M. Sc. (Sem. - VI) (CA & IT) Examination
March/April – 2014
605 : Visual Programming With VC++

Time : 3 Hours] [Total Marks : 70

1 Explain following question : (any six) 18
   (i) What is Application Framework ? Explain string handling function.
   (ii) What is GDI ? Explain GDI object in details.
   (iii) What is Device Context ? Explain CDC.
   (iv) What is document and view architecture ? Explain it.
   (v) Explain mapping mode and dangling pointer.
   (vi) What is MFC ? Explain use of its base classes and derived classes.
   (vii) How to create toolbar ? Write down step for it.

2 Attempt any three : 15
   (i) Write down difference between SDI Vs MDI and mode dialogue Vs modeless dialogue.
   (ii) What is keyboard accelerators ? Explain all events of it with an example.
(iii) What is DLL? Explain it and also explain how to create it.

(iv) Explain message map, C status bar.

(v) Explain GDI coordinate system.

3 Do as directed:

(i) rctt stand for _______ and it is _______ language.

(ii) What is Afx register Wnd Class (MFC)?

(iii) What is Active X control?

(iv) What is memory leak?

(v) ODBC stand for _______ and OLE stand for _______.

(vi) What is exception handling in VC++?

4 Explain following questions: (any five)

(i) Explain Actirex controls Vs ordinary window controls. How to create Active X controls?

(ii) Write down step for create connection of database with a dialogue base application and also write a code for perform navigation.

(iii) What is COM and ATL? Explain ATL objects.

(iv) Explain OLE container.

(v) How to create user define component for list box, combo box and dialogue box? Explain it.

(vi) Explain MFC database classes and also using that make a sample application of it.
Attempt any one:

(i) Write a program to display random shape with random color and random position using timer.

(ii) Write a VC++ program to draw chessboard like boxes (8×8) in the client area. If window is resized the boxes should also get resized. So that all the 64 boxes would be visible at all times.