UNIVERSITI TUN HUSSEIN ONN MALAYSIA

FINAL EXAMINATION
SEMESTER II
SESSION 2011/2012

COURSE NAME	:	WEB PROGRAMMING
COURSE CODE	:	DAT 32403
PROGRAMME	:	3 DAT
EXAMINATION DATE	:	MARCH 2012
DURATION	:	2 ½ HOURS
INSTRUCTIONS	:	**SECTION A**
		ANSWER **ALL** QUESTIONS
		SECTION B
		ANSWER **ONE (1)** QUESTION
		ONLY FROM **TWO (2)**
		QUESTIONS

THIS QUESTION PAPER CONSISTS OF SEVEN (7) PAGES

SECTION A

Q1 The diagram in Figure 1 is the 3-tier application architecture for dynamic website.
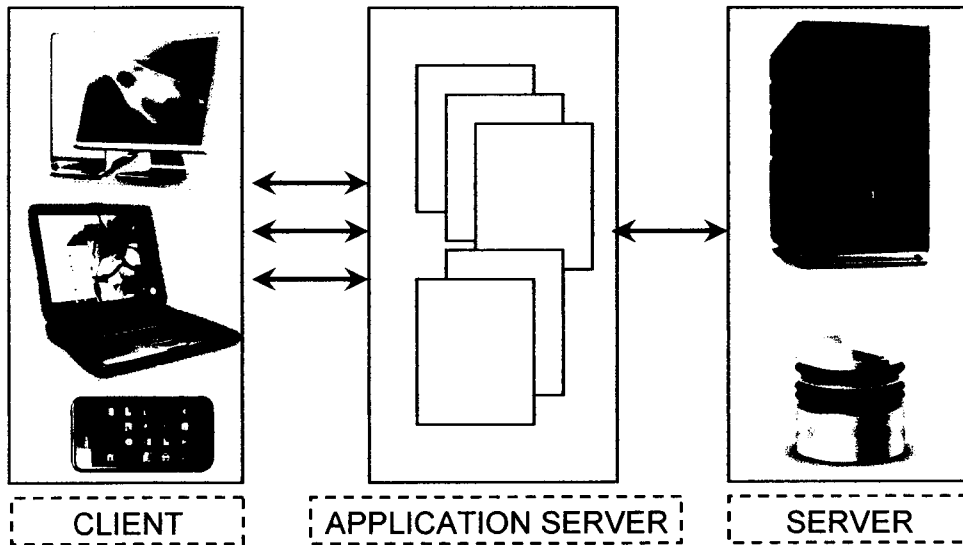

Figure 1 : 3-tier application

(a) Discuss the functions of each layer.

(9 marks)

(b) Define the necessary tools involved.

(3 marks)

(c) Computer needs to know in what format the data should be stored. Different types of data take different amount of spaces. PHP support 8 primitive data types based on table 1. Write in the table with the type of variables for each of the display number.

Table 1 : Types of Variables

DESCRIPTION	TYPE OF VARIABLES
Scalar Types	1. _____ 2. _____ 3. _____ 4. _____
Compound Types	5. _____ 6. _____
Special Types	7. _____ 8. _____

(8 marks)

Q2 (a) Give the output of the script based on figure 2.

```php
<?php
$intA = 10;
$intB = 5;

$intA += $intB;
echo "<p>10 + $intB = $intA</p>";
$intA = 10;
$intA -= $intB;
echo "<p>10 - $intB = $intA</p>";
$intA = 10;
$intA *= $intB;
echo "<p>10 * $intB = $intA</p>";
$intA = 10;
$intA /= $intB;
echo "<p>10 / $intB = $intA</p>";
$intA = 10;
$intA %= $intB;
echo "<p>10 % $intB  = $inta</p>";

?>
```

Figure 2 : Assignment Operator Script.

(10 marks)

(b)   Give the output of the script based on figure 3.

```
<?php
$intCount = 1;

while (1) {
        echo "<p>Number Count = $intCount</p>;
        $intCount + +;
        if ($intCount > 10)
                break;
}
?>
```

Figure 3 : Flow Control Script.

(6 marks)

(c)   Give the output of the script based on figure 4.

```
<?php

for ($intCount = 1; $intCount < = 4; $intCount + +){
        echo "<p> Number is $intCount</p>";
}
?>
```

Figure 4 : Flow Control Script.

(4 marks)

Q3   An *Array* is a structured set of variables, in which each variable is called an element. There are **THREE (3)** kinds of *Arrays.*

(a)   List down each of them.

(4 marks)

(b)   Discuss on each of the array that you listed.

(6 marks)

4

Q4 (a) Define **"Cookie"**.

(4 marks)

(b) Define the definition of **"SQL"** and **"Database"**.

(6 marks)

SECTION B

Q5   Consider figure 5 shown below. It consists of a single form (name it as registration) with 3 textboxes and a normal button. It is shown exactly as it would look when first loaded into a browser.

Please enter your personal details:

Firstname:

Lastname:

Address:

Username:

Password:

Submit

Figure 5: Registration form.

Write the HTML code for this form.

(20 marks)

Q6   a)   Usually after a database name **"STUDENT"** has been created, a table containing **"STUDENT PARTICULAR"** is also created in order to save all the student information inside a database. Inside the table there are 4 data that had been entered with a lot of row containing student particular such as name, address, phone number, age and many more.

Amirah Batrisya
Muhammad Iqwan Danial
Dhiadynie
Mikail Rizky

Figure 6 : Name rows data.

Write a SQL query to connect to *"STUDENT"database and read* *"STUDENT PARTICULAR"* table and display *"NAME"* rows only. The final output should be same as figure 6.

(10 marks)

b) Based on the following array statement:

$fruit = array (banana, mango, durian, orange, strawberry, peach, apple)

Write a PHP code to display a sorted output of fruit array such as figure 7.

```
apple
banana
durian
mango
orange
peach
strawberry
```

Figure 7 : Sorted fruit name list

(10 marks)