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

**DEPARTMENT OF COMPUTER APPLICATIONS**

**Model Exam**

**Subject Code/Name: MC9243/Visual Programming Marks: 100**

**Sem/Year: II/IV Time: 3 Hrs**

**Staff Name: Mr.** S.Selvaganapathy  **Date:**

 **PART-A 10\*2=20**

**Answer All the Questions**

1. Differentiate Win16 and Win32 API.
2. What is the use of TextOut function? How it differs from DrawText function?
3. Should I use Visual C++ or Visual Basic? Which one is better?
4. Define Control Array. What is the maximum size of array that VB6.0 can handle?
5. What you mean by View?
6. Why is CPaintDC used for WM\_PAINT message instead of normal CDC Object?
7. What are valid and invalid rectangles?
8. How CTreeCtrl differs from CTreeView?
9. What is ISAPI? List MFC ISAPI Server Extension.
10. What are the advantages of WinInet Control over WinSock Control?

 **PART-B 5\*16=80**

1. (a) Explain in detail how user interactions are handled by the Windows OS? **OR**

(b) Write a windows program to register, create and display a window.

1. (a) Write a VB Program to convert numbers from one base to another. **OR**

(b) Write a Calculator Program which let me type in (1+1) \* (2-3) and compute the results using Control arrays.

1. (a) Develop a Windows GDI Pen Object application to draw Rectangle,Ellipse and line objects. Using Brush object fill the above objects. **OR**

(b) Develop a MFC Application to load a Background image (BMP) and erase the image with other image.

1. (a) Develop a Dialog based MFC application which collects subject marks from user for finding grades and total marks of a student. **OR**

(b) Write an application that uses the common Dialog boxes for Font, Color and File. Also have an option for changing the background color of the form with the color toolbar buttons provided and create a status bar to display the status of CAPSLOCK and NUMLOCK.

1. (a) What is DLL? Explain its types and advantages. Write a Program to create user defined DLL. **OR**

 (b) Develop an BANK database application using MFC Wizard to browse, add, delete and refresh the records of Account\_Details table.