B.TECH DEGREE EXAMINATIONS: APRIL/MAY 2011

Sixth Semester

INFORMATION TECHNOLOGY

U07IT604: Visual Programming

Time: Three Hours   **Maximum marks: 100**

Answer ALL Questions:-

PART A (10 x 1 = 10 Marks)

1. In an MDI application how many menu resources are there?

 A) At least One   B) At least Two   C) At the most One   D) At the most Two

2. Which of the following is the correct declaration for Window Procedure WndProc?

 A) LRESULT CALLBACK WndProc(HWND, UINT, LPARAM, WPARAM);

 B) LRESULT CALLBACK WndProc(UINT, HWND, WPARAM, LPARAM);

 C) LRESULT CALLBACK WndProc(HWND, UINT, WPARAM, LPARAM);

 D) LRESULT far WndProc(HWND, UINT,WPARAM, LPARAM);

3. A modeless dialog box object should not be

 A) Created on heap   B) Created on stack   C) Global   D) Static local

4. Which API is used to close a modeless dialog box?

 A) EndDialog()   B) KillDialog()   C) CloseDialog()   D) DestroyWindow()

5. Which of the following message will undergo command routing in document view architecture?

 A) WM_CHAR   B) WM_COMMAND   C) WM_LBUTTONDOWN   D) WM_PAINT

6. When a dll is loaded its second parameter has a value:

 A) DLL_ATTACH   B) DLL_PROCESS_ATTACH

 C) DLL_ATTACH_PROCESS   D) DLL_THREAD_ATTACH

7. Which class is used to have more than one view of a single document in an SDI application?

 A) CFrameWnd   B) CView   C) CSplitterWnd   D) CWnd

8. Any user defined COM interface should be derived from_____ interface

 A) IUnknown   B) IOleObject   C) IDataObject   D) IClassFactory

9. Which class represents connection to a data source?

 A) CRecordSet   B) CDatabase   C) CConnection   D) CRecordView

10._____ makes it easy to get and set column values without binding

 A) Data Access Object   B) ActiveX Data Object

 C) Remote Data Object   D) Local Data Object

PART B (10 x 2 = 20 Marks)

11. What are the steps required to create a window?

12. Define Device Context.

13. What are the features of Application framework?

14. Define Message map.

15. How to make a class serializable?

16. Difference between single and multi document interface.

17. What are the features supported by COM?

18. What is the use of CLSIDFromProgID?

19. What is the use of CRecordSet::dynamic?

20. Write the MFC DAO Classes.

PART C (5 x 14 = 70 Marks)

21. a) Write a program using Win32 API to display "Hello KCT" message in the center of a window and explain.

(OR)

  b) (i) What are the two methods of getting a device context handle? Explain. (7)

     (ii) How do you translate the Keystrokes? Explain. (7)

22. a) Illustrate the differences between the modal dialog and modeless dialog with suitable VC++ programs.

(OR)

  b) Write the VC++ program that draws the ellipse on the window using Scrolling view.

23. a) How to create a splitter window? Explain with a programming example.

(OR)

  b) What are the different kinds of DLLs does MFC support? Explain with an example.

24. a) (i) What is COM? Describe the features of COM? (7)

    (ii) Explain in detail about COM interfaces with an example. (7)

(OR)

b) What is OLE? Write the features of OLE Container with suitable examples.

25. a) (i) Draw ODBC architecture and explain. (7)

    (ii) How do you join two database tables? Explain with an example. (7)

(OR)

b) (i) What Databases can you open with DAO? Explain (7)

    (ii) How would you display database records in a scrolling view? Explain with an example. (7)

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