

C 3147

B.E./B.Tech. DEGREE EXAMINATION, MAY/JUNE 2007.

Sixth Semester

Information Technology

CS 1253 — VISUAL PROGRAMMING

(Regulation 2004)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. What is a window procedure in Windows programming?
2. When the WM_PAINT message is invoked in a windows program?
3. What is the use of classwizard in VC ++?
4. Define application framework of MFC.
5. How the menu items in MFC are enabled and disabled?
6. What is the purpose of update command user interface handlers?
7. What is a class factory?
8. What is meant by the process of in-place activation of OLE?
9. What is the need of the *htons* Winsock function?
10. What is the use of the *ping* command in networking?

PART B — (5 × 16 = 80 marks)

11. (a) Explain the architecture of a Windows program. Explain the various structures used in the Windows program. (10 + 6)

Or

- (b) Write a Windows program to (8 + 8)
 - (i) Display some text at the center of the window.
 - (ii) Display the mouse coordinates as the mouse is scrolled.

12. (a) Explain the various Windows common dialogs available in VC ++.

Or

(b) Explain the process of event handling in VC++. Explain how the message map functions are used for interacting with the user input with a simple application. (8 + 8)

13. (a) Explain the architecture of command message processing in MFC. Explain the various text editing classes of MFC. (8 + 8)

Or

(b) Explain the procedure for working with status bar in MFC.

14. (a) Explain the construction of COM interface for any application.

Or

(b) Explain the concept of MFC OLE drag and drop operation.

15. (a) Explain the various MFC ISAPI server extension classes available in VC++. Implement an ISAPI server extension program to process the details of book order form sent by a client. (8 + 8)

Or

(b) Explain the functionalities of the CBlocking Socket class.