UTHM
Universiti Tun Hussein Onn Malaysia

UNIVERSITI TUN HUSSEIN ONN MALAYSIA

FINAL EXAMINATION
SEMESTER II
SESSION 2015/2016

COURSE NAME	:	WEB DEVELOPMENT
COURSE CODE	:	BIC 21203
PROGRAMME CODE	:	BIS / BIP / BIW / BIM
EXAMINATION DATE	:	JUNE / JULY 2016
DURATION	:	2 HOURS 30 MINUTES
INSTRUCTION	:	ANSWER **ALL** QUESTIONS

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

Q1   (a)   Define Cascading Style Sheet (CSS) and identify their types.

(5 marks)

(b)   Write a source code using HTML markup language to display the output as shown as in **Figure Q1(b)**.
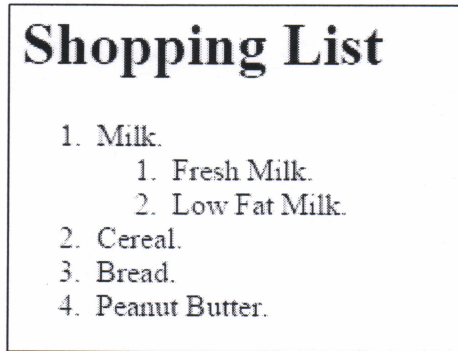
(6 marks)

Shopping List

1. Milk.
    1. Fresh Milk.
    2. Low Fat Milk.
2. Cereal.
3. Bread.
4. Peanut Butter.

Figure Q1(b)

(c)   Write an external CSS rule to enhance Figure **Q1(b)** into Figure **Q1(c)**.

(9 marks)

Shopping List

1. Milk.
    a. Fresh Milk.
    b. Low Fat Milk.
2. Cereal.
3. Bread.
4. Peanut Butter.

Font: Comic Sans MS

Background: yellow

Sub-list use lowercase letters
Font: bold with blue color

Figure Q1(c)

CONFIDENTIAL
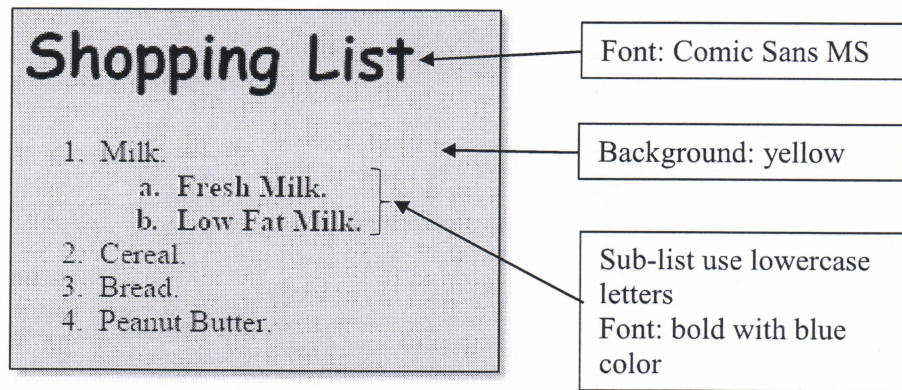
Q2   (a)   Explain the differences between client-side scripting and server-side scripting in terms of platform, execution, source code, security and the need for server.

(5 marks)

(b)   Create a form using HTML markup language as **Figure F2(b)** and write a JavaScript program to calculate the multiplication of two numbers (input from user).

(20 marks)

```
1st Number : 3

2nd Number : 8
Multiply

The Result is : 24
```

Figure Q2(b)

Q3   (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 Q3(b)**.

(5 marks)

```php
<?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 Q3(b)

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(c)   Examine the program code provided in **Figure Q3(c).** Write a program trace that explains what the program does. Identify the result that is returned by the program.

(12 marks)

```php
<?php
function daysofweek($number){
$weeknames=array("Monday","Tuesday","Wednesday","Thursday",
"Friday","Saturday","Sunday");
return($weeknames[$number]);
};
?>
<html>
<head>
<title>Days of week</title>
</head>
<body>
<h1>Days of week</h1>
<?php $dayno=4; ?>
<p>Today is <?php print daysofweek($dayno); ?>
</p>
</body>
</html>
```

Figure Q3(c)

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 decide 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 and 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 "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:

  (i) connect with the database
  (ii) add record into `CustInfo`
  (iii) display record of `CustInfo`
  (iv) search record based on customer name
  (v) delete record based on customer id

  (10 marks)

(b) Propose a user interface design for user login based on information in **Figure Q4.**

  (5 marks)

(c) Build the proposed login interface in **Q4(b)** using HTML markup language.

  (5 marks)

(d) Write a pseudo code to identify either the user login receive valid verification or invalid verification

  (5 marks)

(e) Discuss **FIVE (5)** requirements needed to build a login page on a website.

  (10 marks)

- END OFQUESTION -