



**EASTERN UNIVERSITY, SRI LANKA**

**DEPARTMENT OF MATHEMATICS**

**THIRD EXAMINATION IN SCIENCE - 2008/2009**

**SECOND SEMESTER (Sep./Nov., 2010)**

**OC 305 – RAPID APPLICATION DEVELOPMENT**

**(PROPER & REPEAT)**

Answer all questions

Time: 2 hours

1. Compare and contrast the following:

- |  |                                |
|--|--------------------------------|
| i. Load form and show form;                            | ii. Hide form and unload form; |
| iii. Modeless and Model form;                          | iv. Early and late binding;    |
| v. Intrinsic controls and Dataware controls;           | vi. List index and Tab index;  |
| vii. List box control and Data-bound List box control. | viii. Object and Class;        |
| ix. Declaration and Instantiation of an object         | x. Ado and Ado objects.        |

(10\*10 = 100 marks)

2. Write code segment that performs the following tasks:

- i. to clear a text box named tex\_Name;
- ii. to reset the insertion point into a text box named txt\_Name;
- iii. to hide the label named lblAnswer;
- iv. to assign the numeric value 4 into a variable named intnumber;
- v. to assign the value contained in a text box named txtWidth to a label named lblWidth;
- vi. to clear a text box named texPlace and to reset the insertion point to that text box (using the With statement);
- vii. to declare a variable named intQuantity of type Integer;
- viii. to declare a variable named A to store monetary value;

- ix. Declare a string named UserName;
- x. to compute the average of variables named A, B and C and store the value in the variable named D;
- xi. to format a value to three decimal places;
- xii. to set the text box named txtPlace to the empty string;
- xiii. to use the Val function to convert the string literal "123" to a value and assign it to the Integer variable, intQuantity;
- xiv. to assign the value of 10 to the variable intSum, if intNum is greater than 19. Otherwise, assign the value 5 to intSum;
- xv. to assign the string "hello" to the text box txtMessage, if the value of intQuantity is less than 15 or greater than 44 and string "goodbye" to the text box txtMessage, if the value of intQuantity is equal to 30.

(100 marks)

3. a) What is a Connection Object?

What are the Connection Object's methods and properties?

How do you use the Connection Object to connect to a Data Store?

How Do you Use the Connection Object to Execute a Command?

(5 marks)

b) Write short notes on the following:

(i) Data Project;

(ii) Activex User Control;

(iii) VB Application Wizard;

(iv) Visual Data Manager.

(50marks)

4. (i) Explain Crystal Report in Visual Basic. (20 marks)

(ii) How can you create a Crystal Report for an existing database file? Explain.

(20 marks)

(iii) How can you add these reports to a Visual Basic form, add some buttons and add code in button\_click to this form and to display these reports? Explain.

(60marks)