

T 8123

B.E./B.Tech. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2006.

Fourth Semester

Computer Science and Engineering

CS 1253 — VISUAL PROGRAMMING

(Common to B.E. (Part-Time) Third Semester R - 2005)

(Regulation 2004)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. Write a function which is used to display text and explain the parameters.
2. What is device context?
3. Write any two functions associated with bitmaps and state their use.
4. Explain any two methods associated with C Font dialog.
5. What are accelerators?
6. What are the messages associated with menus?
7. What is ActiveX control?
8. Name any 4 classes from which you can inherit in VC++.
9. What is a thread? How can you create a thread using MFC?
10. Differentiate TCP and UDP clients.

PART B — (5 × 16 = 80 marks)

11. (a) Write a program to create a window and display the same, explain the coding.

Or

- (b) Explain the message loop.

12. (a) (i) Explain how to create an instance of color dialog and the functions associated with it.
- (ii) Write a program using VC++ to paint the background with a brush. Set the color using the coordinates at which the mouse is clicked.

Or

- (b) (i) Differentiate modal and modeless dialog. (4)
- (ii) Write a program to create and display a modeless dialog. (6)
- (iii) Write a program to draw a rectangle as the mouse moves. (6)
13. (a) Develop a dialog based application to simulate a calculator. The calculator should add, multiply, subtract and divide 2 integers.

Or

- (b) Develop a DLL and an exe to use the DLL to add and subtract 2 numbers.
14. (a) Write short notes giving an example for each.
- (i) Containment
- (ii) Aggregation
- (iii) Inheritance.

Or

- (b) Explain how will you create an ActiveX control and use it.
15. (a) Write a program to play a video file.

Or

- (b) Write a program to query the database.
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