CS/MCA/SEM-5/MCA-E-502B/2011-12

2011
WINDOWS PROGRAMMING WITH VB

Time Allotted : 3 Hours   *Full Marks* : 70

The figures in the margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

GROUP – A
(Multiple Choice Type Questions)

1.   Choose the correct alternatives for the following :

$10 \times 1 = 10$

   i)   Visual basic is a/an

      a)   Fully Object Oriented Language

      b)   Object Based Language

      c)   Procedure Oriented Language

      d)   None of these.

   ii)   In Visual Basic, "ReDim" is used to

      a)   increase the size of the array

      b)   decrease the size of the array

      c)   both (a) and (b)

      d)   change the dimension of the array.

iii) An user defined function, say add(A As Integer, B As Integer) wants to return the sum of the variable A & B, What will be the correct statement ?

    a)   ret A + B   b)   return (A + B)

    c)   add = A + B   d)   none of these.

iv) In Visual Basic the control that helps in displaying the data as hierarchy is

    a)   Slider control   b)   Tree View control

    c)   Status Bar control   d)   Mask Edit control.

v) Which VB object does not exhibit event driven property ?

    a)   Form   b)   Module

    c)   Command Button   d)   Text Box.

vi) The output of

v=instr("APPLE...A...DAY", "a", 3, 1)

v1=mid("RAMESH...KUMAR ",v, 6)

Print left(v1,4) is

    a)   ..KU   b)   KUMA

    c)   ...K   d)   ESH.

vii) Which VB control is not visible at run time ?

    a)   Adodc   b)   Combo box

    c)   Timer   d)   Frame.

viii) Which of the following controls is having only a single event ?

    a)   Text box   b)   Command button
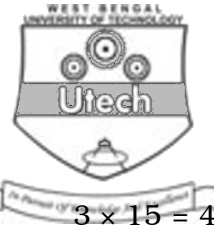
    c)   Timer   d)   Scroll bar.

ix) Which of the following is not an MDI application ?

    a)   Microsoft Word

    b)   Microsoft Excel

    c)   Microsoft Power Point

    d)   Notepad.

x) .... is designed as an easy-to-use application level interface to microsoft's newest and most powerful data access paradigm, OLE DB.

    a)   ODBC   b)   ADO

    c)   RDO   d)   DAO.

GROUP – B

(Short Answer Type Questions)

Answer any *three* of the following.   3 × 5 = 15

2. What is dynamic array ? How you can increase the size of the dynamic array without removing its content ? What is array of arrays ? Explain with some suitable example.

                                                       1 + 1 + 3

3. What do you mean by "call by value" and "call by reference" ? Explain with some example.   2 + 3

4. a) What is control array ? Explain with examples how to create them. What is their use ?

    b) Explain both index parameter and index property related to control array.   3 + 2

5. a) What is the use of the immediate window ? Explain.

    b) Discuss about different forms of variable declarations in VB.   2 + 3

6. Write a program to input a number (by using inputbox) and show that number is palindrome or not by using a messagebox.

GROUP – C
(Long Answer Type Questions)
Answer any *three* of the following.   3 × 15 = 45

7. a) Differentiate between MSGBox and InputBox.   3

    b) Write a program that will take four integer numbers using InputBox() function and display the product, the sum of factorial of each number using MSGBox() function.   8

    c) How can you create a pop-up menu ?   4

8. a) What is procedure ? How many types of procedure are there in VB ?   2 + 1

    b) What are the differences between them ?   4

    c) How can you pass unknown number of arguments to a procedure ? Explain with some example.   5

    d) What is "Named Arguments" ? Explain.   3

9. a) Explain how you can create a pop-up menu.   4

    b) Write a VB program to insert *n* numbers into a sequential file. Next all the prime numbers are printed after reading from the file.   6

    c) What is the use of Paramarray ? Where is it used ? Explain with suitable examples.   5

10. a) Describe the different ways to access files in visual basic.   6

    b) Write a program to input a list of numbers (up to a range) and sort (in ascending order) those numbers by using the selection sorting and display those numbers.   9

11. Write short notes on any *three* of the following :   3 × 5

    a) Encapsulation

    b) Project Explorer

    c) Common Dialog Box

    d) Clipboard

    e) Menu Editor

    f) DAO.