

**END-TERM EXAMINATION
THIRD SEMESTER [MCA] - DECEMBER 2004
FRONT-END DESIGN TOOLS**

Paper Code: MCA 207

Time : 3 Hours

Maximum Marks : 60

Q. 1. (a) Name Visual Basic's primary windows. Out of these which one is used as application's background?

(b) How does grid help us to align controls on the form?

(c) What are controls for? Write down three broad categories of controls in VB. Explain them briefly.

Q. 2. (a) How does an application respond to event when so many events can happen at any time?

(b) Differentiate between following:-

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(i) Picture box and Image box

(ii) List box and combo box

(iii) Design Mode and Run Mode

(c) What is wrong with following variable definition?

(i) Dim height as integer.

(ii) Global x3=189

(iii) Global constant flag as integer.

Q. 3. (a) Write a procedure to create a pop-up menu on a form.

(b) What is ADO? How is it differs from a simple data control?

(c) List and describe three specialized controls that use ADO to communicate with any database.

Q. 4. (a) Write down code for following :-

User wants to display following message as label's caption as soon as application starts.

“Today is working Day” if Current day is Monday, Tuesday, Wednesday, Thursday, or Friday.

Else "Today is Holiday"

(b) Write down single statement for each of the following: - 4

(i) Check if the value of numeric variable I is greater than 15. If yes, then print "greater" in label's display.

(ii) Assign the value returned from a function 'Input Box' to the integer variable 'User input' Function input box should display the message "Enter your input" and input box title bar should display "Data Input".

(c) What is scope of a variable? In how many ways variable scope can be defined. Explain giving example. 1+1+3

Q. 5. (a) What is difference among SDI and MDI? When MDI is preferred over SDI? Also name a third interface style which is becoming more popular over SDI and MDI.
2+2+1

(b) What is help file? How can we create a help file for any VB application? Write down complete steps. 2+4

(c) How can we access individual array element and control array elements? 1

Q. 6. (a) From where do the time and date function get their values? Describe the purpose of Timer () function. What is the most important property (which is to be set) where using timer () function.
1+1+2

(b) What is difference between Active X control and OLE control? Write down three controls names for each. How can an active X control be added to tool bar. 2+2+2

(c) What is Dynaset-type? Give its usage. 2

Q. 7. (a) User has created a "COMPANY" database in MS-Access. Now he wants to access it through VB. Write down complete steps to open his DB through VB. 3

(b) In how many ways user can retrieve data from a table and get its display on the form. Which important properties are to be set for accessing a table? 2+3

(c) What is COM/DCOM? How an external worksheet designed in MS-Excel may be accessed in VB environments? 2+2

Q. 8. (a) When a crystal report utility preferred over data report? Why?
2

(b) Compute results for following statements:- 3

(i) Ans = int (-40.50)

(ii) Ans=int(40.50) (Ans is integer)

(iii) Astr = Mid \$ ("Examination",3,4) (aster is string)

(c) Write a procedure that asks the user for entering his birth date. If user enters valid date (if invalid keep on taking new values), then display a message box showing "Eligible for Voting" if his age is more than 17. If his age is more than 65 then display "Elder citizen" else display "Not eligible for voting". 4

(d) Define debugging? Which types of error are detected using debugging?
What is the usage of immediate window? 1+1+1

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