



**UNIVERSITI TEKNOLOGI MARA
FINAL EXAMINATION**

COURSE	:	WEB APPLICATION DEVELOPMENT / INTERNET PROGRAMMING
COURSE CODE	:	CSC318/317
EXAMINATION	:	JUNE 2019
TIME	:	3 HOURS

INSTRUCTIONS TO CANDIDATES

1. This question paper consists of three (3) parts :
PART A (25 Questions)
PART B (3 Questions)
PART C (1 Question)
2. Answer ALL questions from all three (3) parts :
 - i) Answer PART A in the Objective Answer Sheet.
 - ii) Answer PART B and C in the Answer Booklet. Start each answer on a new page.
3. Do not bring any material into the examination room unless permission is given by the invigilator.
4. Please check to make sure that this examination pack consists of :
 - i) the Question Paper
 - ii) an Answer Booklet – provided by the Faculty
 - iii) an Objective Answer Sheet – provided by the Faculty
5. Answer ALL questions in English.

DO NOT TURN THIS PAGE UNTIL YOU ARE TOLD TO DO SO

This examination paper consists of 11 printed pages

PART A

1. Which organization defines the Web Standards?
 - A. Microsoft Corporation
 - B. IBM Corporation
 - C. World Wide Web Consortium
 - D. Apple Inc.

2. Web pages use the communication protocol _____.
 - A. HTTP
 - B. HTML
 - C. FTP
 - D. URL

3. Which of the following identifies a specific web page and its computer on the Web?
 - A. Web site
 - B. Web site address
 - C. URL
 - D. Domain Name

4. Protocol is client/server program used to retrieve the
 - A. IP
 - B. Header
 - C. Document
 - D. Cache

5. URL stands for
 - A. Uniform Resource Loader
 - B. Uniform Resource Line
 - C. Uniform Resource Locator
 - D. Uniform Reading Loader

6. The statement _____ creates a link to a file named "intro.html" located in the domain www.disk.com.my.
 - A. ``
 - B. ``
 - C. ``
 - D. ``

7. The correct HTML tag to left align the content inside a table cell is
- A. `<tdleft>`
 - B. `<td valign = "left" >`
 - C. `<td align = "left">`
 - D. `<td leftalign>`
8. What is the correct HTML for adding a background color?
- A. `<background>yellow<Background>`
 - B. `<body color = "yellow">`
 - C. `<body bgcolor = "yellow">`
 - D. `<body bg ="yellow">`
9. Which attribute is used with TD tag to merge two cells horizontally?
- A. `merge=colspan2`
 - B. `rowspan=2`
 - C. `colspan=2`
 - D. `merge=row2`
10. Which tag creates a check box for a form in HTML?
- A. `<checkbox>`
 - B. `<input type="checkbox">`
 - C. `<input=checkbox>`
 - D. `<input checkbox>`
11. How to make an e-mail link?
- A. ``
 - B. `<mail href="xxx@yyy">`
 - C. `<mail>xxx@yyy</mail>`
 - D. ``
12. Which of the following is correct about JavaScript?
- A. JavaScript is a lightweight, interpreted programming language.
 - B. JavaScript has object-oriented capabilities that allow you to build Interactivity into otherwise static HTML pages.
 - C. The general-purpose core of the language has been embedded in Netscape, Internet Explorer, and other web browsers.
 - D. All of the above.

13. Trace the following code. What is the output displayed?

```
<html><body>
  <script>
    var x = "5";
    var y = 6;
    var z = x + y;
    document.write(x + "<br>");
    document.write(y + "<br>");
    document.write(z + "<br>");
  </script>
</body></html>
```

- A. 5 6 11
B. 5 6 10
C. 5 6 56
D. None of the above
14. Which built-in method returns the character at the specified index?
- A. characterAt()
B. getCharAt()
C. charAt()
D. None of the above.
15. How do you write "Hello World" in an alert box?
- A. alertBox("Hello World");
B. msgBox("Hello World");
C. msg("Hello World");
D. alert("Hello World");
16. Trace the following code. What is the output displayed?

```
<html><body>
  <script type="text/javascript">
    book = new Array(1,2,3,4,5,6,7,8);
    document.write(book[1]);
    book[10]=10;
    document.write(book[10]);
  </script>
</body></html>
```

- A. 210
B. 18
C. 28
D. 110

17. Trace the following code. What is the value of z?

```
<html>
  <body>
    <script>
      var x = 12.45;
      var y = 1;
      var z = '8' + x + y;
      document.write(z + "<br>");
    </script>
  </body>
</html>
```

- A. 21.450
B. 21.451
C. 812.451
D. 813.451
18. Which of the following statements is FALSE about server-side scripting?
- A. The processing of pages is carried out at the server.
B. It is impossible to implement an e-commerce web application system.
C. It allows data from user's pc to be accessed and stored into database.
D. It enables the web server to control user's browsing selection
19. PHP stands for
- A. Php Hypertext Processor
B. Php Hypertext Preprocessor
C. Php Hypermarkup Preprocessor
D. Php Hypermarkup Processor
20. Which statement is correct for using Get method?
- A. <form action="Myfile.php" method="GET">
B. <form action="Get" method="Myfile.php">
C. <form="" method="GET">
D. <form Get=true>

21. Trace the following code. What is the result?

```
<?php
    $a = 1;
    if ($a--)
        echo "TRUE";
    if ($a++)
        echo "FALSE";
?>
```

- A. TRUE
 - B. error
 - C. FALSE
 - D. No result
22. Which of the following variables is TRUE to declare an array in PHP?
- A. \$animal= array("Ayam", "Ikan", "Sotong");
 - B. \$animal = ("Ayam", "Ikan", "Sotong");
 - C. \$animal = array{"Ayam", "Ikan", "Sotong"};
 - D. \$animal[] = array("Ayam", "Ikan", "Sotong");

23. Trace the following code. What is the result?

```
<?php
    $var1 = 0;
    $var1 = ($var1 + 5)++;
    echo $var1;
?>
```

- A. 5
 - B. error
 - C. 6
 - D. 7
24. Which one of the following statements should be used to include a file?
- A. #include 'filename';
 - B. include 'filename';
 - C. @include 'filename';
 - D. #include ;

25. How is a variable in PHP defined?

- A. `$variable_name = value`
- B. `$variable_name = value;`
- C. `$variable_name == value;`
- D. `$variable_name as value;`

(Total : 25 marks)

PART B**QUESTION 1**

Trace the following JavaScript snippets and write the output.

- a)

```
var i
for (i = 2; i < 8; i += 2) {
  document.writeln("The value of i is "+i+".<br />")}
```
- b)

```
var s = "I love Javascript Programming."
document.writeln(s.indexOf('J'))
document.writeln("<br />");
document.writeln(s.substring(12,19))
document.writeln("<br />");
```
- c)

```
var m=6, n=4, count=0;
while (m<13){
  if (m<n) m+=6;
  else n+=4;
  count++
}
document.write("The value of m is "+m+".<br />");
document.write("The number of looping is "+count+".<br />");
```

(7 marks)

QUESTION 2

Trace the following HTML tag and write the output.

```
<html>
<head>
<title>Table</title>
</head>
<body>
<table border=2 cellpadding=20>
  <tr>
    <th colspan=3>Animal</th>
  </tr>
  <tr>
    <td>Tiger</td>
    <td colspan=2>I am bigger </td>
  </tr>
  <tr>
    <td>Cat</td>
    <td align=center>Meow</td>
    <td align=right>Cute</td>
  </tr>
</table>
</body>
</html>
```

(5 marks)

QUESTION 3

Write a complete web page with JavaScript function that generates a list of 10 items using unordered list. The items should be from item1 to item10 as shown below.

- item1
- item2
- item3
- item4
- item5
- item6
- item7
- item8
- item9
- item10

(8 marks)

(Total : 20 marks)

PART C

QUESTION 1

As a new web programmer, you are required to develop an e-forum for a company. The application will allow the staff members to post any topics in the forum.

You are required to use these database details in your source code

- Host : localhost
- Username : ""
- Password : ""
- Database name : "test"

Database table : tblforum

Attribute 1 : id (not null, auto increment)

Attribute 2 : topic (varchar(255))

Attribute 3 : detail (varchar(255))

Attribute 4 : name (varchar(255))

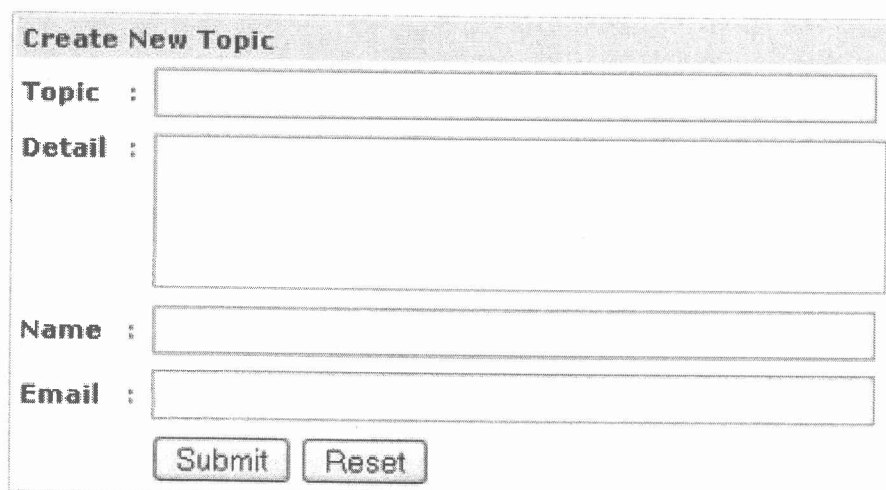
Attribute 5 : email (varchar(255))

Attribute 6 : date (datetime)

1. File : createForum.html

Produce a submit forum page that allows the user to submit forum.

- Action : add_forum.php
- Method : POST
- If there are empty fields, display the necessary message.
- Sample interface :



The image shows a web form titled "Create New Topic". It contains four input fields: "Topic" (a single-line text box), "Detail" (a multi-line text area), "Name" (a single-line text box), and "Email" (a single-line text box). Below the input fields are two buttons: "Submit" and "Reset".

(10 marks)

2. File : add_topic.php

- a. Store all information from createForum.html including forum date.

Display a successful message once the forum information is stored in the database with one hyperlink to view the forum list. (listForum.php)

(10 marks)

3. File : listForum.php

- a. Display all information of the forum in HTML table format as shown in the figure below. Sort the list according to the forum id in descending order.

FORUM

#	Topic	Detail	Name	Email	Date/Time
3	Holiday in Langkawi	Which area is best to stay in a resort style hotel?	Mrs Lily	lili@gmail.com	2009-08-18 04:57:29
2	AirBnB	Which would be a better location in Ipoh? Thanks!	Mr Jay	jj@gmail.com	2009-08-18 04:54:28

[Back to Create Forum Page](#)

(10 marks)

(Total : 30 marks)

END OF QUESTION PAPER