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**UNIVERSITI TUN HUSSEIN ONN MALAYSIA**

**FINAL EXAMINATION  
SEMESTER II  
SESSION 2016/2017**

**TERBUKA**

**COURSE NAME : WEB DEVELOPMENT**  
**COURSE CODE : BIC 21203**  
**PROGRAMME CODE : BIS / BIP / BIW / BIM**  
**EXAMINATION DATE : JUNE 2017**  
**DURATION : 2 HOURS 30 MINUTES**  
**INSTRUCTION : ANSWER ALL QUESTIONS**

**THIS QUESTION PAPER CONSISTS OF FIVE (5) PAGES**

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- Q1 (a) Describe client-side programming. (2 marks)
- (b) Explain the purpose of implementing client-side scripting (8 marks)
- (c) Create a form using HTML markup language as **Figure Q1(c)**. (8 marks)

1st Number :

2nd Number :

The Result is :

Figure Q1(c)

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- (d) Write a JavaScript program to enhance **Figure Q1(c)** so that the form can receive inputs from user and calculate the multiplication of two input numbers and display the result as in **Figure Q1(d)**. (12 marks)

1st Number :

2nd Number :

The Result is : 5

Figure Q1(d)

**Q2 (a)** Write a PHP script to get the PHP version and configuration information. (3 marks)

**(b)** Identify the results of the following program in **Figure Q2(b)**. (5 marks)

```
<?php
$n = 5;
echo "n = " . $n . "<br>";
$count = 1;
for ($i = $n; $i > 0; $i--)
{
    for ($j = $i; $j < $n + 1; $j++)
    {
        printf("%4s", $count);
        $count++;
    }
    echo "<br>";
}
?>
```

**Figure Q2(b)**



**(c)** Examine the program code provided in **Figure Q2(c)**. Write a program trace that explains what each line of the program does. Identify the result that is returned by the program. (15 marks)

```
1 <?php
2 function daysofweek($number){
3 $weeknames=array("Monday","Tuesday","Wednesday","Thursday",
4 "Friday","Saturday","Sunday");
5 return($weeknames[$number]);
6 };
7 ?>
8 <html>
9 <head>
10 <title>Days of week</title>
11 </head>
12 <body>
13 <h1>Days of week</h1>
14 <?php $dayno=4; ?>
15 <p>Today is <?php print daysofweek($dayno); ?>
16 </p>
17 </body>
18 </html>
```

**Figure Q2(c)**

- Q3** (a) Describe Graphic Drawing (GD) Library. (2 marks)
- (b) Explain common uses of GD Library. (6 marks)
- (c) Write PHP code segment to draw a rectangle. (4 marks)

**Q4** Answer **Q4(a) - Q4(e)** based on the given case study in **Figure Q4**.

MajuApparel is a women clothing store located in Parit Raja. The management decided to reach wider market by implementing a web based shopping system using PHP and MySQL. The system must store customers' information which include customer id, customer name, address, phone number, email and password. The system should be able to add record, update, search and delete record. A login page is required so that only a registered customers are allowed to log into the system. The login interface should contain label "username" for the customer to enter their email as their login id, label "Password" for the customer to enter their password and a submit button labelled as "Login". After a successful login, the customer can view their personal information and their shopping history in their user profile page.

Assume the database name is *ApparelShop* and table is *CustInfo*.

**Figure Q4**

- (a) Construct a program to implement the following task;
- connect with the database
  - add record into *CustInfo*
  - display record of *CustInfo*
  - search record based on customer name
  - delete record based on customer id
- (10 marks)
- (b) Discuss **FIVE (5)** requirements to build a login page on MajuApparel website. (10 marks)

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- (c) Propose a user interface design for user login based on information in **Figure Q4**.  
(5 marks)
  
- (d) Write HTML codes for the proposed login interface in **Q4(c)**.  
(5 marks)
  
- (e) Write a pseudocode to authenticate the user login. The user shall receive valid or invalid response.  
(5 marks)

**- END OF QUESTION -**

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