UNIVERSITI TUN HUSSEIN ONN MALAYSIA

FINAL EXAMINATION
SEMESTER II
SESSION 2012/2013

COURSE NAME	:	WEB PROGRAMMING
COURSE CODE	:	BIT 31503
PROGRAMME	:	4 BIT
EXAMINATION DATE	:	JUNE 2013
DURATION	:	3 HOURS
INSTRUCTION	:	ANSWER ALL QUESTIONS

THIS QUESTION PAPER CONSISTS OF SIX (6) PAGES

Q1   **(a)**   Outline available HTML versions chronologically.

(5 marks)

      (b)   Give the difference between \<h1\> tag and \<h2\> through \<h6\> tags.

(2 marks)

      (c)   Describe **ONE (1)** type of list.

(3 marks)

      (d)   Outline the output for the code given in **Table 1**.

(10 marks)

Table 1: HTML Code

```
<table border="0" align="center">
  <tr>
    <td colspan="2"><img src="mybanner.jpg" width="970" height="340" /></td>
  </tr>
  <tr>
    <td align="left">
        <ul>
          <li> Home </li>
          <li> About Us</li>
          <li> Site Map </li>
        </ul>
    </td>
    <td align="center"><h1>Asus Product Guide</h1>
      <table border="1">
        <tr>
          <td><b>Price Range</b></td>
          <td><b>Display Specification</b></td>
          <td><b>Models</b></td>
          <td><b>Action</b></td>
        </tr>
        <tr>
          <td rowspan="6">RM 3,000 to RM 5,000</td>
          <td rowspan="2">11.6 inch</td>
          <td><p>Vivo Tab</p></td>
          <td align="center">
              <form>
                  <input type="submit" name="orderButton" value="Buy Now" />
              </form>
          </td>
        </tr>
        <tr>
          <td>X202E / S200E</td>
          <td align="center">
              <form>
                  <input type="submit" name="orderButton" value="Buy Now" />
              </form>
          </td>
        </tr>
        <tr>
          <td rowspan="3">13.3 inch</td>
          <td><p>UX31A-R4003H</p></td>
```

```
                <td align="center">
                    <form>
                        <input type="submit" name="orderButton" value="Buy Now" />
                    </form>
                </td>
            </tr>
            <tr>
                <td>UX32VD-R3001H</td>
                <td align="center">
                    <form>
                        <input type="submit" name="orderButton" value="Buy Now" />
                    </form>
                </td>
            </tr>
            <tr>
                <td>UX31A-C4032H</td>
                <td align="center">
                    <form>
                        <input type="submit" name="orderButton" value="Buy Now" />
                    </form>
                 </td>
            </tr>
            <tr>
                <td>15.6 inch</td>
                <td><p>N56VZ-S4284H</p></td>
                <td align="center">
                    <form>
                        <input type="submit" name="orderButton" value="Buy Now" />
                    </form>
                </td>
            </tr>
        </table>
    </td>
 </tr>
 <tr>
   <td colspan="2" align="center">Copyright Reserved @ 2013 by FSKTM</td>
 </tr>
</table>
```

Q2   Answer the following questions based on the given case study.

> John owns a small bakery. One day he decides to advertise his business on the Internet. On his Web site, he wants to put information about breads, rolls, bagels, doughnuts, and cakes his bakery makes. Few times a year he comes with a new kind of bread or cake, so he would like his Web site to be updated when this happens. In addition, he wants to have a map with directions to help new customers with locating his bakery. He also decides that he is not going to sell his baking goods online.
>
> (Source: www.robertz.com)

(a)   Identify the web programming approach used in developing John's website.

(2 marks)

(b)   Compare **TWO (2)** web content preparation approaches in terms of their technology, content and functionalities.

(6 marks)

(c)   Compare the advantages of adopting the approaches in **Q2 (b)**.

(4 marks)

(d)   Compare the disadvantages of adopting the approaches in **Q2 (b)**.

(4 marks)

(e)   Construct a HTML table as in **FIGURE Q2** that display John's bakeries.

Product Category	Item Name	Price
Bread	Raisin Bread	RM 3.00
Doughnut	Chocolate Doughnut	RM 1.00
Cake	Ice Cream Cake	RM 50.00

FIGURE Q2

(4 marks)

Q3   Answer the following questions based on the excerpt below.

> JavaScript offers input and output functions such as window.alert(), window.status(), document.write(), document.writeIn(), window.prompt() and window.confirm() to capture input and display output in a program.

(a)   State **TWO (2)** input functions.

(2 marks)

(b)   State **FOUR (4)** output functions.

(4 marks)

(c)   Compare the **TWO (2)** input functions identified in **Q3 (a)**.

(2 marks)

(d)   Compare the **FOUR (4)** output functions identified in **Q3 (b)**.

(4 marks)

(e)   State the difference(s) and similarity between document.write() and document.writeIn().

(4 marks)

(f)   Describe **TWO (2)** types of control statement.

(4 marks)

Q4   (a)   Differentiate the usage of inline, embedded and external style sheets.

(3 marks)

(b)   Compare types of style sheets in terms of placement, applicable condition and precedence.

(9 marks)

(c)   Construct Cascading Style Sheets (CSS) statements which assign different color and font size for **THREE (3)** common links states.

(6 marks)

(d)   Describe **TWO (2)** steps used in the process of defining and using classes in style sheet.

(2 marks)

Q5 Answer the following questions based on illustration in **FIGURE Q5**.

```
🔲🔾      purchasedb.customer
? cust_ic : decimal(12,0)
≣ cust_name : varchar(50)
♦ cust_gender : enum('male','female')
```

```
🔲🔾        purchasedb.orderrec
? orderID : int(3)
≣ cust_name : varchar(50)
♦ cust_gender : enum('male','female')
♦ order_item : enum('book','pen','eraser')
```

FIGURE Q5

(a) Modify the attribute for each data tables so that table `customer` can be related to table `orderrec`.

(3 marks)

(b) Explains the modification made in **Q5 (a)**.

(2 marks)

(c) Construct an SQL statement to create both data tables altered in **Q5 (a)**.

(7 marks)

(d) Identify suitable foreign key for table `orderrec`.

(1 mark)

(e) Explains why attribute in **Q5 (d)** are selected as foreign key.

(1 mark)

(f) Construct an SQL statement which assign foreign key in **Q5 (d)** into table `orderrec`.

(3 marks)

(g) Identify the types of relationship between the data tables in **Q5 (a)**.

(1 mark)

(h) Explain your answer in **Q5 (g)**.

(2 marks)

- END OF QUESTION -