

# END TERM EXAMINATION

THIRD SEMESTER [BCA] DECEMBER-2009

Paper Code: BCA205

Subject: Front Eng Design Tools

Paper Id-20205

Time : 3 Hours

Maximum Marks :75

Note: Q.1 is compulsory. Internal choice is indicated.

- Q1 (a) What are pass through SQL? (10x2.5=25)  
(b) Explain MDI and SDI.  
(c) Differentiate between property and event.  
(d) Explain private, public and static variables.  
(e) What is COM/DCOM?  
(f) What is a Data control and give its uses?  
(g) What are operators in VB? Give examples.  
(h) What are send keys?  
(i) What is a Recordset? What are three types of Recordset?  
(j) What are common dialog Boxes? List different common Dialog Boxes.

## UNIT-I

- Q2 (a) Write a program in VB to calculate simple interest. (3)  
(b) Give difference between arrays and dynamic arrays. How they can be created? Give syntax. (5)  
(c) Explain conditional statements in VB with examples. (4.5)

OR

- Q3 (a) Write a program using arrays to input high temperature of Last Seven Days. Use two buttons on screen- one to input the temperatures- two to display average. (5)  
(b) Explain function procedures and sub procedures with examples. (4)  
(c) Explain built-in and user defined types with examples. (3.5)

## UNIT-II

- Q4 (a) What is Timer Control? List property to disable timer control and to set time. (3)  
(b) What are control arrays and how they can be created at design and run time? (4.5)  
(c) Write short notes on:- (2x2.5=5)  
(i) Error handling in VB (ii) MS common control components.

OR

- Q5 (a) Explain the following:- (2x2=4)  
(i) Picture control (ii) Printer object  
(b) Write a code to OPEN, add and read records from Binary files. (3.5)  
(c) Explain the properties and various methods used to manipulate ListBox control. Make a program to make a list of styles of font on press of a button. (5)

## UNIT-III

- Q6 (a) What is ADO control and what are advantages of ADO data control? (3.5)  
(b) What are crystal reports? Write steps to create crystal reports. (4)  
(c) Write a program to get personal and official information from the user on one form and save in two database tables named OFFICIAL and PERSONEL on a single click. (5)

OR

- Q7 (a) What are data reports? Write steps to create Data Reports. (4)  
(b) Write a VB code to connect to MSAccess database namely students using DAO. Handle all database operations - Add, Delete, Edit and Save. Details of database:- (5)  
Tablename- admissions  
Columnname\_ St\_Id, St\_name, St\_DOB, St\_Program.  
(c) Explain concurrency control. Explain Begin Trans and End Trans statements. (3.5)

## UNIT-IV

- Q8 (a) Write short notes on the following:- (2.5x3=7.5)  
(i) Visual source safe (ii) COM implementation in VB (iii) Microsoft Transaction Server  
(b) What are MAPI control used for? Write a program to show their working. (5)

OR

- Q9 (a) How can we add content sensitive help with VB application? (5)  
(b) How can we access MSEXCEL worksheet from VB environment? (4)  
(c) What are window API and how they are used in VB? (3.5)

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