Course No: MUL 4323
Course Title: Interactive Multimedia Application Development 2
Date: 28/05/2014
No. of Questions: (3)
Time: 2 hours
Using Calculator (No)

University of Palestine

Final Exam
Spring 2013/2014
Total Grade: 50

Instructor Name: Dr. Said Marouf
Student No.: _____
Student Name: _____
College Name: _____
Dep. / Specialist: _____
Using Dictionary (No)

Question One: 10 Points

Specify whether the following statements are true or false:

#	Statement	T/F
1	`$('.error')` selects all elements with an id = error.	
2	Including jQuery via Google's Content Delivery Network is faster and more reliable than direct linking.	
3	Web Storage is usually limited to 5MB.	
4	The following statements are equivalent: - `jQuery('p')` - `$('p')`	
5	`$('div p')` will select all `div` elements and all paragraph elements within a webpage.	
6	CSS values returned from jQuery are the CSS values defined within your CSS code.	
7	The 3 types of CSS selectors are: HTML selectors, Class selectors, and ID selectors.	
8	Browser sniffing should be avoided as much as possible. We should check if the browser supports a feature instead.	
9	A canvas is a circular area on a webpage. It also has a gray background by default.	
10	Animations within canvas on Google Chrome are achieved using `window.webkitRequestAnimationFrame`	

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Question Two: 30 Points

Write the necessary code for the following:

a) **[5 Points]** Using Web Storage (`sessionStorage`), store the information for the following item.
Use JavaScript objects and JSON to do so appropriately.
You must also check if the browser supports Web Storage.
<u>Note:</u> Only show the necessary JavaScript code. Do not write any HTML.

	Name	**Age**	**GPA**
Student	Mousa	22	92

b) **[5 Points]** Using jQuery, show the code for changing the font color of all paragraph elements within all `table` elements of a webpage to `#222`
Make sure to use the jQuery ready function!

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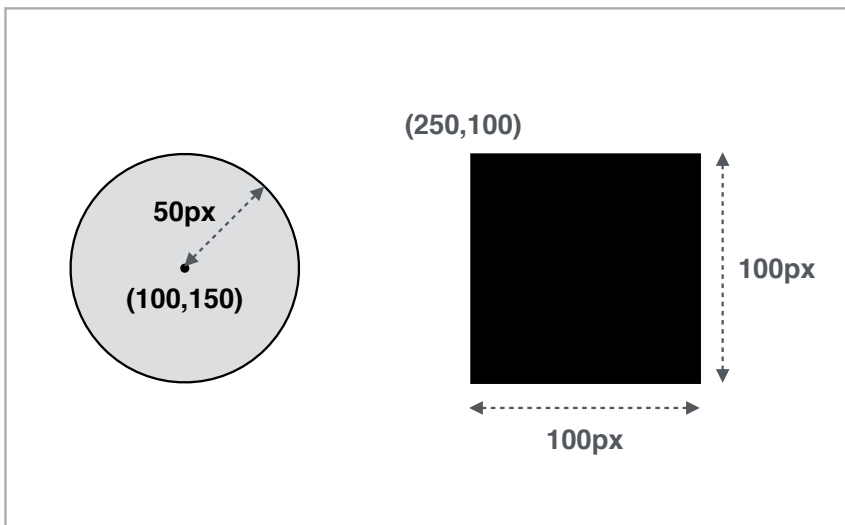**Dep. / Specialist: _____**
Using Dictionary (No)

c) [10 Points] Using HTML5 & jQuery, create a web page that includes the following:
   - An input to enter a username. This is required.
   - An input to enter a password. This is required.
   - An input to verify the entered password. This is required.
   - A button titled "Purchase".
   - Using jQuery add a click event onto the button. When the button is clicked, it will read the value of the password and password verification inputs. If they are not equal, an alert should be shown to the user that says "Passwords do not match".

You must show all HTML and jQuery script for creating the web page.

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d) [10 Points] Using `canvas`, write the JavaScript code to draw the contents of the following canvas.
Assume the canvas `id = myCanvas`
Make sure to use the exact dimensions and coordinates as shown in the figure.
The circle fill color = #eee, stroke color = #000
The square fill color is #000

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Question Three: 10 Points

Answer the following questions

a) **[4 Points]** List and compare between the 2 formats of jQuery.

b) **[2 Points]** Explain what the following code does.

```
$('#tasks tr:even').removeClass('done');
```

c) **[2 Points]** The following code includes 2 statements.
Each statement adds a CSS style to the table element. Rewrite the code using object literals.
Your code should only have 1 statement.

```
$('table').css('background-color', '#dddddd');
$('table').css('color', '#666666');
```

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d) [2 Points] For the following JavaScript statement, write the equivalent jQuery code.

```
var a = document.getElementById('title');
```

End of Questions
Good Luck