<table>
<thead>
<tr>
<th><strong>Session</strong></th>
<th>May 2010</th>
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<tbody>
<tr>
<td><strong>Programme</strong></td>
<td>B.Sc. (Hons) in Internet and Multimedia Computing (BIMCI)</td>
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<tr>
<td><strong>Course</strong></td>
<td><strong>CSC 3221: Internet Programming 1</strong></td>
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<tr>
<td><strong>Date of Examination</strong></td>
<td>13 August 2010</td>
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<tr>
<td><strong>Time</strong></td>
<td>17:00 – 19:00</td>
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<tr>
<td><strong>Reading Time</strong></td>
<td>Nil</td>
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<tr>
<td><strong>Duration</strong></td>
<td>2 Hours</td>
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<td><strong>Special Instructions</strong></td>
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This paper consists of SIX (6) questions. Answer any FOUR (4) questions in the answer booklet provided. All questions carry equal marks.

**Materials permitted** : Nil

**Materials provided** : Nil

**Examiner(s)** : Po Jiang Ling

**Moderator** : Richard Tham Yew Wye

*This paper consists of 4 printed pages, including the cover page.*
INTI INTERNATIONAL UNIVERSITY

B.SC. (HONS) IN INTERNET AND MULTIMEDIA COMPUTING PROGRAMME (BIMCI)
CSC 3221: INTERNET PROGRAMMING 1
FINAL EXAMINATION : MAY 2010 SESSION

This paper consists of SIX (6) questions. Answer any FOUR (4) questions in the answer booklet provided. All questions carry equal marks.

Question 1

(a) With an aid of diagram, discuss how to process server-side script. (10 marks)

(b) List out TWO (2) script languages. Discuss the differences between the mentioned script languages. (10 marks)

(c) Discuss how to include client-side script and server-side script into web document. (5 marks)

Question 2

You are required to maintain a customer-relationship web site for ABC company. These are the current problems faced by the existing system:
- The response time is very slow.
- Losing of the key in information on the form entry.

(a) Identify a suitable scripting technique and language for maintaining the above web site. (3 marks)

(b) Justify the reason of choosing the particular scripting technique and language in Q2 (a). (6 marks)

(c) Discuss the TWO (2) disadvantages of the chosen scripting technique in Q2 (a). (4 marks)

(d) Using VBScript, create a program to read in 10 exam scores from user, calculate the average and count how many exam scores which is less than the average value. Your program shall display the average and number of scores which is less than the average value on the screen. Use an array structure to solve this problem. (12 marks)
Question 3

(a) Using the JavaScript built-in function to solve the following problem.
   (i) Generate a random number between 1 to 10
       (2 marks)
   (ii) Convert the string value to a number.
       (2 marks)
   (ii) Extract the “is Mon” from “Today is Monday”.
       (2 marks)
   (iii) Get the location of alphabet ‘t’ in “Today is Monday.”
       (2 marks)

(b) Write a complete JavaScript program to create an event procedure so that when
    user’s mouse rollover an image, the color of the background will change to yellow
    color and when the mouse leaves the image the background color will change back
    to white color.
    (12 marks)

(c) Discuss the differences between function and procedure. Give an example for each
    of them.
    (5 marks)

Question 4

(a) Write a JavaScript program to define the following object:-
    A book has properties such as book title, publisher, ISDN, price and year of
    publisher. Add in the method to set for each of the properties and display method to
    retrieve the information of a book. Include a constructor to initialize the default
    value for all its properties.
    (15 marks)

(b) With an aid of diagram, discuss the .NET framework and the technologies involved
    in this framework.
    (10 marks)
Question 5

(a) Discuss the structure of a web form in ASP.NET. (6 marks)

(b) State management is the process by which you maintain the information throughout multiple requests by the same or different web pages.

(i) Differentiate between application variables with session variables. Give an example of each. (8 marks)

(ii) Discuss the usage of querystring in maintaining the information. With an example of code, demonstrate how to retrieve the value from the querystring. (8 marks)

(c) Discuss the advantages of changing the properties of Autopostback to true for a textbox in a web form. (3 marks)

Question 6

(a) Discuss the web control that is needed in order to establish the connection with Database server. List out the information consist in this web control. SqlDataSource(2.5m) --(1.5m for each) location of database server, database name, security mode. (7 marks)

(b) List out any THREE (3) navigation controls provided in Microsoft Visual Studio. (3 marks)

(c) Discuss any FIVE (5) ASP.NET validator controls. Provide an example of usage for each of validator controls. (15 marks)

- The End -

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