMAGE TYPE	FILE TYPES	PROGRAM
Photograph		
Line drawing		
Logo		

7.

In *Inkscape*, in order to rotate an object 45 degrees I would use the:

◯ Object Properties Dialogue.

◯ Node Editor.

◯ Circle Tool.

◯ Transform Tool.

◯ Flip Button.

◯ Put On Path Button.

Select only one option.

8.

What will be shown when the following Python expression is evaluated in a Python interpreter:

```
str(5+3) + str(15/2)
```

_____

9.

Assuming that each of the programs on the left is a **full** Python program:

(1) tick the box (2nd column) if it will generate an error if run,

(2) give the kind of error, and

(3) circle the line of code that caused the error.

Program	Error ?	Error Type (if Error)
a = 2 + "6"	☐	
c = 2**2 d = c**c	☐	
e = 2 + 6 g = f + 6	☐	
h = 1 i + 2 = 6	☐	

10.

Which of the following are name-value pairs?

☐ CSS properties.

☐ CSS selectors.

☐ HTML elements and tags.

☐ HTML attributes.

☐ Python loops.

You can choose more than one answer (but wrong answers lose marks).

11.

Which statement is true? Bottle is a Python module that is used to:

◯ Save and load data from disk.

◯ Allow the writing of a web application.

◯ Convert text into HTML.

◯ Connect to web services and applications.

Select only one option.