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**MANIPAL INSTITUTE OF TECHNOLOGY**  
 (Constituent Institute of MAHE – Deemed University)  
 Manipal – 576 104



**SEVENTH SEMESTER B.E (CSE) END SEMESTER EXAMINATION**  
**NOV-2009**  
**SUBJECT: DWA (409)**

**TIME : 3 HOURS**

**MAX MARKS:50**

- Answer any 5 questions

- (5+3+2) Marks

  - Explain VC++ application build process with diagram. Explain linkers, resource compiler and debugger.
  - Write the general code for following.  
 BOOL CmyApp::InitInstance()  
 {..... }
  - Mention any two difference between SDI and MDI.
- (5+3+2) Marks

  - Explain serialize process with diagram. Write the steps done by OnFileNew function when it is called by InitInstance().
  - What are the #include files are contained in .rc file? What is the use of it? (Any 3).
  - Explain ClientDC and WindowDC classes.
- (5+3+2) Marks

  - Write a program to display string in 10 point sizes with Arial Black font. (10 lines, each of different font size).
  - What are the two types of mapping modes? Explain each.
  - How to install ActiveX control in project each time.
- (5+3+2) Marks

  - Explain windows 95 virtual memory map for two process linked to same exe file with diagram. Compare it with windows NT.
  - How main thread talks to worker thread?. Explain.
  - Write the code to set the value in status bar message line pane in view class.
- (5+3+2) Marks

  - Write the steps with code to display the contents of Employee table in client area with EmpID, name and Salary.
  - Write general steps to build a property sheets. (All 7 steps).
  - How to handle the exceptions in MFC ODBC.
- (5+3+2) Marks

  - Write a short note on following.
    - Snapshots
    - Dirty flag
    - Cmenu
    - MM\_TEXT mapping mode
    - Accepting keyboard input
  - Write the code to the following.  
 void Cex Dialog::OnHScrollBar(UINT nSBCCode, UINT nPos, CscrollBar\* pScrollBar)  
 {..... }
  - Write the code to open the file that user has selected through the dialog using Cfile dialog class.