

# END TERM EXAMINATION

THIRD SEMESTER [MCA] DECEMBER 2007

Paper Code: MCA207

Subject: Front End Design Tools

Time: 3Hours

Maximum Marks: 60

Note: Attempt all Questions. Internal choice indicated.

**Q.1** Short answer questions: -

- What are event procedures? Give two examples.
- In the properties of a listBox what is meant by ListIndex?
- Discuss the difference between global scope and local scope of a variable
- Write the code in VB to calculate and print  $A+B+C$ ,  $A*B/C$  and  $A+B*C$
- Declare an array of customer records with the following fields: -  
Accountnumber, firstname, Surname, Balance
- Discuss Get, Let, Set Properties.
- Explain the Difference between a Recordset and Dynaset.
- Explain with an example the purpose of ReDim Statement.
- Explain control arrays and their advantages
- Explain DBgrid control.

**Q.2** Write a program to calculate the area perimeter. Program specifications: -

- The user enters the input values for length, with.
- Click the calculate button displays the area and perimeter of the two rectangles in two labels.
- The formula for calculating area is length\*width.
- The formula for calculating perimeter is  $2*width+2*length$ .
- User inputs should be accurate upto two decimal places.

**OR**

Explain the purpose of the following with examples: -

- Combo box
- Checkbox
- Timer
- Frame
- Option buttons

**Q.3** Write a click code to determine and display the grade of a student as follows: -

Marks	Grade
<50	'Fail'
>50 and < 80	'Pass'
>80	'Distinction'

- Explain the difference between the sub Function procedures with example.
- Explain in brief the working and purpose of a watch window.

**Q.4** (a) Explain the difference between a static array and a dynamic array. Give examples

(c) Write a program to do the following task: -

- Enter upto 5 number and store them in array.
- Output an appropriate message if the user attempts to store the 6<sup>th</sup> number.

- (iii) The contents are displayed at any time.
- (iv) A click for a command button 'Find Number' to search a number in the array.
- (v) If found, Display 'The number is found'.
- (vi) If not found display 'The number is NOT found'.

**Q.5** Differentiate between **any two** of the following: -

- (a) MDI and SDI applications
- (b) DAO vs. RDO
- (c) Dynaset and snapshot