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**ANNA UNIVERSITY**  
**COLLEGE OF ENGINEERING**  
**B.E./B.Tech DEGREE EXAMINATIONS, APRIL/MAY 2011**  
**INFORMATION TECHNOLOGY - VI SEMESTER**  
**R-2004**

**IT385 - VISUAL PROGRAMMING**

**Time: 3 Hours**

**Maximum Marks: 100**

**Answer All Questions**  
**PART - A (10 x 2 = 20 Marks)**

1. What is event driven programming?
2. When WM\_PAINT message is generated and how it is handled?
3. What are graphical device interfaces?
4. Differentiate between *GDI bitmaps* and *Device Independent Bitmaps*.
5. Give the uses of Tree Control.
6. How a *listview* control is different from an *imageview* control?
7. What are modal and modeless dialogs?
8. What are keyboard accelerators?
9. Name the MFC classes and methods associated with status bar.
10. Define an ActiveX Control.

**PART - B (5 x 16 = 80 Marks)**

11. (i) Write a program for creating an SDI type of window with scroll bars attached to it. Also explain the various methods and arguments used in the program. (16)
12. a) (i) Write short notes on the various data types in windows programming. (6)  
(ii) Briefly explain the steps involved in creating an SDI type of window and use it to handle mouse events using Application Wizard in VC++ 6.0. (10)

OR

- b) (i) Discuss about various Document-View interaction methods with a sample program. (16)
13. a) (i) Briefly explain the base class, properties and methods associated with any four basic controls used in VC++6.0. (16)

OR

- b) (i) Discuss about the various windows common controls in VC++6.0. (16)
14. a) (i) Write a program in VC++ that explains how to create and work with modeless dialogs like File and Color dialogs. (16)

OR

- b) (i) Explain how to read and write into files using the MFC class *CSerialize* with sample coding. (16)

15. a) (i) Explain how to build a web server and web client with *CHttpBlockingSocket* using pseudocode written in VC++.

(16)

OR

b) (i) Write a program in VC++ that uses MFC ODBC classes for adding and deleting records into a student information table which contains fields like Roll\_No, Name, Branch, Age, Sex and Address.

(16)