

Reg. No.....

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L 5541

Name.....

**FOURTH SEMESTER M.C.A. DEGREE EXAMINATION
NOVEMBER/DECEMBER 2004**

WINDOWS PROGRAMMING

Time : Three Hours

Maximum : 75 Marks

Part A

*Answer all questions.
Each question carries 3 marks.*

1. How are MFC classes related to system classes ?
2. What is meant by Command Line Parsing ?
3. Illustrate Findwindow (), Get Topwindow (), Get Parent () functions in Win 32 API.
4. What are system key strokes ? Briefly explain.
5. Explain any *one* method of using Windows Timer.
6. What is a Child window ? How they are created ?
7. Name windows functions for drawing lines and explain any *one* of them.
8. How do you add a dialog box to an application ?
9. Write a note on system characters.
10. Briefly explain the term bitmap.

(10 × 3 = 30 marks)

Part B

*Answer any two questions from each module.
Each question carries 7½ marks.*

MODULE I

11. Explain MFC class hierarchy.
12. Discuss the uses of Windows Timer.
13. Briefly sketch how platforms implement the Win 32 API.

MODULE II

14. Discuss "Device Context Attributes for Text".
15. Explain the methods for outputting lines and boxes.
16. Distinguish between Modal and Modeless dialog boxes.

Turn over

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MODULE III

17. Discuss MFC class hierarchy.
18. What is an SDI application ? Explain.
19. Write a detailed note on OLE Programming.

(6 × 7½ = 45 marks)