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B.E / B.Tech (Full Time) DEGREE END SEMESTER EXAMINATIONS, APRIL / MAY 2014

INFORMATION TECHNOLOGY

VII Semester

IT 385 / IT 9021 - Visual Programming

(Regulation 2008)

Time: 3 Hours

Answer ALL Questions

Max. Marks 100

PART-A (10 x 2 = 20 Marks)

1. What is a message loop?
2. What is WM_DESTROY message? Give its significance.
3. Mention the MFC classes associated with Pen and Brush.
4. List the various debugging windows available in VC++ IDE.
5. Identify the MFC Class and explain about any two methods associated with tab control.
6. What are ActiveX controls?
7. Differentiate between symbolic linkage and ordinal linkage
8. Name the recordset types.
9. Mention the various tool bar button states.
10. Differentiate between a modal and modeless dialogs.

PART – B (5 x 16 = 80 Marks)

11. (i) Explain about the various ways of acquiring the device context. (6)
(ii) Write a program to create a window with both horizontal and vertical scroll bars. Also draw a rectangle exactly in the center of the client window. (10)
12. a) (i) What is an Application framework? (2)
(ii) Differentiate between an Application framework and class library. (2)
(iii) Describe the various program elements present in a VC++ program code that is generated by an application wizard. (12)

(OR)

- b) (i) Explain the various mouse messages. (6)
(ii) Give the pseudocode and explain the program elements for the following:
Create a window with an ellipse at the top left hand corner of the window.
The ellipse changes color when the user presses the left mouse button while the mouse cursor is inside the rectangle that bounds the ellipse. (10)

13. a) (i) Summarize the steps to add a modal dialog to an existing project. And write a program to create a dialog that contains almost every kind of control.

(16)

(OR)

- b) (i) Explain the various windows common controls with suitable sample codes.

(16)

14. a) (i) Explain Document-view architecture with suitable examples and diagrams.

(16)

(OR)

- b) (i) Explain the processing of command message that originate from menu selection and keyboard accelerators with examples.

(16)

15. a) (i) Explain how to create ActiveX controls at runtime and write a program that uses a calendar control.

(16)

(OR)

- b) (i) Identify and explain the lowest level Windows API for TCP/IP programming with sample codes.

(16)