

IS181 TEST 1

May 7th, 2019

Instructions

1. This test consists of Two(2) questions. Attempt all questions, This test carries 20 marks
2. Write your name and registration number on each of your answer sheet
3. Duration: **60 Minutes**

QUESTION ONE (12.5 marks)

- (a) For each of the following, choose the most correct answer and write its letter on the answer sheet (0.5 marks each)
- (i) What is the correct JavaScript syntax to change the content of HTML element below?
`<p id="demo">This is a demonstration.</p>`
(A) `document.getElement("p").innerHTML = "Hello World!";`
(B) `#demo.innerHTML = "Hello World!";`
(C) `document.getElementById("demo").innerHTML = "Hello World!";` ✓
(D) `document.getElementByName("p").innerHTML = "Hello World!";`
- (ii) Where is the correct place to insert a JavaScript?
(A) The `<body>` section
(B) The `<head>` section
(C) The `<title>` section
(D) Both the `<head>` section and the `<body>` section are correct
- (iii) What is the correct HTML for referring to an external style sheet?
(A) `<link rel="stylesheet" type="text/css" href="mystyle.css">`
(B) `<style src="mystyle.css">`
(C) `<stylesheet>mystyle.css</stylesheet>`
(D) `<style rel="mystyle.css">`
- (iv) Which is the correct CSS syntax?
(A) `body {color: black;}`
(B) `body:color=black;`
(C) `{body:color=black;}`
(D) `{body;color:black;}`
- (v) What is the correct way to add 1 to the \$count variable in Javascript?
(A) `count++;`
(B) `++count`
(C) `$count =+1`
(D) `$count++;`

- (vi) How can you make a bulleted list with numbers in HTML?
- (A) <dl>
 - (B)
 - (C) <list>
 - (D)
- (vii) What tag is used to display a picture in a HTML page?
- (A) picture
 - (B) image
 - (C) img
 - (D) src
- (viii) Which HTML attribute is used to define inline styles?
- (A) Font
 - (B) Class
 - (C) Styles
 - (D) Style
- (ix) Which of the following HTML tags is used to make an e-mail link?
- (A)
 - (B) <a mail href = "xxx@yyy.com">
 - (C) <mail>mailto:xxx@yyy.com</mail>
 - (D)
- (x) What is the function of "marquee" tag in HTML?
- (A) Marks the list of items to maintain in queue
 - (B) Marks the text so that it is hidden in browser
 - (C) Displays text with scrolling effect
 - (D) None of above
- (xi) Which of the following symbols do all variables in PHP start with?
- (A) &
 - (B) !
 - (C) \$
 - (D) #
- (xii) What is the correct way to declare a JavaScript array?
- (A) var txt = new Array ("tim", "kim", "jim")
 - (B) var txt = new Array: 1= ("tim") 2= ("kim") 3= ("jim")
 - (C) var txt = new Array: (1:"tim", 2:"kim", 3:"jim")
 - (D) var txt = new Array = "tim", "kim", "jim"

- (xiii) In JavaScript, what does the "this" keyword refers to:
- (A) Refers to the entire HTML tag for the current object
 - (B) Refers to the event handler in the HTML tag for the current object
 - (C) Refers to the value field in the HTML tag for the current object
 - (D) None of the above
- (xiv) An application which allows two machines to communicate using a socket requires
- (A) One of the machines to implement the HTTP protocol
 - (B) Both machine to implement client capabilities, and one of them to implement server capabilities
 - (C) Both machines to use the same source code, but one must be told to open the socket first
 - (D) One of them must implement a server socket and the other one a client socket
- (xv) Select the incorrect statement about PHP Programming language
- (A) Classes are case-insensitive
 - (B) Functions are case-insensitive
 - (C) Variable are case-insensitive
 - (D) Constants are case-sensitive
- (b) State whether each of the following statements is TRUE or FALSE. If false, explain why (0.5 marks each)
- (i) JavaScript does not require variables to have a type before they can be used in a script.
 - (ii) The following are all valid Javascript variable names: `_under_bar_` , `m928134` , `t5` , `j7` , `her_sales$` , `his_$account_total` , `a` , `b$` , `c` , `z` , `z2`
 - (iii) A valid JavaScript arithmetic expression with no parentheses is evaluated from left to right.
 - (iv) XML is an executable language.
 - (v) Hyperlinks are denoted by link elements.
- (c) Fill in the blanks in each of the following statements: (0.5 marks each)
- (i) _____ are used to document a program and improve its readability.
 - (ii) A dialog capable of receiving input from the user is displayed with method of object _____
 - (iii) A JavaScript statement that makes a decision is the _____ statement.
 - (iv) Calculations are normally performed by _____ operators.
 - (v) A dialog capable of showing a message to the user is displayed with method of object _____

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QUESTION TWO (7.5 marks)

- (a) With the aid of a diagram, brief explain the Client –Server model as applied to web applications. (1.5 marks)
- (b) With an example, briefly explain each part of a URL (1 mark)
- (c) Categorize each of the following as either an element or an attribute: (0.5 marks each)
- (i) br
 - (ii) width
- (d) What displays in the message dialog when each of the given JavaScript statements is performed? Assume that $x = 2$ and $y = 3$. (0.5 marks each)
- (i) `window.alert("x = " + x);`
 - (ii) `window.alert((x + y) + " = " + (y + x));`
- (e) Write JavaScript statements that accomplish each of the following task: (0.5 marks each)
- (i) Display the message "Enter two numbers" using the window object.
 - (ii) Assign the product of variables b and c to variable a.
- (f) What is the output for each of the following PHP code? (1 mark each)
- (i)

```
<?php
$total=0;
for($i=0;$i<4;$i++){
    $total=$total+$i;
}
echo $total;
?>
```
 - (ii)

```
<?php
$i=0;
while($i<=10){
    if($i<=5){
        continue;
    }
    print($i);
    $i=$i+1;
}
?>
```

1, 2, 3
1+2+3 =

678910