

9. (a) What is DAO ? How we connect a VC++ Program to Database by using DAO ? Explain with example in detail.

(b) What are the classes provided by MFC for database management ? List down the key functions in the classes provided by MFC for effective database management.

MCA 5th Semester Current scheme with new notes
maximum marks scheme 80 Examination,

December-2015

WINDOWS PROGRAMMING & VISUAL C++
Paper-MCA-503

Time allowed : 3 hours] [Maximum marks : 80

Note : Attempt five questions in all. Question no. 1 is compulsory. In addition to compulsory question, student will have to attempt four more questions selecting at least one question from each Unit.

1. (a) What do you mean by Application wizard ?
- (b) What do you mean by message boxes ?
- (c) What do you mean by Consoles ?
- (d) What are implicit resources in window programming ?
- (e) What do you understand by MFC and API ?
- (f) What is the use of class wizard in VC++ ?
- (g) Explain creating Icons.
- (h) What do you mean by process bar ?

Unit-I

2. (a) What do you understand by windows programming ? How is it different from

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traditional programming ? Also discuss main features of window programming in detail.

(b) What do you mean by Cursor and Bitmaps ? Explain.

3. (a) What do you mean by window controls ? Explain in detail.

(b) Differentiate the following :

(i) Check box and Radio button

(ii) Window and Dialog Box.

Unit-2

4. (a) What is DDL ? Explain its types and advantages in detail. Write a program to create a user defined DLL.

(b) Explain the following :

(i) Clipboard Drag and Drops

(ii) Multitasking Process and Threads.

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

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(b) What is Graphics Device Interface ? What are the characteristics of a good GUI.? Explain.

Unit-3

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

(b) Write a Program in VC++ for adding radio button and Check Box to your window.

7. (a) What do you mean by MDI Application ? What are the different classes for an MDI application ? Also explain the difference between an SDI application and an MDI application.

(b) Explain the various types of means and their creation in VCC++ using MFC.

Unit-4

8. (a) What is ODBC ? Explain how database connectivity can be achieved using ODBC and write the necessary code.

(b) What do you mean by Database Building ? Explain in detail.

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