



UNIVERSITI TUN HUSSEIN ONN MALAYSIA

**FINAL EXAMINATION
SEMESTER I
SESSION 2019/2020**

COURSE NAME : WEB DEVELOPMENT
COURSE CODE : DAT 21303
PROGRAMME : DAT
EXAMINATION DATE : DECEMBER 2019/JANUARY 2020
TIME : 2 HOURS 30 MINUTES
INSTRUCTIONS : ANSWER ALL QUESTIONS

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THIS QUESTION PAPER CONSISTS OF SEVEN (7) PAGES

Q1 The diagram in **Figure Q1** is about a conceptual diagram of the Front-End and Back-End programming for website development.

(a) Explain **THREE (3)** roles of Front-End and Back-End.

(6 marks)

(b) Following HTML codes is about to create a header and paragraph. By using internal CSS link, modify the background-color = green, header = red and paragraph = blue.

```
<html>
<head></head>
<body>
<h1>Ini Merupakan Tajuk 1</h1>
<p> Ini Merupakan Perenggan 1.</p>
</body>
</html>
```

(4 marks)

Q2 (a) There are **TWO (2)** conditions of variable in PHP (global and local), explain both conditions with correct examples.

(4 marks)

(b) Consider the following code segment:

```
$saiz= array( "S", "M", "L", "XL");
$pakaian = array( "Kemeja", "Kasut", "Seluar", "Stokin");
foreach ($saiz as $c){
    foreach ($pakaian as $f){
        echo "Ini Merupakan: $f bersaiz $c .<br/>";
    }
}
```

Write the output to the PHP script above.

(8 marks)

Q3 Array is a structured set of variables and each variables are called as element. There are **THREE (3)** kinds of arrays.

(a) List down each of them.

(3 marks)

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(b) Discuss on each of the array that you have listed. (6 marks)

Q4 (a) Based on **Figure Q4 (a)** write down IF ELSE statement to determine ranges of scores and suitable grades given. (5 marks)

(b) Derive from **Q4 (a)**, change IF ELSE statement to SWITCH CASE in order determine ranges of marks and suitable grades given. (5 marks)

Q5 (a) Explain the differentiation between `mysqli_query()` and `mysqli_connect()` in data binding. (2 marks)

(b) The PHP super global variable `$_POST` are used to post form data. Write down **SIX (6)** variables assignment before it can be posted to server. Those variables are name, age, gender, address, state and phone. (6 marks)

(c) Briefly define `isset()` and `$_SERVER["PHP_SELF"]`. (2 marks)

Q6 Consider the following code segmentation:

```
<?php
$cookie_name = "user";
$cookie_value = "John Doe";
setcookie($cookie_name, $cookie_value, time() +
(86400 * 30), "/"); // 86400 = 1 day
?>
<html>
<body>
<?php
if(!isset($_COOKIE[$cookie_name])) {
    echo "Cookie named '" . $cookie_name . "' is not set!";
} else {
    echo "Cookie '" . $cookie_name . "' is set!<br>";
    echo "Value is: " . $_COOKIE[$cookie_name];
}
?>
</body>
</html>
```

(a) Write down the output of the PHP script above and explain every parameter in `“setcookie($cookie_name, $cookie_value, time() + (86400 * 30), "/");”`. (5 Marks)

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- (b) Write the PHP codes to check enable and delete Cookies with message.
(4 Marks)

Q7 Write the PHP code for the following instructions:

- (a) Start and Destroy the PHP Sessions.
(2 Marks)
- (b) Display two dimensional array data from \$cars variable below.

```

$cars = array
(
    array("Proton",12,22),
    array("Toyota",13,31),
);
    
```

- (2 Marks)
- (c) Compose a PHP codes Date() function to display “Today is 2019/12/24” and “The time is 11:16:30am”.
(2 Marks)
- (d) Compose a PHP codes using DO...WHILE that will display “I LOVE UTHM” **FOUR (4)** times.
(2 Marks)
- (e) Compose a PHP codes to create a complete function to multiply two numbers and print total.
(2 Marks)

Q8 Consider **Figure Q8** which consists of a single form (named it as registration). Write the HTML code for the form.
(7 marks)

Q9 Assume database “store” has been created, it has a table name “items” with fields (itemNo, location, description, quantity) is was created in order to store item data.

Write `sqli` code to connect to database “store” and insert “itemNo, location, description, quantity” into “items” table. You are allowed to Insert any random data.
(5 marks)



Q10 Explain the function of those SQLI commands (alter table, left join and self join). (3 marks)

Q11 Given the information below is about connection to database:

Server = localhost
Username = uthm
Password = admin
Database = SMAP

(a) Write PHP code to bind all the data above to connect to database SMAP and return message if connection failed. (2 marks)

(b) Assume a table name student is created in database SMAP with fields (matric_no, name, address, tel_No). write sql query to select all data in table student and execute the query. (2 marks)

(c) Given matric_no = "AF123". By using the given key, write sql query to update (tel_no to "0199931005") and delete student record based on table student in Q11(b). (4 marks)

Q12 Figure Q12 is a statistical data related to WordPress plugins that has been practice among WordPress users. The highest percentage of being attacked is by using Cross Site Scripting technique. As a developer, before developing any website you need to plan the preventive method of Cross Site Scripting. Identify FIVE (5) preventive method of Cross Site Scripting. (5 marks)

Q13 Describe why sessions and cookies can increase the effectiveness of web system. (2 marks)

- END OF QUESTIONS -

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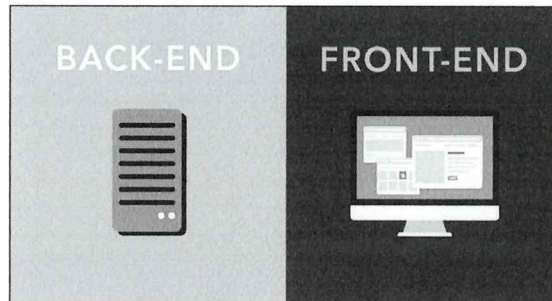


Figure Q1

Scores	Grade
80-100	A+
75-79	A
60-74	B
45-59	C
0-44	Failed

Figure Q4 (a)

Please enter your personal details:

Firstname:

Lastname:

Address:

Username:

Password:

Figure Q8

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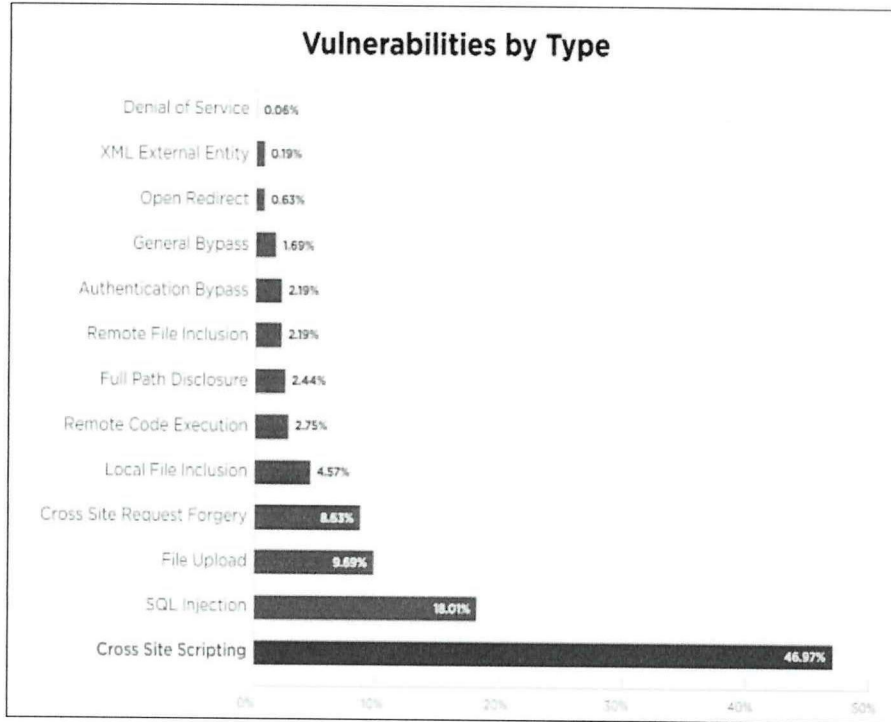


Figure Q12

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