



UNIVOTEC

UNIVERSITY OF VOCATIONAL TECHNOLOGY

Faculty of Training Technology

Bachelor of Technology in Information &amp; Communication Technology

(Multimedia &amp; Web, Software, Network) 2015 / 2016 (B1)

Year I – Semester- I Examination - September -2015

### Internet Technologies IT10406

Instructions : Answer All Questions on the provided answers booklet.

Duration : 03 Hours

Total Marks : 100

1. Copy the following table into your answers booklet & mark the following statements on JavaScript as either true or false by placing a tick (✓) on the appropriate column.

(15 marks)


No.	Statement	True	False
I.	JavaScript is a case-sensitive language.		
II.	Simple statements in JavaScript are generally followed by a semicolon		
III.	Any text between the characters <code>/*</code> and <code>*/</code> is treated as a comment.		
IV.	External source code file is saved with the <code>.js</code> extension.		
V.	A variable should be declared before using it.		
VI.	Multiple variables can be declared using the same <code>var</code> keyword.		
VII.	123test is a valid variable name		
VIII.	final is an invalid variable name		
IX.	<code>C += A</code> is equivalent to <code>C = C + A</code>		
X.	The <b>do...while</b> loop will always be executed at least once, even if the condition is <b>false</b> .		
XI.	The <b>break</b> statement indicates the end of a particular case.		
XII.	The <b>while</b> loop will execute at least once, even if the condition is <b>false</b> .		
XIII.	Prompt box is used to display warning messages to the user		
XIV.	A function is called using its name		
XV.	<code>var fruits = new Array( "apple", "orange", "mango" );</code> will create an array with three elements		

2. Write XHTML code to generate the following web page. Use the image name as fruit.jpg.

(25 marks)

**Fresh Fruits**

It has long been known that a diet that includes at least a few servings of fresh fruit every day will help keep you healthy, fit and trim.



Fruits		
Banana	Grapes	Orange
	Apple	

3. Following code is written to generate a web page. Complete the Style Sheet to meet the following requirements

- change the text color of the paragraph to "blue"
- change the font of the paragraph to "courier"
- center align the paragraph
- change the text size of the paragraph to 16pt
- indent the paragraph text by 40px
- change the background color of the paragraph to yellow
- center align all content of the page

(10 marks)

```
<!DOCTYPE html PUBLIC "-//w3c//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml" xml:lang="en" lang="en">
<head>
<title>Cascading Style Sheet</title>
<style>

</style>
</head>
<body>
<p>
The number of lines in a paragraph depends on the size of the browser window. If you resize the
browser window, the number of lines in this paragraph will change.
</p>
</body>
</html>
```

4. Write the output of the following code

```
<html>
<head><title></title></head>
<body>
<script language="JavaScript">
var grade='A';
document.write("Entering switch block<br />");
switch (grade)
{
case 'A': document.write("Good job<br />");
case 'B': document.write("Pretty good<br />");
case 'C': document.write("Passed<br />");
case 'D': document.write("Not so good<br />");
case 'F': document.write("Failed<br />");
default: document.write("Unknown grade<br />")
}
document.write("Exiting switch block");
</script>
<p>Set the variable to different value and then try...</p>
</body>
</html>
```

(10 marks)

5. Write Short notes on the following

- a. Web blog
- b. Top Level Domain
- c. TCP Segment
- d. DNS Root Servers

(20 marks)

6. Write a JavaScript Code to perform the following operations

- accept 3 integers from the user
- arrange the accepted numbers in ascending order
- Output the ascending ordered numbers to the user

(20 marks)