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T 3174

B.E./B.Tech. DEGREE EXAMINATION, APRIL/MAY 2008.

Fourth Semester

(Regulation 2004)

Computer Science and Engineering

CS 1253 — VISUAL PROGRAMMING

(Common to B.E. (Part-Time) Third Semester Regulation 2005)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. Explain in brief the windows MSG structure.
2. List the styles for a push button child window control.
3. State the use of windows message and event handler.
4. Give the resource script file for a modal dialog box.
5. State some messages and selection flags meant for a menu resource.
6. Explain in brief the MFC serialization mechanism.
7. What is an Active X control?
8. Define OLE.
9. State the MFC classes used for ODBC Database programming.
10. State the techniques used for playing audio files.

PART B — (5 × 16 = 80 marks)

11. (a) (i) Explain in detail the GDI Objects. (1) Device Context (2) Brush (3) Pen. (9)
(ii) Write a Win32 program to draw different shapes using different colors and fill styles. (7)

Or

- (b) Explain the windows message map architecture in detail with a sample program. (16)
12. (a) (i) Describe in detail the Microsoft Foundation classes relating to user interfaces. (6)
(ii) Explain the CListBox class and its member Functions in detail with an example program. (10)

Or

- (b) (i) State the use and explain the common dialog control in detail. (10)
(ii) Explain the modal and modeless dialog boxes. (6)
13. (a) (i) Write notes on the Rich Edit Control in detail. (6)
(ii) Explain how reading and writing is done in a SDI Document. (10)

Or

- (b) What is DLL? Explain its types and advantages in detail. Write a program to create a user defined DLL. (16)
14. (a) Develop an application to create a simple Active X control using MFC. (16)

Or

- (b) Explain the OLE drag and drop mechanism in detail. (16)
15. (a) (i) Explain the multithreading concept in VC++. (8)
(ii) Explain the use of WinInet API. (8)

Or

- (b) Develop a database application for maintaining student details. (16)