Roll No. :......................

MCA/D07

WINDOWS PROGRAMMING WITH VISUAL C++

Paper–MCA-305

Time : Three Hours]   [Maximum Marks : 50

Note : Attempt *five* questions, selecting at least *one* question from each unit.

UNIT–I

1. (a) How a DEF file is used by linker tool for the generation of EXE files and DLL files ?   4

    (b) Write a program to create a window that displays a message "Window Programming" at centre when Enter key of keyboard is pressed.   6

2. What are the different methods for creating a menu ? Write code to invoke a Pop-up menu in response to a click of left mouse button.   5+5

3. (a) Explain in detail about Windows API.   5

    (b) What are the main components of a X-Window System ?   5

UNIT–II

4. How controls are created at Run Time ?   10

5. (a) What is the difference between a Window and a Dialog Box ?   4

    (b) Explain the properties of a Edit control with example.   6

6. Explain all the steps performed for the creation of a custom resource with a suitable example. 10

7. (a) What do you mean by Psychic Window ? 4

(b) What is the sequence of steps that takes place while displaying bitmaps ? 6

UNIT–III

8. Write a program in VC++ to create a List Box in a Window. Also implement the operations like Insertion and Deletion of items in a list box. 10

9. Create a Simple Word Processor using VC++. 10

10. What do you mean by Graphic Device Interface ? How GDI functions are used to display a line in a Window ? 10