

**III B.Tech II Semester Supplementary Examinations,
November/December 2005**

**VISUAL PROGRAMMING TECHNIQUES
(Electronics & Computer Engineering)**

Time: 3 hours

Max Marks: 80

**Answer any FIVE Questions
All Questions carry equal marks**

1. (a) Explain clearly how to use application wizard to create programs.
(b) Describe the use of following types of files produced by VC++ compiler: .obj, .pch, .pdb, .exe
[8+8]
2. Give an Overview of MFC. Mention the various classes of MFC in VC++ and explain them with an example. [16]
3. (a) How do we record a character in a document.
(b) Write a routine to display the text in the view's OnDraw() method.
[6+10]
4. (a) Write a program to create a list box in a window.
(b) Write a program to perform operations like addition, deletion, insertion of items in a list box.
[6+10]
5. A file contains the names of the students and marks scored by them in 3 different exams. At the end of the year, these marks scored by each student are to be added and his results announced. Also the details of students securing I Class, II Class, III Class and failures are to be copied onto different files. Suggest a VC++ implementation to do this. [16]
6. Suggest a format for a VB object that works as a calculator. [16]
7. The salary of an employee is calculated as Basic salary plus DA plus HRA. 20% of Basic Salary is D.A. and 8% Basic is calculated as HRA. Write a VB application to accept the name and Basic salary and display the Gross salary. [16]
8. Explain the Browser control using VC++. [16]

**III B.Tech II Semester Supplementary Examinations,
November/December 2005
VISUAL PROGRAMMING TECHNIQUES
(Electronics & Computer Engineering)**

Time: 3 hours

Max Marks: 80

**Answer any FIVE Questions
All Questions carry equal marks**

1. What is IDE. Explain the various features of IDE of Visual Basic. [16]
2. Discuss the various parts of the VC++ program with the help of a neat diagram [16]
3. What are windows mouse events? How to handle them? [16]
4. (a) Write a simple program using timer control.
(b) Explain how to use scroll bar as input element. [8+8]
5. A club has 10 executive members. The meeting records for the 12 monthly meetings of the year are maintained in separate files. Each file has a list of the members who have attended the particular meeting (not in any particular order). Write a VC++ implementation that reads each file and hence computes the no of meeting attended by each and writes on to a separate file. Note that the meeting proceedings can only be read but not modified. Suggest a VC++ implementation. [16]
6. Briefly explain some of the debugging tools provided by VB-6 . [16]
7. An inventory package accepts details about the name of the item, manufacturer and quantity added / quantity drawn as the case may be. It should indicate the quantity available after the transaction. Also, if the quantity falls below the “reorder level” it should display a message “purchases to be undertaken”. Write a VB application with necessary controls to do this. [16]
8. (a) Create an Active X control in VB.
(b) Explain the procedure to add properties, methods and events to the Active X control in VB.

[6+10]

**III B.Tech II Semester Supplementary Examinations,
November/December 2005
VISUAL PROGRAMMING TECHNIQUES
(Electronics & Computer Engineering)**

Time: 3 hours

Max Marks: 80

**Answer any FIVE Questions
All Questions carry equal marks**

1. What is IDE. Explain the various features of IDE of Visual Basic. [16]
2. (a) Explain the importance of OnDraw function.
(b) What is the class name of the parameter to the OnDraw function? Explain about three member functions from that class. [6+10]
3. What are keyboard message handlers? How are they useful? Give an example to illustrate them. [16]
4. (a) Write a program to create a static control in a window.
(b) Illustrate the use of edit controls in a window, with an example program. [8+8]
5. A folder contains individual files pertaining to different departments of a college. Each department file contains details like the name of the head, names of the faculty, non teaching staff and their personal details (You may assume 2-3 relevant details in each case). There are 5 colleges run by a trust and the details of each college is stored in a separate folder as described. Suggest a VB implementation that allows the chairman of the trust to view and / update any relevant information pertaining to any employee. [16]
6. Write a VB debugging code to debug the multiplication and division operations of a calculator. [16]
7. A College declares the results of it's students as first class, second class, third class or fail depending on whether the average marks scored by the candidate in 3 subjects is $\geq 60\%$, $\leq 50\%$ and $>60\%$; $\geq 35\%$ and $< 50\%$ or less than 35% respectively. Write a VB application to accept the name and marks scored by a student in three subjects and calculate his result. [16]
8. Explain the Browser control using VC++. [16]

**III B.Tech II Semester Supplementary Examinations,
November/December 2005
VISUAL PROGRAMMING TECHNIQUES
(Electronics & Computer Engineering)**

Time: 3 hours

Max Marks: 80

**Answer any FIVE Questions
All Questions carry equal marks**

1. (a) Distinguish between event oriented & procedure oriented programming.
(b) Distinguish between VC++ and C++ by giving suitable examples.
[8+8]
2. (a) Define class wizard. What are the uses of class wizard? Explain different facilities provided by class wizard.
(b) What is device context. Explain different device context classes.
[8+8]
3. Describe the methodology to create a menu using V.B. [16]
4. (a) Write a program to create a static control in a window.
(b) Illustrate the use of edit controls in a window, with an example program.
[8+8]
5. A file contains the names of the students and marks scored by them in 3 different exams. At the end of the year, these marks scored by each student are to be added and his results announced. Also the details of students securing I Class, II Class, III Class and failures are to be copied onto different files. Suggest a VC++ implementation to do this. [16]
6. Briefly explain some of the debugging tools provided by VB-6 . [16]
7. (a) Without using Data control in VB, connect to some database in your system without using DAO. Implement all the buttons provided in the data control using command buttons.
(b) What is Microsoft jet data base engine?
[12+4]
8. (a) Explain the term Active X automation.
(b) Distinguish between Active X container and Active X server.
[8+8]
