



UNIVERSITI TUN HUSSEIN ONN MALAYSIA

FINAL EXAMINATION

SEMESTER I

SESSION 2010/2011

SUBJECT NAME : WEB PROGRAMMING
SUBJECT CODE : DIT 3243
COURSE : 3 DIT
EXAMINATION DATE : NOVEMBER/DISEMBER 2010
DURATION : 2 HOURS
INSTRUCTION : ANSWER ALL QUESTIONS

THIS QUESTION PAPER CONSISTS OF FOUR (4) PAGES

PART A

Answer **ALL** questions.

Q1 (a) List **FOUR** (4) advantages of using 3-Tier architecture based on development issues. (4 marks)

(b) Differentiate between 2-tier architecture and 3-tier architecture programming by using appropriate diagram. (6 marks)

Q2 (a) Describe the HTML elements below.

(i) ``

(ii) `<body></body>`

(iii) `<hn></ hn>`

(iv) ``

(v) `<p></p>`

(5 marks)

(b) Briefly state how to create header and footer in a single file? (3 marks)

(c) A cookie is set in PHP with the setcookie function. Create a setcookie function based on the situation below:

(i) Set the cookie called *gender* on the user's PC containing the data *male*. It will be available within the entire domain that set it. It will expire and be deleted when the browser is closed.

(2 marks)

(ii) Set the cookie called *name* on the user's PC containing the data *Robert*. It will be available to all pages in the same directory or subdirectory of the page that set it (the default path and domain). It will expire and be deleted when the browser is closed (default expire).

(2 marks)

- Q3 (a) Choose any **TWO** (2) input element below and explain it based on the function, snippet code and how it looks like.
- (i) Password Field
 - (ii) Radio Buttons
 - (iii) Checkboxes
 - (iv) Submit Button
- (8 marks)

- (b) List **TWO** (2) examples of form should implement the method="post" and provide the reason of your choice with an example.
- (4 marks)

- Q4 (a) Identify the output for the following statement?

```
<?php
define ("x", "5");
$x=x+10;
echo $x;
?>
```

(2 marks)

- (b) Identify the output for the following statement?

```
<?php
function zz (& $x)
{
    $x=$x+5;
}
$x=10;
zz ($x);
echo $x;
?>
```

(2 marks)

- (c) Identify the output for the following statement?

```
<html>
<body>
<?php
for ($i=1; $i<=5; $i++)
{
    echo "The number is " .
    $i . "<br />";
}
?>
</body>
</html>
```

(2 marks)

- (d) Identify the output for the following statement?

```
<?php
$father="mother";
$mother="son";
Echo $$father;
?>
```

(2 marks)

- Q5 (a) Based on your knowledge, identify **TWO** (2) differences between SQL and MySQL (Note: Comparison Table)?

(8 marks)

- (b) Which database design features is the most important to SQL performance?

(2 marks)

- Q6 (a) Write a PHP coding using `while` loop where the loop starts with `i=1`. The loop will continue to run as long as `i` is less than, or equal to 5. `i` will increase by 1 each time the loop runs.

(4 marks)

- (b) Write a PHP coding using `for` loop where the loop starts with `i=1`. The loop will continue to run as long as `i` is less than, or equal to 5. `i` will increase by 1 each time the loop runs.

(4 marks)