K 1056

B.E./B.Tech. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2004.

Fifth Semester

Information Technology

IF 353 — VISUAL PROGRAMMING

Time : Three hours   Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. What are the ways to trigger WM-PAINT message? What does the message do?

2. What are the supporting features of GUI?

3. Why is IDE more suited to design and develop applications?

4. How does a first VB application look like and how to execute it?

5. What is meant by multithreading?

6. What is an Active X Control?

7. Give two examples for multiple document interface. How many child and parent-windows are available in MDI program?

8. What is distributed COM and list atleast 2 applications?

9. What do dynamic link libraries contain?

10. How to add a view or create a new view to CDV Test Project?

PART B — (5 × 16 = 80 marks)

11. How to create or open a data base connectivity with transactions and discuss the effects of transactions on CRecordset. When does one go for win I32 the ODBC API directly?

12. (a) What is GDI? How to get a device context handle? Discuss both the methods of handling device contexts.   (10)

   List atleast 6 functions to draw point, line and curve along with their activities.   (6)

Or

   (b) Explain the List Box and Scroll Box Class. Write a program to add and remove items in a List box and getting data from the List box.

   Draw Windows Programming Model.

13. (a) Draw the ADO Object Model and describe the various components of it. (8)

Explain also DAO, RDO. (6)

Write any 4 intrinsic controls which can be bound to fields in a recordset. (2)

Or

(b) Discuss programming with VB objects starting from objects, kinds of them, creation, declaration where from objects do come and working with them besides object events and methods. (16)

14. (a) What is meant by Modal dialog and Modeless dialogs? (6)

Give an example for Modeless dialog program. (10)

Or

(b) (i) Write a program using VC++ coding to add, multiply, divide and subtract and store the result in a variable result. (10)

(ii) Explain Windows Message Processing. (6)

15. (a) What do you understand by Multidocument Interface Applications? How to create an MDI and what are the differences when using MDI? What are the tasks to be performed in creating an MDI application? How to switch between SDI and MDI modes? (16)

Or

(b) (i) Explain the purpose of Keyboard accelerators. (6)

(ii) Discuss on popup menus. (5)

(iii) What do you understand by view classes? (5)