

Roll No.

67243

MCA 5th Semester (Non CBCS Scheme)

Examination – May, 2019

WINDOWS PROGRAMMING AND VISUAL C++

Paper : MCA-503

Time : Three Hours] [Maximum 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 examination.

Note : Attempt five questions in all, selecting one question from each Unit. Question No. 1 is compulsory. All questions carry equal marks.

1. (a) What is bitmap ?
- (b) How do you create a window ?
- (c) Define GDI.
- (d) What is a custom control DLL ?
- (e) What is ODBC ?
- (f) What are the VC++ components ?
- (g) What is an Accelerator ?
- (h) Define serialization.

UNIT – I

2. Explain the architecture of a windows program with a sample program.
3. What are the various common controls and dialogs available for programming in Windows ?

UNIT – II

4. Write short notes on :
 - (a) Creating DLLs
 - (b) Rich Edit controls
5. What is GDI ? Explain in detail the basic drawing functions used in windows programming.

UNIT – III

6. Explain the following :
 - (a) Splitter window and multiple views
 - (b) Toolbar
7. What are various functions related to creating and updating menus available in Visual C++ ? Explain in detail.

UNIT – IV

8. Explain about DAO concepts.
9. Explain in detail about MFC ODBC classes taking an example.