EASTERN UNIVERSITY, SRI LANKA

29 MAY 2008

THIRD YEAR SECOND SEMESTER EXAMINATION IN SCIENCE (2005/2006)

(MARCH/ APRIL, 2008)

OC 351 – RAPID APPLICATION DEVELOPMENT (PRACTICAL)

(PROPER & REPEAT)

Answer all Questions   **Time: 02 Hours**

Question- 01

(i)   Create an *MDI form* . *Add menu* to the form. Create three *child forms*.

(ii)   On clicking the *MDI menu* add the *child* forms to the *MDI form*.

(iii) Add a CommonDialog control to one of the child form and display the *Open dialog box* in it.

(iv)   Add a *Macromedia control* to one of the *child form* and display a sound file.

(v)   Add a *WebBrowser* control to one of the child form and display a Web site.

(vi)   Create a sample *popup menu* in the child form containing the *WebBrowser control*.

(vii)   Create a *toolbar* in the *MDI form* using *picture box* ,place some *Button controls* and add small *image icons* to these *Buttons*.

(ix)   Add an OLE control and *Date and month view control* to one of the *child form*.

(x)   Display all three child forms within the *MDI form*.
        Using the print screen option copy and paste the *MDI* and
        childs in a *word document* and save the file as vbMDI.
        Create an *Exe* file for this *MDI* project and save it .

(xi)   *Package* this *MDI form* project using *Package Wizard* in *Visual Basic*.
        Add vbMDI, .Exe file and the Package file to a folder named VBEXAM.

Question – 02

(I)   Create an example to add an *Activex control* to a *Web page*.

(II)   Create a simple *Activex control* and test that control from a *Standard EXE*.
        Add *properties* and *Methods* to this *Activex* control.

Question – 03

A library wants to automate its lending operations. An author can write several books. You are hired by the owner of the library to develop software in *Visual Basic* . The following information about the authors and books are required by the user. Name of the Author, Address of the author and the books written by the author, price of each book and the date published. Derive the necessary database structure (database, tables, fields and relationships) to store the above information.

Using *Visual Basic* Create a *front end design* for the above library and connect the *backend database*.

(Hint: use *ADO* control or *DAO* control to connect the backend database.)

Question –04

Create an example to demonstrate *Crystal Reports* in *Visual Basic.*

This example should explain making of *Reports* types,

(i)   *Basic report-columnar data,*

(ii)   *Cross-tab* and

(iii)   *Labels.*

(iv)   Add these *reports* to a Visual Basic form and add some buttons.

(v)   Add codes in *button_click* to this form to display these *reports.*

Run the *reports.Copy, paste* these *reports* to a *word document* using *print screen* option. Save the file as VB-REPORTS.