

19/10/13

Degree: B.E./B.Tech.(Full Time)

Regulations: R 2004/2008

Branch: Information Technology

22

Semester: VI

Code No./ Subject: IT385 / IT9021 – Visual Programming

Time: 3 Hours

Max. Marks: 100

Answer ALL Questions

PART – A (10 x 2 = 20 Marks)

1. Write the Windows message Structure.
2. What are the essential components for a MFC message handler to handle various windows messages?
3. Differentiate between *CClientDC* and *CWindowDC* Display Context Classes.
4. Give the significance of MM_TWIPS mapping mode.
5. What are keyboard accelerators? Give examples.
6. What is serialization process?
7. Mention any two properties and methods associated with Animate control.
8. Name the method, when **CRichEditCtrl** is used, that need to be called before the dialog box is displayed and from which member function it must be called?
9. List the functions of ODBC32.DLL.
10. Define an ISAPI server extension.

PART – B (5 x 16 = 80 Marks)

11. With a suitable program explain the concept of message handling in a Windows environment. (16)

12. a) (i) Describe the various text metrics and explain about text formatting in Windows programming. (8)
(ii) Explain the different scroll bar messages and their usage with a sample program. (8)

OR

- b) (i) What are modal and modeless dialogs? Explain about them and discuss about the various windows common dialogs. (16)

13. a) (i) What is a splitter window? (3)
(ii) Describe how to create a single view window with a four way split. (13)

OR

- b) (i) Explain the processing of command message that originate from menu

selection and keyboard accelerators with examples. (16)

14. a) Write a program in VC++ to get student details like name, roll number, sex, semester, image of the student, list of core subjects and list of electives opted by the student. Use appropriate controls for getting and displaying the various inputs. (16)

OR

- b) Explain about the various dynamic controls in VC++ with sample coding. (16)

15. a) (i) Explain with pseudo code how records can be inserted, retrieved, modified and updated into local database tables. (16)

OR

- b) (i) Discuss about the various ways of Building a Web Client with the MFC *WinInet* Classes. (16)