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B.E. / B. Tech. (FULL TIME) DEGREE END SEMESTER EXAMINATIONS, *APRIL/MAY*
2013

INFORMATION TECHNOLOGY

V SEMESTER

IT 9021 - VISUAL PROGRAMMING

(REGULATIONS – 2008)

Time: 3 Hours

Maximum Marks: 100

Answer All Questions

PART – A (10 x 2 = 20 Marks)

1. How messages are handled in a windows program?
2. What is GDI? Give its significance.
3. List any two significances of MFC classes.
4. Brief the function(s) used for reading a bitmap from the memory.
5. Write a simple code to create a brush object and setting a color.
6. With a sample code brief the initialization of a progress bar control.
7. What is ordinal linkage?
8. Write the code to open a file using a file dialog control.
9. Give the significance of splitter windows.
10. What are ActiveX controls?

PART – B (5 x 16 = 80 Marks)

11. a)(i) Write a program to create a window that displays the coordinates of mouse pointer where the user has performed a double click. (16)
12. a) (i) Describe the steps involved in creating a simple SDI application using application wizard. (16)

Or

- b) (i) Write a program that creates a simple window and displays two concentric circles shaded in two different colors exactly at the center of the client area. (16)
13. a) (i) Create a dialog window to get user details like name, age, sex, address and email id and display the details in a window. Also validate the user inputs. (16)

Or

- b) (i) Explain any four windows common controls with suitable sample codes. (16)

13. a) (i) Explain the CORBA component model. (8)
(ii) Explain the CCM components and containers. (8)

OR

- b) Briefly explain the model driven architecture. (16)

14. a) (i) What are the services offered by CORBA? (8)
(ii) Explain the 'Connectable objects' of CORBA. (8)

OR

- b) Write short notes on
(i) Application Domain (8)
(ii) Context (4)
(iii) Remoting. (4)

15. a) Discuss the component design and implementation tools used in Components in detail (16)

OR

- b) Explain briefly the cross development environment. (16)

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B.E / B.Tech (Full Time) DEGREE END SEMESTER EXAMINATIONS, APRIL / MAY 2014

INFORMATION TECHNOLOGY

VII Semester

IT 385 / IT 9021 - Visual Programming

(Regulation 2008)

Time: 3 Hours

Answer ALL Questions

Max. Marks 100

PART-A (10 x 2 = 20 Marks)

1. What is a message loop?
2. What is WM_DESTROY message? Give its significance.
3. Mention the MFC classes associated with Pen and Brush.
4. List the various debugging windows available in VC++ IDE.
5. Identify the MFC Class and explain about any two methods associated with tab control.
6. What are ActiveX controls?
7. Differentiate between symbolic linkage and ordinal linkage.
8. Name the recordset types.
9. Mention the various tool bar button states.
10. Differentiate between a modal and modeless dialogs.

PART – B (5 x 16 = 80 Marks)

11. (i) Explain about the various ways of acquiring the device context. (6)
(ii) Write a program to create a window with both horizontal and vertical scroll bars. Also draw a rectangle exactly in the center of the client window. (10)
12. a) (i) What is an Application framework? (2)
(ii) Differentiate between an Application framework and class library. (2)
(iii) Describe the various program elements present in a VC++ program code that is generated by an application wizard. (12)

(OR)

- b) (i) Explain the various mouse messages. (6)
(ii) Give the pseudocode and explain the program elements for the following:
Create a window with an ellipse at the top left hand corner of the window.
The ellipse changes color when the user presses the left mouse button while the mouse cursor is inside the rectangle that bounds the ellipse. (10)

13. a) (i) Summarize the steps to add a modal dialog to an existing project. And write a program to create a dialog that contains almost every kind of control.

(16)

(OR)

- b) (i) Explain the various windows common controls with suitable sample codes.

(16)

14. a) (i) Explain Document-view architecture with suitable examples and diagrams.

(16)

(OR)

- b) (i) Explain the processing of command message that originate from menu selection and keyboard accelerators with examples.

(16)

15. a) (i) Explain how to create ActiveX controls at runtime and write a program that uses a calendar control.

(16)

(OR)

- b) (i) Identify and explain the lowest level Windows API for TCP/IP programming with sample codes.

(16)

Roll No.

Total Pages : 3

DMCA/M-15

10328

VISUAL PROGRAMMING

Paper-CS-DE-24

Time Allowed : 3 Hours]

[Maximum Marks : 80

Note : Attempt **five** questions in all, selecting at least **one** question from each Unit. Question No. 1 is compulsory. All questions carry equal marks.

Compulsory Question

1. (i) Why is VB known as event driven language?
- (ii) Why don't menu-bar selections generate click-events?
- (iii) What is an overloaded operator?
- (iv) What is difference between a Decision statement and a Looping statement?
- (v) What does Abs () do?
- (vi) How do you initialize a list control?
- (vii) Which two procedures do Activex control properties require?
- (viii) What happens if you open a file for sequential append access and the file already exists?

10328/K/1672/950

P. T. O.

UNIT-I

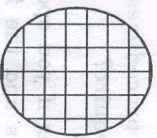
2. (a) Write a program in VB using 'If' statement that compares three numbers and print the greatest of three. 10
- (b) Differentiate between do Loop and For loop. 6
3. Describe the VB IDE in detail. 16

UNIT-II

4. (a) Draw comparison between SDI and MDI interface styles in VB. 10
- (b) How can we create an MDI application? 6
5. Write a code in VB to add a scroll bar to a picture and controlling the size of a Picture using Scroll bar. 16

UNIT-III

6. Discuss random access files in detail. Why do random open statements need to know record length of their data? $12+4=16$
7. (a) Write the steps required to draw the figure given below : 10



- (b) Name two ways to test for an object's class. 6

UNIT-IV

8. Explain the steps involved in creating a Database file for use by VB and then the steps followed for updating the same Database file. 16
9. Write short notes on the following :
 - (a) Using Data Control with forms.
 - (b) Creating and using Activex controls. $8 \times 2 = 16$

67175

**M.C.A. 4th Semester
(with new notes)**

Examination-May, 2015

Visual Languages Programming (New)

Paper-MCA-405

Time : 3 hours

Max. Marks : 80

Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard will be entertained after the examination.

Note : Attempt **five** questions in all. The entire Q. No. 1 is **compulsory**. Attempt **one** question each from unit-I to Unit-IV. All questions carry equal marks.

1. Attempt all the parts in brief : [8×2=16]
- (a) What is Popup menus ?
 - (b) List few properties of text box control ?
 - (c) What do you mean by VB Environment?

67175-1300-(P-4)(Q-9)(15)

(1)

[Turn Over

- (b) Explain DAO.
- (e) What are the different control constructs in VB ?
- (f) What is an event ?
- (g) Give use of Active X documents.
- (h) List various development tools included in VB 6 ?

UNIT-I

2. (a) What is an event ? What is meant by event driven programming ? What are forms in visual basic ? Explain how you can control one form within another. [8]
- (b) Define boxes. List and explain various types of boxes which can be used in Visual Basic. [8]

3. Write short notes on the following : [16]

- (a) Client-server database deployment
- (b) Two-Tier Client-Server model
- (c) Three-Tier Client-Server model

UNIT-II

4. (a) Explain the significance of variant variables. What arithmetic operations are available in VB ? What is their natural hierarchy ? Explain with examples. [8]
- (b) What are the salient features of control arrays ? Explain how to create and work with control arrays ? [8]
5. (a) How procedure and functions are called in VB? Explain with examples.[8]
- (b) What is record set ? What are its properties ? Also explain working with record sets with examples. [8]

UNIT-III

6. (a) What are Active X Data Objects (ADO) in VB ? Explain their structures and working with examples. [8]
- (b) What is Active X in VB ? For what purpose it is used ? What are its advantages ? How active X controls are created ? Explain through a program example in VB. [8]

7. Write short notes on the following : [16]

- (a) Remote data objects and remote data control.
- (b) Using active X control interface wizard and property pages wizard.
- (c) Active X DLL.

UNIT-IV

8. Write short notes on the following : [16]

- (a) Development tools included with VB 6.
- (b) Packaging standard EXE project.
- (c) Working with source safe projects reports & packaging.

9. (a) Explain tools used with VB script and VB script languages. [7]

(b) What do you mean by active server pages ? Explain. [5]

(b) What do you mean by ASP objects ? Explain. [4]

Total No. of Questions—4]

[Total No. of Printed Pages—3

Seat No.	
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[4966]-4002

M.C.A. (Commerce Faculty) (Fourth Semester) EXAMINATION, 2016

402 : VISUAL PROGRAMMING

(Credit System)

(2013 PATTERN)

Time : Three Hours

Maximum Marks : 50

- N.B. :—**
- (i) All questions are compulsory.
 - (ii) Neat diagrams must be drawn wherever necessary.
 - (iii) Figures to the right indicate full marks.
 - (iv) Assume suitable data, if necessary.

1. Attempt any *seven* of the following : [7×2=14]

- (a) Give syntax of message box API.
- (b) Why are virtual keys used ?
- (c) What do you mean by a handle ?
- (d) Explain mapping modes.
- (e) What are different windows resources ?
- (f) What is invalid rectangle ?
- (g) Explain any two GDI functions.
- (h) What are queued messages ?
- (i) How parent talks to its child ?
- (j) What is a host pot and a caret ?

P.T.O.

2. Attempt any *three* : [3×4=12]

- (a) What is the message loop ?
- (b) Explain any two window controls with example.
- (c) What is thread ? Differentiate between multitasking and multithreading.
- (d) Explain ODBC and its architecture.

3. Attempt any *three* : [3×4=12]

- (a) What is timer ? Explain the applications of timer.
- (b) Explain modal and modalless dialog boxes.
- (c) Differentiate between pen and brush
- (d) What is registration of class ? Explain.

4. Attempt any *two* : [2×6=12]

- (a) Write a program to input two integer values using two edit boxes and third box to display factorial of the given values, when OK button is pushed.
- (b) Write short notes on (any *two*) :
 - (i) Hungarian notation
 - (ii) WM-PAINT
 - (iii) Accelerators.

- (c) Write a program's statements using win 32 APIs for the following (winmain not required) :
- (i) When an application begins, a push button is displayed at the bottom left of the right client area. Use up and right arrow keys to move it up and to the right respectively.
 - (ii) Display the number of left mouse button click and right mouse button click, in client area.