



MALAYSIAN INSTITUTE OF INFORMATION TECHNOLOGY

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**FINAL EXAMINATION  
JANUARY 2016 SEMESTER**

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**SUBJECT CODE** : ITD31303  
**SUBJECT TITLE** : PHP WEB PROGRAMMING  
**LEVEL** : DIPLOMA  
**TIME / DURATION** : 18 MAY 2016  
( 2 ½ HOURS )  
**DATE** : 2.00 pm – 4.30 pm

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**INSTRUCTIONS TO CANDIDATES**

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1. Please read the instructions given in the question paper CAREFULLY.
2. This question paper is printed on both sides of the paper.
3. This question paper consists of TWO (2) sections. Section A and B.
4. Answer ALL questions in Section A. For Section B, answer ONLY THREE (3) out of 4 questions.
5. Please write your answers on the OMR answer script and answer booklet provided.
6. Answer all questions in English.

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THERE ARE 13 PAGES OF QUESTIONS, INCLUDING THIS PAGE.

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**SECTION A: (Total: 25 marks)****INSTRUCTION: Answer ALL questions.****Please use the OMR sheet provided.**

1. Which of the following is a true statement about array?
  - A. `asort()` will sort an array by key
  - B. `ksort()` will sort an array in reverse order
  - C. `sort()` will sort an array by value while maintaining the keys.
  - D. `ksort()` will sort array by value, discarding the original keys
  
2. The four types of functions in MySQL involve the following **EXCEPT**:
  - A. Text function
  - B. Date and time function
  - C. Grouping function
  - D. Update function
  
3. *Joins* is an SQL queries performed by cross referencing tables that is used to extract more usable data from relational database. The following list the correct types of *joins* **EXCEPT**:
  - A. Left Join
  - B. Inner join
  - C. Outer join
  - D. Table join
  
4. If we need to delete the entire table, then which of the following SQL statement that we need to use?
  - A. `DELETE TABLE`
  - B. `TABLE DELETE`
  - C. `DROP TABLE`
  - D. `TABLE DROP`

5. Which of the following statement is true?
- A. PHP function names can be written as `eChO` instead of `echo`
  - B. Variable `$name` is the same as variable `$Name`
  - C. Value can be assigned to variable using double equal sign (`==`)
  - D. String concatenation can be done by using (+) symbol.
6. We can use the `CONCAT ()` functions for the purpose of?
- A. To return the length of the value stored in the column
  - B. To capitalized the entire string
  - C. To perform the operation of joining character strings end-to-end
  - D. To round a specified number to the nearest integer
7. Identify which of the following well explain the purpose of having the function `SHA ()` in MySQL.
- A. It will insert the current date and time (on the server) for that field.
  - B. As a one way encryption technique that is used to encrypt data
  - C. To validate the password field is filled (not to leave it blank)
  - D. To specify a value for every column in a table
8. There are two ways the browser client can send information to the web server, by using `GET` and `POST` method. Which of the following is **NOT** true about `POST` Method?
- A. Its requests are never cached
  - B. Information sent is invisible to everyone
  - C. Its requests can be cached and requests remain in the browser history
  - D. Used for sending sensitive data.
9. Determine the output of the following PHP code.

```
<?php
$page = array("Sham"=>"33", "Aisy"=>"15", "Wahid"=>"27");
asort($page);

foreach($page as $x => $x_value) {
    echo "Key=" . $x . ", Value=" . $x_value;
    echo "<br>";
}
?>
```

- A. Key=Aisy, Value=15  
Key=Wahid, Value=27  
Key=Sham, Value=33
- B. Key=Aisy, Value=15  
Key= Sham, Value=33  
Key= Wahid, Value=27
- C. Key= Wahid, Value=27  
Key= Sham, Value=33  
Key=Aisy, Value=15
- D. Key= Sham, Value=33  
Key= Wahid, Value=27  
Key=Aisy, Value=15
10. Given a variable,  $\$n = 21078$ . Which of the following statement will produce this result = **21,078.00**?
- A. `number_format ($n);`  
B. `number_format ($n, 2);`  
C. `round ($n, 2);`  
D. `round($n);`
11. The following are the four PHP functions of using external file except
- A. `include()`  
B. `require_once()`  
C. `require_init()`  
D. `include_once()`
12. Which of the following statement is **NOT** true about function and arguments?
- A. The first argument is always the required argument  
B. You can set default values for as many of the arguments as you want but the order in which you put them is important  
C. PHP does not support a return value function  
D. Failure to send the right number of arguments results in an error

13. Identify the purpose of using **ROUND ()** functions.
- A. Take one value and round the number to the nearest decimal
  - B. Take one value and round the number to the nearest integer
  - C. Take one value and convert the string to the integer
  - D. Take one value and return the random order of data

14. How to write a php program that will display date as 2016/07/2?

A.

```
<?php
    echo date("y m, j")
?>
```

B.

```
<?php
    echo date("Y-m-j")
?>
```

C.

```
<?php
    echo date("y/m/j")
?>
```

D.

```
<?php
    echo date("Y/m/j")
?>
```

15. Function **include ()** and **require ()**

- A. both are same in every aspects
- B. are different on how they handle failure
- C. None of the above
- D. Both of the above

16. How to correctly write the **mail ()** function for sending email?

- A. `mail($to, $subject, $body);`
- B. `mail($for, $header, $body);`
- C. `mail($to, $header, $body);`
- D. `mail($to, $subject, $content);`

17. Which one of the following is the **CORRECT** way of defining a function in PHP?
- A. `data type functionName(parameters) { function body }`
  - B. `functionName(parameters) { function body }`
  - C. `function functionName(parameters) { function body }`
  - D. `function { function body }`
18. Which of the following is not a valid variable name?
- i. `$get`
  - ii. `$_2107`
  - iii. `$xFile`
  - iv. `$this`
  - v. `$ifelse`
- A. i and iv only
  - B. i, iv, and v only
  - C. i, ii, iv, and v
  - D. none of the above
19. Primary key is a unique identifier that must follow the certain rules. Which of the following is **NOT** one of the rules for the primary key?
- A. Must always have a value
  - B. Have a value that remains the same (never change)
  - C. Have a unique value for each record in the table
  - D. A representation of the whole fields and columns in a table
20. Which of the following statements about PHP is **NOT TRUE**?
- A. Using external files for holding standard procedures (i.e PHP code), CSS, JavaScript, and HTML design greatly improve the ease of maintaining site.
  - B. When laying out our site using multiple files, the navigation consideration should be omitted because it is not an essential element.
  - C. PHP code are executed on the server, and the result is returned to the browser as plain HTML.
  - D. PHP is compatible with both Apache and IIS web servers.

21. Based on the following PHP code fragment, identify the output:

```
<?php
$r = 149.90;
$quantity = 3;
echo 'The amount you need to pay is $' . $r . ' \n For $quantity items';
?>
```

- A. The amount you need to pay is 149.90 For 3 items
- B. The amount you need to pay is \$' . \$r . ' \n For \$quantity items
- C. The amount you need to pay is 149.90  
For 3 items
- D. Error
22. What will be displayed as output after the following PHP code is executed?

```
<?php
$chocolates = array("Vochelle", "Van Houten", "Toblerone");
$arrlength = count($chocolates);

for($x = 0; $x < $arrlength; $x++) {
    echo $chocolates[$x];
    echo "<br>";
}
?>
```

- A. Vochelle
- B. Vochelle Van Houten Toblerone
- C. Vochelle  
Van Houten  
Toblerone
- D. Vochelle Van Houten Toblerone  
Vochelle Van Houten Toblerone  
Vochelle Van Houten Toblerone

23. Identify which of the following are the correct information about the cookie.
- i. A cookie is a combination of text and numbers that gets entered into the memory of your browser.
  - ii. A way for server to store information on the user's machine so that it can remember the user over the course of a visit.
  - iii. Cookies must be sent from the server to the client prior to any other information.
  - iv. Cookie will automatically expire when the user's browser is closed or when the expiration date or time is met.
- A. i, ii, and iii only  
B. ii, iii and iv only  
C. ii and iv only  
D. All of the above
24. Cookie can be set by using the following syntax.
- A. `$_COOKIE['value'];`
  - B. `cookie_start (name, value);`
  - C. `cookieset(name, value);`
  - D. `setcookie(name, value);`
25. Which of the following is **NOT** a correct combination information about session?
- A. To delete an individual session  
`unset($_SESSION['var']);`
  - B. To remove all of the session data from the server  
`session_destroy();`
  - C. Changing the session behavior  
`session_change(parameter, new_setting);`
  - D. to begin a new session or access an existing one.  
`session_st`



**SECTION B: (Total: 75 marks)**

**INSTRUCTION: Answer only THREE out of FOUR questions.**

**Please use the answer booklet provided.**

**Question 1**

- a. Write a complete HTML script of the form named **feedback.html** as shown in Figure 1 below. Given are:
- i) Method of the form is **POST** and the PHP file reading the input from this form is **handle\_feedback.php**.
  - ii) Title bar displays the text 'Feedback Form'.
  - iii) Input box for comments will display 3 rows and 40 columns.

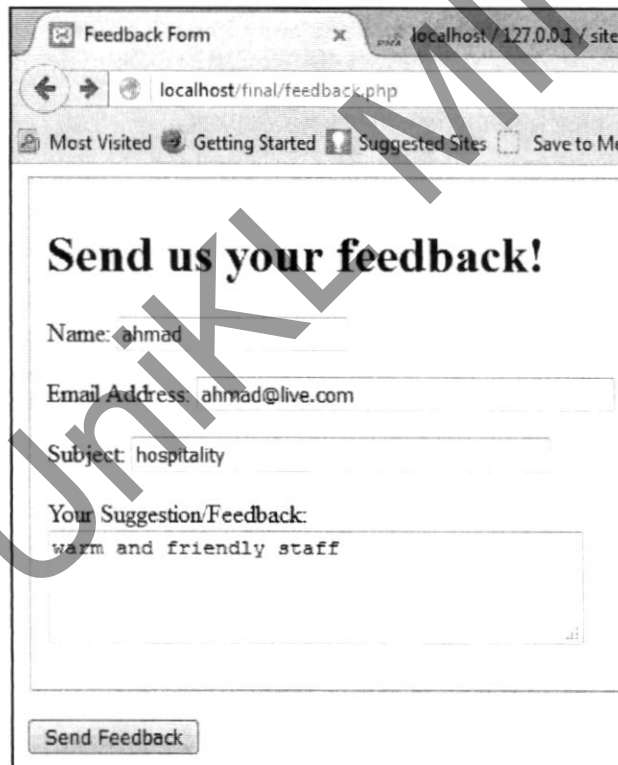


Figure 1: Feedback Form

(12 marks)

- b. Write a complete PHP script named **handle\_feedback.php** that will show an error message (Figure 2) and a successful message (Figure 3).

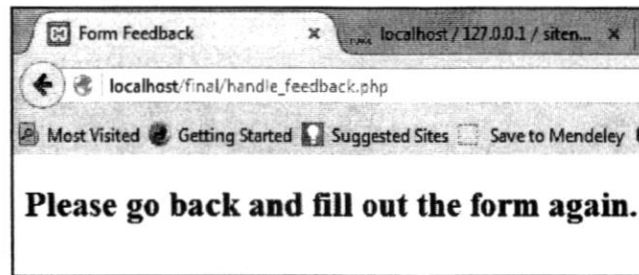


Figure 2: Error Message (If input fields are left blank)

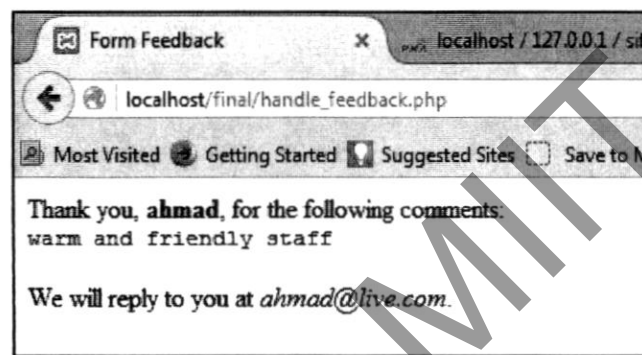


Figure 3: Successful Message

(13 marks)

**Question 2**

- a. Write a PHP program fragment.
- i) Write a suitable **if** statement for the assigned grade with the following exam score as in Table I.

Table I: Exam Grade and Score

Exam Score	Assigned Grade
90 and above	A
80 – 89	B
70 – 79	C
60 – 69	D
below 60	F

(5 marks)

- ii) Write a suitable **switch-case** statement.

Users are required to provide the **price of an article** and a **pricing code**. The program will calculate and display the **new discounted price** based on the **pricing code** and **discount rate** as in Table II:

Table II: Pricing Code and Discount Rate

Pricing Code	Discount Rate
H	50%
F	40%
T	33%
Q	25%
Z	0%

If the pricing code is **Z**, the words **"No discount"** are to be displayed. If the pricing code is **not** H, F, T, Q or Z, the words **"Invalid pricing code"** are to be displayed.

(7 marks)

- iii) Display the first **10** numbers, with their squares and cubes, as in Table III using **while** loop:

Table III: Numbers, Square and Cube

Number	Square	Cube
1	1	1
2	4	8
3	9	27 ...

(5 marks)

- b. An array stores multiple value in one single variable. PHP array could be either indexed or associative arrays.

- i) Given the information of LRT location in Malaysia. Write an associative array with this information:-

(WM,Wangsa Maju; TM,Taman Melawati, DW,Dang Wangi; MJ,Masjid Jamek) and display the third element of the array.

(5 marks)

- ii) Based on the array in Question 2b(i). Display all elements in the array using **foreach** loop.

(3 marks)

**Question 3**

The following questions are related. Customer table (Table IV) is an instance of **bank UMB** database.

Table IV: customer

cust_id	first_name	last_name	cust_address	account_no	loan_amt
001	John	Taylor	19 Taylor St, Cranford, London	101-337	10,000
002	Ann	Harris	81 George St, Glasgow PA1 2JR	102-334	150,000
003	David	Moore	63 Ashby St, Patrick, Glasgow G11	101-878	200,000
004	Mary	Poppins	2 Elm P1, Aberdeen AB2 3SU	103-675	70,000
005	Susan	Goon	5 Gt Western Rd, Glasgow G12	103-777	500,000
006	Julie	Pitt	28 Malvern St, Kilburn NW2	102-444	45,000

Write the SQL statement:

- List all customers with a loan amount between 20,000 and 100,000, showing the customer account no, first name, last name and loan amount. (6 marks)
- List all customers with the string 'Cranford' in their address, showing the customer id, the first name, last name and address. (6 marks)
- List all customers who has make a withdrawal between 10/12/2015 to 12/12/2015 and the amount of withdrawal is 1000.00. Showing the customers first name, last name, transaction date, amount withdrawal and balance amount. (Refer Table IV and V)

Table V: withdrawal

account_no	amt_withdraw	amt_balance	transaction_date	trans_time
101- 337	5000.00	1000.00	11/11/2015	9.00 am
103 - 675	200.00	7000.00	13/12/2015	10.00pm
103 - 777	700.00	5000.00	10/10/2015	10.00 am
102 - 444	1000.00	200.00	12/12/2015	11.00 am

(7 marks)

- Use command **INSERT** to add the data cust\_id = '001' and cust\_id = '005' into customer table. (Refer Table IV:customer)

(6 marks)

## Question 4

```

DB_HOST = "localhost";
DB_USER = "root";
DB_PASSWORD = "admin";
DB_NAME = "artispainting";

```

Figure 4: Connection Information

- a. Write a php program **mysql\_connect.php** to make the connection to the database with **mysql\_error()** to check for any problem related to database. The database name is **artispainting**, the user is **root**, the password is **admin** and is connected to **localhost**.

(9 marks)

- b. Write a PHP program **view\_artist.php** to display **ALL** records from table **artist** as in table VI below: (Include **mysql\_connect.php**)

(16 marks)

Table VI: artist

artist_id	first_name	last_name	art_description	price
1	George	Moore	Beautiful scenery	1000
2	John	Lennon	Cool flower	2500
5	Harrison	Ford	Dark night	6510
11	Brad	Pitt	Happy light	11000

END OF EXAMINATION QUESTION