**E.G.S PILLAY ENGINEERING COLLEGE, NAGAPATTINAM**

**DEPARTMENT OF COMPUTER APPLICATIONS**

**SHORT ANSWER TEST – II – ANSWER KEY**

Sub.Code & Name: MC9243 Visual Programming Date :

 Year & Sem : II/IV Time : 50 Mins

Staff Name : Mr. S.Selvaganapathy Max. Marks : 30

**Answer all the Questions (15 x 2 =30)**

1. What is Recordset?

Recordset is a collection of records, created by a query from one or more tables in the database.

1. Write the two basic data access controls in VB.

(i) Intrinsic data control (ii) ADO database control.

1. List out the three modes of file processing.

(i) Sequential mode or Text mode (ii) Random Access mode (iii) Binary mode

1. Give the difference between FileLen() and LOF().

Filelen() – It returns the long value specifying length of the file in bytes.

LOF() - It returns the long value specifying length of the file in bytes for the opened file using open statement.

1. Write sample code for displaying font dialog box and make a text displayed in label to bold.

commondialog1.showfont

text1.font.bold=commondialog1.font

1. What are the graphics controls available in VB? Give the syntax of line function.

The shape control and line control are two graphics control available in shape control.

Syntax: Line (x1, y1)-(x2, y2), color

For example, the following command will draw a red line from the point (0, 0) to the point (1000, 2000).

Line (0, 0)-(1000, 2000), VbRed

1. Differentiate Key Up, Key Press and Key Down events.

Key down and Key up can detect keystrokes not recognized by key press such as function, editing and navigation keys. Key press can distinguish between different ASCII characters generated by the same physical key stroke.

1. What you mean by Tab Index?

Tab Index determines the focus of the tab. It starts with 0 and incremented every time when we add controls. By changing the tab index value we can change the order of tab focus for a control. No controls in the same form can have the same tab index value.

1. Define Project.

Project is a collection of interrelated source files that are complied and linked to make an executable windows based program or DLL.

1. What you mean by Resource Script?

Every project has one text format resource script (RC) file. It can be used to determine the projects menu, string dialog and accelerator resources. It also contains #include statement which is used to bring the resources from other sub directories.

1. List out the VC++ Components.

(i) The Project (ii) Resource Editor (iii) Source code editor (iv) C/C++ complier (v) Resource complier (vi) The Linker (vii) The debugger (vii) AppWizard (ix) Class wizard

1. What is the use of class wizard?

It is a program accessible from Visual C++ view menu. It takes the burden of maintaining application framework. Using class wizard one can write prototypes, function bodies and code to link window messages and functions.

1. Give the importance of AppWizard.

Appwizard is a code generator that creates the working skeleton for windows application in C++ . Using Appwizard one can develop different types of projects in VC++ with minimal code.

1. List out the features of Visual C++ IDE.

(i) Shared by several tools like Visual J++

(ii) Visual Workbench

(iii) Docking windows

(iv) Categorized toolbars

(v) Online help systems

(vi) Customized editors to run macros

1. Define MFC and give its class hierarchy.

The Microsoft Foundation Class Library (also Microsoft Foundation Classes or MFC) is a library that wraps portions of the Windows API in C++ classes, including functionality that enables them to use a default application framework.

(i) CObject (ii) CCmdTarget (iii) CWinThread (iv) CWinApp (v) Cwnd (vi) CFrameWnd (vii) CDialog (viii) CView (xi) Cstatic (x) CEdit (xi) CButton (xii) CListBox (xiii) CComboBox (xiv) CScrollBar