CS/MCA/Odd/Sem-5th/MCAE-502B/2015-16

MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY, WEST BENGAL

## MCAE-502B

### WINDOWS PROGRAMMING WITH VB

Time Allotted: 3 Hours                                             Full Marks: 70

*The questions are of equal value.*
*The figures in the margin indicate full marks.*
*Candidates are required to give their answers in their own words as far as practicable.*
*All symbols are of usual significance.*

### GROUP A
### (Multiple Choice Type Questions)

1. Answer *all* questions.                                          10×1 = 10

(i) Which of the following method is correct to return a value of x from a user defined function, say funct()?

(A) funct = x                    (B) funct.Return (x)

(C) Return x                     (D) Return (x)

(ii) An MDI form should have

(A) only one parent form         (B) only one child form

(C) both (A) and (B)             (D) at least one child form

(iii) The Me keyword refers to the

(A) current selected control     (B) current active control

(C) current file                 (D) none of these

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(iv) SQL query can be run on connection object using which of the following method?

(A) Perform               (B) Open

(C) Execute               (D) Run

(v) RDO stands for

(A) Random Access Data Object     (B) Remote Data Object

(C) Rapid Development Object      (D) Rapid Access Data Object

(vi) If you do not specify a cursor type, ADO uses which of the following as default?

(A) adUseNone           (B) adUseServer

(C) adUseClient          (D) adUseBatch

(vii) An Active X DLL is

(A) In-Process Server        (B) Out-Of-Process Server

(C) Both (A) and (B)        (D) None of these

(viii) Timer control contains _____ number of events.

(A) 0                  (B) 1

(C) 2                  (D) none of these

(ix) How many consecutive commas (,) will be there after the radius parameter in the Circle command if an Ellipse is drawn with no color option?

(A) 1                  (B) 2

(C) 3                  (D) 4

(x) Which VB object does not exhibit event driven property?

(A) Form              (B) Module

(C) Command Button       (D) Text Box

## GROUP B
### (Short Answer Type Questions)

Answer any *three* questions.      3×5 = 15

2. Discuss the difference between declaring a variable in the general declaration section of a standard code module and declaring variable in the general declaration section of a form code module?    5

3. (a) What is the difference between hide and unload form methods?    2

   (b) In Window based programming what do you mean by controls, properties of control, events and methods?    3

4. (a) What is Multiple Document Interface (MDI)?    2

   (b) Write an event procedure for a command button to find the smallest among the 3 numbers given.    3

5. Explain the difference between ByRef and ByVal. When would each be used?    3+2

6. (a) Where will we give the option explicit keyword and for what?    2

   (b) What is option base? Differentiate between option base and option explicit.    3

7. What is recordset? Differentiate between active X DLL and Active X EXE.    1+4

8. (a) What is Windows Registry?    2+3

   (b) What is the role of Registry Editor?

## GROUP C
### (Long Answer Type Questions)

Answer any *three* questions.                                    3×15 = 45

9. (a) What is the difference between Dim and Redim statements?    3×5 = 15

   (b) What is Static Variable?

   (c) What is meant by Control arrays?

   (d) What do you mean by DAO?

   (e) How can we create a pop-up menu?

10.    Explain the following with example:                        3×5

   (a) Msgbox statement

   (b) Inputbox() function

   (c) Listbox control

   (d) Two-Tier client server model

   (e) Windows API

11.    How many ways a Visual Basic application can connect to a database? What    3+3+6+3
       is ODBC? Briefly explain the ODBC architecture. What is Seek Method?
       Which type of record set is available in this method?

12.(a) What is Dynamic Array? In what situations is it used? Explain with an
       example. Explain the significance of "Preserve" keyword.

   (b) Write an event procedure for a command button to find the factorial of any
       number.

   (c) What is the purpose of menu editor? How is menu editor accessed?