UNIVERSITY OF VOCATIONAL TECHNOLOGY
Faculty of Training Technology
Bachelor of Technology in Information & Communication Technology
(Multimedia & 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 /* and */ is treated as a comment.		
IV.	External source code file is saved with the .js extension.		
V.	A variable should be declared before using it.		
VI.	Multiple variables can be declared using the same var keyword.		
VII.	123test is a valid variable name		
VIII.	final is an invalid variable name		
IX.	C += A is equivalent to C = C + A		
X.	The **do...while** loop will always be executed at least once, even if the condition is **false**.		
XI.	The **break** statement indicates the end of a particular case.		
XII.	The **while** loop will execute at least once, even if the condition is **false**.		
XIII.	Prompt box is used to display warning messages to the user		
XIV.	A function is called using its name		
XV.	var fruits = new Array("apple", "orange", "mango"); will create an array with three elements		

2. Write XHTML code to generate the following web page. Use the image name as friut.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
    <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)