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B.E. DEGREE EXAMINATIONS: APRIL / MAY 2010

Fourth Semester

COMPUTER SCIECNE AND ENGINEERING

U07CS404: Visual Programming

Time: Three Hours   **Maximum Marks: 100**

Answer ALL the Questions:-

PART A (10 x 1 = 10 Marks)

1. The *wParam* parameter for a WM_SIZE message is the value

   A. SIZE_RESTORED   B. SIZE_MINIMIZED

   C. SIZE_MAXIMIZED   D. All of the above

2. The default mapping mode is

   A. MM_TEXT   B. MM_LOENGLISH

   C. MM_HIMETRIC   D. MM_TWIPS

3. Windows sends WM_COMMAND messages to the appropriate window in response to

   A. user menu choices   B. dialog button clicks

   C. toolbar icon clicks   D. All of the above

4. The window which neither accepts user input nor generates command messages is

   A. Dialog boxes   B. Toolbar   C. Status bar   D. Menu bar

5. In an SDI application, the view window sits inside another window which is

   A. the toolbar window   B. the main frame window

   C. the status bar window   D. the menu bar window

6. Which is the first message that Windows sends to a view

   A. WM_QUERYENDSESSION   B. WM_CLOSE

   C. WM_CREATE   D. WM_DESTROY

7. Which one provides a unified, expandable, object-oriented communications protocol for Windows

   A. COM   B. DLL   C. VBX and OLE   D. DDE

8. The functions *ExternalQueryInterface*, *ExternalAddRef*, and *ExternalRelease* are member functions of

   A. *CSpaceship* class   B. *CPlanet* class   C. *CCmdTarge* class   D. *COrbiter* class

9. SQL extensions like <u>blob</u> (binary large object) capability, allow storage of

   A. pictures   B. sound   C. complex data structures   D. All of the above

10. Which one of the following is not a DAO database class

    A. CDaoWorkspace   B. DAODBEngine

    C. CDaoTableDef   D. CDaoRecordset

PART B (10 x 2 = 20 Marks)

11. What is meant by GDI?

12. Define Raster devices and Vector devices.

13. Define Application framework of MFC.

14. What is the difference between Modal and Modeless dialog boxes?

15. What are keyboard accelerators?

16. Define DLLs.

17. What is ActiveX control?

18. Compare Mini-Server Vs Full Server

19. List out the functions in CRecordset class.

20. What is the use of the ping command in networking?

PART C (5 x 14 = 70 Marks)

21. (a) Write a windows program to

        (i) Display some text at the centre of the window   (7)

        (ii) Display the mouse coordinates as the mouse moves   (7)

(OR)

  (b) Explain in detail the GDI objects

        (i). Device Context   (6)

        (ii). Brush & Pen   (8)

22. (a) Explain in briefly about

        (i). MM_TEXT & Fixed Scale Mapping Mode   (8)

        (ii).Variable Scale Mapping Mode   (6)

(OR)

  (b) Explain the steps for programming a model dialog box with an example.

23. (a) Write a VC++ program to create a menu bar.

(OR)

(b) Write a VC++ program to implement DLL.

24. (a) What is an ActiveX control? How to build an application that uses a calendar control in a dialog?

(OR)

(b) What is OLE? Explain it in detail.

25. (a) Explain how ODBC database connectivity is done in VC++ with a sample application.

(OR)

(b) (i) List out the advantages of WinInet over WinSock   (4)

  (ii) Explain in detail about various MFC WinInet Classes   (10)

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