

T-106.4300 Web Software Development : Exam

Exam date: August 27, 2012

- All answers should easily fit on a single answer sheet.
- Write on each paper your name, your student number including any checking characters, the code and name of this course, examination hall, date, the number of papers returned and your signature.
- Return all papers, including scratch papers.
- If the question number is followed by an asterisk *, you should select all options that apply. If there is no asterisk, select only one.
- All questions except 12 are worth one point. Some are easier, some are harder.
- No additional material allowed.

Questions

HTML & CSS

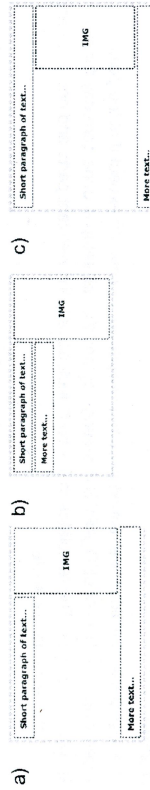
1. For the following fragment of HTML

```
<div>
<p id="first">Short paragraph of text...</p>

<p id="second">More text...</p>
</div>
```

```
and CSS style definition
img { float: right; }
#second { clear: both; }
```

Which of the following best describes the resulting layout?



2. The following CSS style definition

```
p i {
font-style: italic;
}
```

makes the text italic in:

- all paragraph elements
- all paragraph elements that include an *i* element
- all *i* elements that are anywhere inside any *p* element
- all *i* elements that are located immediately after any *p* element

3. Explain briefly the different (a-e) parts of the URL:

```
http://www.example.org:801/foob?bar=32
--a- -----b-----c- -d- -e---
```

Python

4. What will the code print?

```
a = {'name': 'Petri', 'passwd': 'secret'}
print a['passwd']
```

- name
- Petri
- passwd
- secret
- None

JavaScript & jQuery

5. Which of the following specify a function that will return a number?

- function myFunction() { return 3; }
- public Number function myFunction() { return 3; }
- var myFunction = function() { return 3; }
- Number function myFunction() { return 3; }

6. With jQuery, the easiest way to load new HTML content from URL /products/2/ and replace element's (id examplediv) content is:

- jQuery("#examplediv").update("/products/2/");
- jQuery("#examplediv").load("/products/2/");
- jQuery().get("/products/2/").update("#examplediv");
- jQuery().get("/products/2/").html("#examplediv");

7. A click event handler myEventHandler in jQuery is attached to an element with code \$("#myButton").click(myEventHandler); When the event is fired and the function myEventHandler called, what will this refer to inside the function?

- to the window object
- to the DOM element which fired the event
- to the global jQuery object
- to the jQuery object corresponding to the DOM element which fired the event