

Question 1 (6 Marks):

State whether each of the following is T (True) or F (False):

1. ☐ T ☒ F
If there is a CSS rule "p {font-size: 14px}" as embedded style, and there is a CSS rule "<p style='font-size: 12px'>" as inline style, then the font-size of the text in a paragraph will be 14px. false
2. ☒ T ☐ F
In XHTML, all values of attributes have to be surrounded by quotes.
3. ☐ T ☒ F
Meta elements are visible to users and must be placed inside the body section of your XHTML document. no
4. ☒ T ☐ F
DOCTYPE declaration is a mandatory part of a standard XHTML document.
5. ☒ T ☐ F
The idea behind CSS is to separate the web content from the presentation.
6. ☐ T ☒ F
In the CSS, multiple property declarations are separated by comma. comma

(Marks): Determine whether the following statements are True or False?

- ☐ T ☐ F] You should use the JavaScript **var** keyword to declare a variable in a function parameter.
- ☐ T ☐ F] Placing a semicolon immediately to the right of the right parenthesis of the header of a **for statement** makes the body of that for statement an empty statement. This code is normally a logic error.
- ☐ T ☐ F] Including the **width** and the **height** attributes in an **** tag can result in the browser loading and rendering the pages faster.
- ☐ T ☐ F] Using the assignment operator (**=**) instead of the equality operator (**==**) when there is need to compare values of two variables is a syntax error.
- ☐ T ☐ F] In **do...while** control structure you can guarantee that the body of the **do** statement will be executed at least once.

(Marks): Choose the correct answers for the following questions:

One of the following is a correct way to create a JavaScript array with 3 items?

- a. `var txt = new Array="tim","kim","jim"`
- b. `var txt = new Array("tim","kim","jim")`
- c. `var txt = new Array:1=("tim")2=("kim")3=("jim")`
- d. `var txt = new Array(1:"tim",2:"kim",3:"jim")`

data type returned by the method **window.prompt** is?

- a. string b. number c. NaN d. string

In JavaScript, which of the following is used when printing value of string?

- a. Single quotations b. Double quotations c. Angle brackets d. a+b

One of the following names is not a valid variable name?

- a. AbC b. AbC c. A-B-C d. A_B_C

What is the output of the method **X.toFixed(2)** is?

- a. 5.3 b. 5.3 c. 53 d. 5.34

What is the order of precedence in solving conflict in CSS is?

- a. embedded inline b. inline embedded external c. embedded external

Point) Write a JavaScript function in order to perform the following tasks:

1. A function that takes the following array of numbers and returns the average of all the elements in the array.

```
var MyArray = Array (20, 50, 50, 66, 30);
```

function that takes an array and stores a random integer number between

...ing tasks:
... of numbers and returns the average of all the
Array = Array (20, 50, 50, 66, 30);

- B. A function that takes an array and stores a random integer number between 1 and 100 in each element.
- C. A function that takes an integer value and returns the sum of its digits. For example if $X=3245$ then the returned value is 14.

A function that takes an integer value and returns the sum of its digits. For example if $X=3245$ then the returned value is 14.

D. A function that takes two strings and returns the count of how many times the second string appeared in the first one. For example :
String1="This is just a test. Just a simple test"
String2="test"
Your function should return 2.

Q6 (8 Marks): What is the output of the following pieces of code

```
<script type="text/javascript">
var str="Web Application Development 2014";
document.write(str.toLowerCase() + "<br />");
document.write(str.toUpperCase());
</script>
```

OUTPUT:

~~WEB APPLICATION DE~~
web application development
WEB APPLICATION DEV

```
<script type="text/javascript">
var str="Web Application Development 2014";
document.write(str.indexOf("Development") + "<br />");
document.write(str.indexOf("e") + "<br />");
document.write(str.lastIndexOf("e"));
</script>
```

OUTPUT:

```
ot type="text/javascript">
="Web Application Development 2014";
ent.writeln(str.substr(4) + "<br />");
ent.writeln(str.substring(16,18) + "<br />");
ent.writeln(str.substr(9,3);
```

```

5
6
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16
17
18
19
20

```

```

</style>
</head>

<body>
  <h1 id = top>Top of the Page</h1>
  <p><a href = "lesson1">Go to <em>Lesson 1</em></p> </a>
  <h2 style="color=blue;font-weight:30px;"> Some Text Some Text Some Text </h2>
  <h1 id =lesson1 >My Lesson one </h1>
  <p>
    <a href = "top">Go to <em>the top page</em></a>
  </p>
</html>

```

Line #	Correction
1 ✓	< a href = "http://www.w3.org/1999/xhtml">
4 ✓	<style type = "text/css">
5 ✓	p [color: red; font-size: 10pt]
6 ✓	h1 [color: red; font-family: arial]
7 ✓	.special [color: blue]
12 ✓	<h1 id = "top"> Top of the page </h1>
13 ✓	<p> Go to lesson1
14 ✓	<h2 style = "color: blue; font-weight: 30px;"> ...
15 ✓	<h1 id = "#lesson1" > my lesson one </h1>

```
<td> BIT </td>
```

```
</tr>
```

```
<tr><td> CIS </td> </tr>
```

```
<tr><td> ECS </td> </tr>
```

```
</tbody>
```

```
<tfoot>
```

```
<tr>
```

```
<td colspan="3"> <a href="http://www.edu.jo.ju"> Visit Uj</a>
```


```
</td>
```

```
</tr>
```

```
</tfoot>
```

```
</tbody>
```

```
</html>
```



Question 2 of 3 Marked

Write an HTML code for the following form screenshot.

Student Form

Name:

20 chars only

Password:

Comments:

a comment box with 6 lines where each line has 40 characters

Gender: ☒ Male ☐ Female

chosen

Finished courses

IT Fund ☐ Calculas ☐ Accounting I ☐

Student category: undergraduate

2 values

(undergraduate, postgraduate), where undergraduate is chosen

<label> Please rate the government

<input type="radio" checked="checked" name="f1" value="Good" />

<input type="radio" name="f1" value="Poor" />

<input type="radio" name="f1" value="very bad" />

</label>

<label> other comments

<input type="text" value="comment" />

cols="50" rows="10"

</label>

<input type="submit" value="submit" name="submit" />

<input type="clear" value="reset" name="reset" />

</p>

</form>

</body></html>

Question 1 (10 Marks):

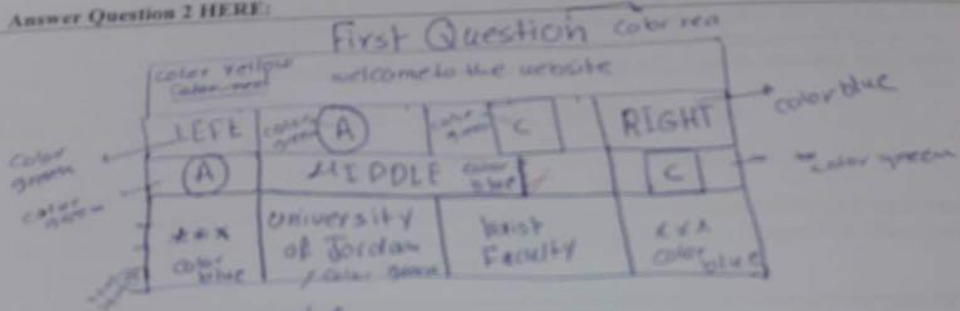
ILO 1

State whether each of the following is T (True) or F (False):

1. ☒ T ☐ F HTTP is stance for Hyper Text Markup Language.
2. ☒ T ☐ F CSS allows the separation of website's content from its presentation.
3. ☒ T ☐ F div is a grouping element which is normally start at a new line.
4. ☒ T ☐ F the use of height and width attributes with the image tag leads to slower image loading.
5. ☒ T ☐ F Empty element has no end tag.
6. ☒ T ☐ F Inline CSS is applied on the individual XHTML elements.
7. ☒ T ☐ F Embedded CSS is the best way to apply CSS to more than one page.
8. ☒ T ☐ F XHTML validator would give an error if you don't include alt attribute with the img tag.
9. ☒ T ☐ F In case of CSS conflict, the highest priority is giving to the External CSS.
10. ☒ T ☐ F The use of relative length measures is recommender when there are several output devices.

8

Answer Question 2 HERE:




Question 3 (7 Marks):

Write a valid XHTML fragment code to design the following table.

20

3

UJ table

	The University of Jordan Link			
	Business	IT	Sports	Law
No. of Students	100	150	200	250

Bold

"JU_logo.gif" with height 170, width 200

Table head

Table body

```
<?xml version = "1.0" encoding = "utf-8"?>
<!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">
  <head>
    <title>university of Jordan Table</title>
  </head>
  <body>
```

- colspan
rowspan

```
<table>
<thead>
<tr><img src = "JU_logo.gif" height = "170" width = "200"
The University of Jordan Link </tr>
<tr><td>Business</td><td>IT</td><td>Sports</td><td>Law</td>
```

Question 2 (9 marks):

ILO 2

Using the picture ju.gif write the required code to design the following table:

```

<?xml version="1.0" encoding="utf-8"?>
<!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">
  <head>
    <title>a design of a table</title>
    <style type="text/css">
      * { border-style: dashed; }
    </style>
  </head>
  <body>
    <table border="1" width="60%" height="40%">
      <caption>university of jordan</caption>
      <thead>
        <tr>
          <td colspan="3"><strong>KASIT</strong></td></tr>
        </thead>
      <tbody>
        <tr>
          <td rowspan="3">
        </td>
          <td rowspan="3">
            <form>
              <label>ID: <input type="text" name="ID" value="ID" /></label>
              <label>Password: <input type="password" name="P3" value="Password" /></label>
              <input type="submit" name="submit" value="login" />
            </form>
          </td>
          <td>
            <a href="#">BIT</a>
            <a href="#">CIS</a>
            <a href="#">CS</a>
          </td>
        </tr>
      </tbody>
    </table>
  </body>
</html>

```

You can complete you code on the next page.....

Question 4 (5 Marks):

Using the following image, what is the output of the following code?

ILO 3

Image corner

```

<html><head>
<style type="text/css">
.s1 {
position:absolute;
left:0px;
top:0px;
z-index:1;}
.s2 {
position:absolute;
left:50px;
top:50px;
z-index:2;}
.s3 {
position:absolute;
left:100px;
top:100px;
z-index:3;}
.d1 {
position:absolute;
left:320px;
top:160px;
width:500px;
height:100px;
border:thick dotted;
background-color:gray;
text-align:center;}
.s11 {
position:absolute;
right:0px;
top:0px;
z-index:1;}
.s22 {
position:absolute;
right:50px;
top:50px;
z-index:2;}
.s33 {
position:absolute;
right:100px;
top:100px;
z-index:3;}
</style>
</head>
<body>



<div class="d1"> <br />
<strong>
Deaprtment of Business Information Technology <br />
King Abdullah II School for IT <br />
The University of Jordan
</strong>
</div>



</body></html>

```

4

Grey

☐


```

<html>
<h1> Registration Form </h1>
<form method="post" action="/" >
  <label> student Name </label>
  <input type="text" name="input-text1" size="25pt"
    maxlength="50"/>
  <br />
  <label> student ID </label>
  <input type="text" name="input-text2" size="10pt"
    maxlength="10"/>
  <br />
  <label> Email </label>
  <input type="password" name="password input"
    size="50" maxlength="10"/>
  <br />
  <label> Email PreferTime </label>
  <input type="checkbox" name="checkbox input"
    value="8-9" <checkbox> 8-9 </checkbox>
    <checkbox> 9-10 </checkbox>
    <checkbox> 10-11 </checkbox>
    <checkbox> 11-12 </checkbox>
    <checkbox> 12-13 </checkbox>
  <br />
  <label> Your Major </label>
  <input type="radio" name="radio input"
    value="C" value="cis" />
  <label> Cis </label>
  <input type="radio" name="radio input" value="CS" />
  <label> CS </label>
  <input type="radio" name="radio input" value="CS" />
  <label> Bit </label>
  <br />
  <label> student level </label>
  <select>
    <option> First year <selected> First <selected> First year </option>
    <option>
    <option> second year </option>
    <option> Third year </option>
    <option> Fourth year </option>
    <option> others </option>
  </select>

```

Page 6 of 7

<hr /> </select>

```

<input type="submit" name="input-submit" value="Generate" />
<input type="reset" name="input-reset"
  value="Erase" />

```

Question 3 (6 Marks):

ILO 2

You have been hired by the government of Jordan as a Web designer. Your manager has asked to create an online questionnaire (online survey) to measure the citizens satisfaction with the current government using XHTML form. The questionnaire should contain the following:

1. Radio button with two options: Male and Female. With "Please select your gender." as a Label.
2. Select menu that allows participants to select the range of their age with the following three options: under 18 years, 19-25 years, and over 25 years. With "Please select the range of your age" as a Label.
3. Text input field for the city name with a length of 25 characters and a maximum 50 characters. With "Please type your city name" as a Label.
4. Radio button with three options: Good, Poor, and Very Bad with Good checked by default. And use "Please rate the government performance" as a label.
5. 10 lines with 50 characters per line comment box with "other comments" as a label.
6. Submit button and reset button.

Write the necessary xhtml code to create the page which satisfies the above requirements:

```
<?xml version="1.0" encoding="utf-8"?>
<!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">
  <head>
    <title>Government survey</title>
  </head>
  <body>
    <form>
      <p>
        <label>Please select your gender
        <input type="radio" name="A1" value="male"/>
        <input type="radio" name="A1" value="female"/>
        </label>
        <label>please select the range of your age
        <select> range of age
          <option>under 18 years</option>
          <option>19-25 years</option>
          <option>over 25 years</option>
        </select>
        </label>
        <label>please type your city name
        <input type="text" name="cityname" length="25" max-length="50"/>
        </label>
      </p>
    </form>
  </body>
</html>
```

5.5

You can complete your code on the next page.....

Question 1 (4 Marks): Multiple choice

1. Where in an HTML document is the correct place to refer to an external style sheet?
☒ a. At the end of the document
☐ b. In the header section
☐ c. At the top of the document
☐ d. In the <body> section
2. Which HTML attribute is used to define inline styles?
☒ a. Class
☐ b. Style
☐ c. Font
☐ d. Styles
3. CSS is used together with XHTML to separate the content from the presentation of the document:
☒ a. True.
☐ b. False.
4. Which statement is most true?
☐ a. All elements in XHTML must be closed
☐ b. All elements in XHTML must be well formed
☒ c. All elements in XHTML must be closed and well formed
☐ d. all are false