



UNIVERSITI TUN HUSSEIN ONN MALAYSIA

**FINAL EXAMINATION
SEMESTER II
SESSION 2011/2012**

COURSE NAME : WEB PROGRAMMING
COURSE CODE : BIT 3153
PROGRAMME : BACHELOR OF INFORMATION
TECHNOLOGY
EXAMINATION DATE : JUNE 2012
DURATION : 3 HOURS
INSTRUCTION : ANSWER ALL QUESTIONS.

THIS QUESTION PAPER CONSISTS OF FIVE (5) PAGES

Instruction: Answer **ALL** questions.

- Q1** (a) List **FOUR (4)** types of Internet services. (4 marks)
- (b) Explain what is URL. (4 marks)
- (c) Explain **TWO (2)** types of tool to create XHTML document. (12 marks)
- Q2** (a) Write complete XHTML and JavaScript codes for the following:
- (i) Prompt user to enter their name.
 - (ii) Prompt user to enter their age.
 - (iii) Display output that greet "Hello" together with keyed-in name in **Q2(a)(i)**.
 - (iv) Display output "Do your parents know you are online?" if keyed-in age in **Q2(a)(ii)** is less than 18. (8 marks)
- (b) Based on **Figure Q2(a)** and **Figure Q2(b)**, state the format of size, color and font used for each line of poem.html. Write your answer in a table as **Table Q2**.

```

                                poem.css

body
{ font-family:Comic Sans MS; }
h1
{ font-family:Verdana;
  font-size:36pt;
  color:Black; }
h2
{ font-family:Arial Black;
  font-size:24pt;
  color:DarkRed; }
h3
{ font-size:18pt;
  color:DarkBlue; }
h4
{ font-family:Geneva;
  font-size:14pt;
  color:DarkGreen; }
```

Figure Q2(a)

```

poem.html

<head><title>FINAL EXAM</title>
<meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
<style type="text/css">
@import url('poem.css');
h4
{ font-family : Comic Sans MS;
font-size : 16pt; }
</style></head>

<body>
<h1 style="color:DarkMagenta;font-size:30pt">
How doth the little crocodile </h1>
<h2> Improve his shining tail, </h2>
<h3> And pour the waters of the Nile </h3>
<h4> On every golden scale! </h4>
<h3 style="font-family:Times"> How cheerfully he seems to grin,</h3>
<h4 style="color:Red"> How neatly spread his claws, </h4>
<h1 style="font-size:16pt"> And welcome little fishes in </h1>
<h2 style="color:Goldenrod"> With gently smiling jaws! </h2>
<p>By Lewis Carroll,from Alice in Wonderland.</p>
</body>

```

Figure Q2(b)

Table Q2

Poem	Size	Font	Colour
How doth the little crocodile			
Improve his shining tail,			
And pour the waters of the Nile			
On every golden scale!			
How cheerfully he seems to grin,			
How neatly spread his claws,			
And welcome little fishes in			
With gently smiling jaws!			

(12 marks)

Q3 (a) Write XHTML code to display H_2O^3 in web browser.

(2 marks)

(b) Write XHTML code to display web contents as Figure Q3(a).

Grocery Checklist

Milk Bread Eggs

Figure Q3(a)

(3 marks)

(c) Write XHTML code to display web contents as **Figure Q3(c)**.

Aircraft Types	
1. General Aviation (piston-driven engines)	
1. Single-Engine Aircraft	
1. Tail Wheel	
2. Tricycle	
2. Dual-Engine Aircraft	
1. Wing-mounted engines	
2. Push-pull fuselage-mounted engines	
2. Commercial Aviation (jet engines)	
1. Dual-Engine	
1. Wing-mounted engines	
2. Fuselage-mounted engines	
2. Tri-Engine	
1. Third engine in vertical stabilizer	
2. Third engine in fuselage	

Figure Q3(c)

(8 marks)

(d) Write XHTML code to display web contents as **Figure Q3(d)**.

Fruit Juice Drinks			
	Apple	Orange	Screwdriver
Breakfast	0	1	0
Lunch	1	0	0

Figure Q3(d)

(7 marks)

Q4 (a) Write a PHP code segment to solve the following mathematical expression (Use in your code).

$$((100 * 20) / (10 * 2)) / 2$$

(5 marks)

(b) Write complete PHP code to determine and display even or odd random number generated by random function using switch..case condition.

(5 marks)

(c) Explain a difference between while and do..while looping.

(5 marks)

(d) Based on the following array statement:

```
$name = array (rooney, aguero, bale, cisse, dempsey, krul, nasri)
```

Write a PHP code to display output which is sorted in ascending order.

(5 marks)

Q5 Given the following scenario:

Aras 7 Sdn Bhd is a company that want to develop a system to keep their client's information. As a web developer, you have been hired to develop this system using PHP.

The system can store client id, client name, address and phone number in a database. It should also have functions that can add, update, search and delete existing record.

Assume the database name is *Client* and the table is *ClientInfo*.

Write complete PHP code to:

- (i) connect to the database,
- (ii) insert client record,
- (iii) display client record,
- (iv) search record based on client id, and
- (v) delete record based on client id .

(20 marks)