# 67243

# M.C.A. 5th Sem. (with new notes) (Current Scheme)

## Examination–December, 2014

### Windows Programming & Visual C++

#### Paper-MCA-503

**Time : 3 hours**   **Max. Marks : 80**

Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard will be entertained after the examination.

**Note :** Question No. 1 is **compulsory**. Attempt **four** questions out of four units by selecting **one** question from each unit. All questions carry equal marks.

1. (a) What is the concept by dynamic linking ? How is it achieved ?

   (b) What are VC++ components ?

   (c) What are Intrinsic controls ?

(d) Which multimedia elements help in windows-based applications ?

(e) What are implicit and explicit resources in Window Programming ?

(f) What elements and constructs help in GUI design ?

(g) What are features of splitter windows ?

(h) Write the steps to join two database tables in VC++ ?

## Unit-I

2. (a) What is Windows Programming ? What are the implicit and explicit resources in Window Programming ? Explain in detail.

   (b) What is the structure of a Windows program ? Illustrate all its constructs through a suitable example.

3. Explain the following :

   (a) Windows controls

   (b) Child windows

## Unit-II

4. What are DLLs ? How are these different from EXE files ? Which DLLs are supported by MFC library ? How are these used in VC++ ? Explain.

5. (a) What are Windows API elements ? Discuss significance of each.

   (b) What do you understand by Graphics Device Interface (GDI) ? Illustrate programming with graphics device interface.

## Unit-III

6. (a) What are Dialog Boxes ? How these are created using VC++ ? Illustrate through a suitable example.

   (b) What is Visual Programming ? What languages do you consider most suitable for Visual Programming and why ?

**7.** Write a program in VC++ for adding List Box, List Items, Check Box, Radio Button and Menus to your Window.

### Unit-IV

**8.** (a) What are the steps involved in accessing the database in a Visual C++ project ? Explain.

(a) What are the advantages and disadvantages of VC++ over any other object-oriented language ? Explain with suitable examples.

**9.** (a) What is meant by MFC programming without View Document Architecture ? Explain.

(a) What is ODBC ? How is it different from DAO? Illustrate.

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