Reg. No. : | | | | | | | | | | | |

D 4117

B.E./B.Tech. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2008.

Fourth Semester

(Regulation 2004)

Computer Science and Engineering

CS 1253 — VISUAL PROGRAMMING

(Common to B.E. (Part–Time) Third Semester Regulation 2005)

Time : Three hours Maximum : 100 marks

Answer ALL questions.

PART A — ($10 \times 2 = 20$ marks)

1. List out the arguments required for the create window function.

2. List out the GDI mapping modes associated with windows.

3. Explain the process of getting a Device Context (DC) in an MFC application.

4. What is the difference between modal and modeless dialog box?

5. Explain the uses of status bar.

6. What is the difference between SDI and MDI application?

7. Name any two active X controls and highlight their features.

8. What are embedded components?

9. List out any four member functions of Checord Set and highlight their features.

10. What is Winsock?

PART B — (5 × 16 = 80 marks)

11. (a) Write a windows program to create and display a 'congratulations' message.

Or

(b) (i) Write a windows program to draw a rectangle and to fill it with some color. (10)

(ii) What are child window controls? Explain. (6)

12. (a) (i) What are the advantages of using MFC application frame work. (8)

(ii) Explain the process of creating a modeless dialog. (8)

Or

(b) (i) Write a visual C++ program to draw a window and to draw a circle on it, whenever the left button is pressed. (10)

(ii) Explain the process of placing a bitmap in a push button. (6)

13. (a) Explain the process of creating a menu similar to notepad using VC++.

Or

(b) (i) Explain the process of creating a splitter window. (8)

(ii) Write a DLL to add and subtract two numbers. Write a suitable application to use the DLL. (8)

14. (a) Explain the process of creating and registering an ActiveX control. How is it, consumed in an application? Explain.

Or

(b) (i) What is OLE? Explain its uses. (6)

(ii) Explain the process of creating a component using ATL. (10)

15. (a) Consider a student table with the following schema.

STUDENT (Roll no, class, total)

Write a VC++ program with necessary graphical user interface to accept the details of students from user and to display the average of the class when the 'Average' button is pressed.

Or

(b) Write a VC++ program to implement a simple chat application.