

**IV B.Tech I Semester Supplementary Examinations, April/May 2005**  
**VISUAL PROGRAMMING TECHNIQUES**  
( Common to Computer Science & Engineering, Information Technology  
and Computer Science & Systems Engineering)

**Time: 3 hours**

**Max Marks: 80**

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

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1. What are the various steps required in developing an application in VC++.
2. What is device context? Explain how to create pens & brushes using VC++.
3. What are keyboard message handlers? How are they useful? Give an example to illustrate them.
4. (a) Write a program to create a static control in a window.  
(b) Illustrate the use of edit controls in a window, through an example program.
5. A hotel maintains a folder for each room in it. There is a file for each occupant containing information about the occupant, advance paid, rent payable / paid and other details. When the person checks out, the file is closed but retained in the folder. Suggest a VB implementation.
6. Write a VB debugging code to debug the errors in addition and subtraction operations of a calculator.
7. An organization maintains a list of employees. The details of each employee like his name, age, designation and salary are to be recorded. Suggest a VB data base application with suitable properties and controls to accept such details and manipulate them as and when necessary.
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.

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