

EASTERN UNIVERSITY, SRI LANKA
THIRD YEAR SECOND SEMESTER EXAMINATION IN SCIENCE (2005/2006)

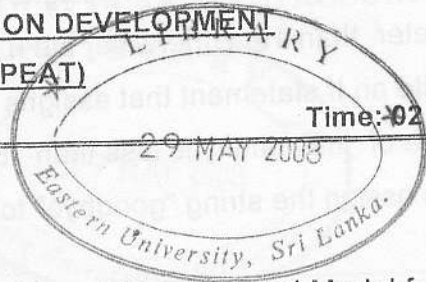
(MARCH/ APRIL, 2008)

OC 305 – RAPID APPLICATION DEVELOPMENT

(PROPER & REPEAT)

Time: 02 Hours

Answer all Questions



Question 01

Compare and contrast the following in Visual Basic.

- (i) Load form and show form, Hide form and unload form, Modeless and Model form,
- (ii) List box control and Data-bound List box control, Seek and Find operation,
- (iii) Image box and picture box, Text box and label, Array and control array,
- (iv) Combobox and Listbox, activex DLL and EXE,
- (v) Class module and Standard Module, Object Browser and Data Environment.
- (vi) Explain how you can Package a Visual Basic Project using Package Wizard.

Question 02

Write a code segments that performs the following tasks follow the precise directions

- (i) Write the VB statement to clear a text named texName.
- (ii) Write the VB statement to reset the insertion point into a text box named txtName.
- (iii) Write the VB statement to make a label named lblAnswer become invisible.
- (iv) Write the VB statement to assign the numeric value 4 into a variable named Intnumber.
- (v) Write the VB statement to assign the value contained in a text box named txtWidth to a label named lblWidth.
- (vi) Use a With statement to clear a text box named texPlace and to reset the insertion point to that text box.
- (vii) Write a statement that declares a variable named intQuantity of type Integer.
- (viii) Write a statement that declares a variable named A to store monetary value.
- (ix) Declare a string named UserName.
- (x) Write a statement that computes the average of variables named A, B and C and stores the value in the variable named D.
- (xi) Write a statement that formats a value to three positions past the decimal (thousandth's place).
- (xii) Write a statement that sets the text box named txtPlace to the empty string.

- (xiii) Write a statement that uses the Val function to convert the string literal "123" to a value and assign it to the Integer variable, intQuantity.
- (xiv) Write an If statement that assigns the value of 10 to the variable intSum if intNum is greater than 19. Otherwise, the If statement will assign the value of 5 to intSum.
- (xv) Write an If statement that assigns the string "hello" to the text box txtMessage if the value of intQuantity is less than 15 or greater than 44. The same If statement should also assign the string "goodbye" to txtMessage if the value of intQuantity is equal to 30.

Question 03

- (i) Explain the objects Database, Recordset, Connection and Command in Visual Basic and explain their properties.
- (ii) Give the syntax of opening a Database using Database object and the syntax of opening Recordset(table) in Visual Basic.
- (iii) Explain the uses of Data control DAO and ADO used in Visual Basic and explain their properties.
- (iv) Explain the procedure of connecting databases MsAccess and SQL, using ODBC and using DAO and ADO controls.
- (v) Explain databound controls in Visual Basic and explain how they were connected to data controls like DAO and ADO.

Question- 04

- (i) Explain how you can use class module to create an object within a Visual Basic project and explain this with an example.
- (ii) Explain the three types of ActiveX components, ActiveX controls, ActiveX Documents and ActiveX code components in Visual Basic.
- (iii) Explain Crystal Report in Visual Basic. Explain how you can create a Crystal Report for an existing database file.
- (iv) Mention some predefined ActiveX components used in Visual Basic and explain their features.