B.E. DEGREE EXAMINATIONS: NOV/DEC 2010

Fourth Semester

COMPUTER SCIENCE AND ENGINEERING

U07CS404: Visual Programming

ime: Three Hours   **Maximum Marks: 100**

Answer ALL Questions:-

PART A (10 x 1 = 10 Marks)

1. GUI is also called as _____

   A) Visual Interface   B) Kernel   C) GDI   D) Dynamic Linking

2. The value of tmHeight is the sum of

   A) tmAscent + tmDescent   B) tmAscent + tmExternalLeading

   C) tmDescent + tmExternalLeading   D) tmExternalLeading + tmMaxCharWidth

3. Which combination of the following produces dark blue color?

   A) (128,0,0)   B) (128,128,128)   C) (0,0,128)   D) (0,128,0)

4. 1:1 aspect ratio is followed in which type od mapping mode?

   A) MM_ANISOTROPIC   B) MM_ISOTROPIC   C) MM_HIMETRIC   D) MM_TEXT

5. How many functions are available in CRichEditCtrl?

   A) 7   B) 8   C) 9   D) 6

6. In a toolbar bitmap, each button's height and width is _____

   A) (14,15)   B) (15,14)   C) (17,15)   D) (15,16)

7. Which one of the following statement is false?

   A) COM is not a programming language   B) COM is simple

   C) COM is a DLL   D) COM is efficient

8. COM uses containment and aggregation instead of _____

   A) Encapsulation   B) Inheritance   C) Overloading   D) Data Abstraction

9. Which one of the following is record set type in VC++?

   A) Dynaset   B) Database   C) OLE DB   D) DAO

10. The function :: Sleep(10000) suspends the current thread for _____ Seconds

   A) 10   B) 100   C) 1   D) 1000

PART B (10 x 2 = 20 Marks)

11. What is Hungarian notation?

12. Write down the syntax to display a message box in your client area. Explain its parameters

13. Give the usage of WM_NOTIFY message.

14. Name the parameters available in font height measurements

15. Define rich edit control

16. Write down the states for toolbar button

17. How to identify an interface in COM?

18. Differentiate mini-servers and full-servers linking

19. What is the function of IIS?

20. Diagrammatically represent the MFC ODBC class database relationships.

PART C (5 x 14 = 70 Marks)

21. a) Write a program in VC++ to create a simple window and to display some text in it

(OR)

   b) Write short notes on child window controls and GDI function calls.

22. a) Elucidate the concept of Application framework with an example. Also explain the program elements in it.

(OR)

   b) Discuss in detail about Visual C++ components.

23. a) Briefly explain how the reading and writing is done in MDI documents.

(OR)

   b) Write a VC++ program to create a dialog based application for designing a calculator

24. a) Write a MFC Application Wizard application to create ActiveX controls at run time

(OR)

   b) (i) Write short notes on interfaces of OLE   (7)

   (ii) List out the features of containers.   (7)

25 a) What is meant by Threads?

   List out its types and discuss its concepts.

(OR)

   b) Briefly discuss the database management in VC++ along with its advantages.

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