

Roll No.

Total No. of Pages : 03

Total No. of Questions : 14

M.Sc-(IT) (Sem.-2)
VISUAL BASIC PROGRAM

Time : 3 Hrs.

Max. Marks : 75

INSTRUCTIONS TO CANDIDATES :

1. SECTION-A will be compulsory and have 20 questions of 1 mark each.
2. SECTION-B will have 8 short answer type questions of 5 marks each, out of which candidate will have to attempt any 5.
3. SECTION-C will have 5 long answer type questions of 10 marks each, out of which candidate will have to attempt any 3.

SECTION-A

1. Multiple Choice Questions :

- What is the default value for multi-select property of list box control?
 - 1
 - 2
 - 0
 - none
- What type of numeric variable type holds the most data?
 - Short
 - Long
 - Integer
 - Single
 - Double
- Which property of list box control reports the number of selected items.
 - ListIndex
 - Selected
 - Selcount
 - NewIndex
- Suppose that the selector in a Select Case block is the string variable myVar. Which of the following is NOT a valid Case clause?
 - Case "Adams"
 - Case "739"
 - Case (myVar.Substring(0, 1))
 - Case myVar.Length
- What is the proper syntax when using a message dialog box?
 - MessageBox.Show("Hi there", "Hi")
 - MessageBox.Show(Hi there, Hi)
 - MessageBox.Show "Hi There", "Hi"
 - MessageBox.Show Hi There, Hi

Fill in the Blanks :

- f. IDE stands for
- g. Instr\$(text1.text, "visual") will return
- h. A graphical depiction of the logical steps to carry out a task and show how the steps relate to each other is called a(n)
- i. If you want a list box control with check box option, which property of list box control you will have to change
- j. property of option button control one can change the font color of the caption.
- k. If there is a control array of label for 10 elements, then will be the fifth element in the array?
- l. Control is used to display text, but user cannot change it directly.
- m. Function is used to return a copy of a string without leading spaces.
- n. combines the features of the text box and list box.
- o. What will be displayed when the following lines are executed?
Dim a, b, c As String
a = "THE WHOLE"
b = "PART"
c = a.Substring(CInt(Math.Sqrt(4)), b.Length)
txtBox.Text = CStr(c)

True/False :

- p. The visual basic code editor will automatically detect certain types of errors as you are entering code.
- q. A Do Loop Until block is always executed at least once.
- r. A variable declared inside a Select Case block cannot be referred to by code outside of the block.
- s. Given that $x = 7$, $y = 2$, and $z = 4$, the following If block will display "TRUE". If $(x > y)$ Or $(y > z)$ Then txtBox.Text = "TRUE" End If.
- t. What is the output of the following code MyString = "Hello World"
LeftString = left(MyString, 3).

SECTION-B

2. Explain visual basic control tool categories.
3. How to write code for generating error messages. Explain with suitable example.
4. Explain how to declare arrays and write the code to pass arrays to procedures.
5. Explain the types of ActiveX components available in visual basic.
6. Write the process of connecting with data source and various operations such as retrieving, sorting and searching with example.
7. Explain the types of errors which come while debugging a new project? What type of error handlers available in visual basic?
8. What is ADO data control? How to access ADO data control?
9. How to display output data using labels and text boxes. Write the code with help of example.

SECTION-C

10. Explain OLEDB and IDE(Integrated Development Environment)Components?
11.
 - a. Explain MsgBox() and InputBox()?
 - b. Explain String Functions in Visual Basic?
12. Explain use of the following properties with the help of code :
 - a. Columns property of listbox.
 - b. Style property of command Button.
 - c. Wordwrap property of label.
 - d. Stretch property of Image.
 - e. Picture property of Picture.
13. Write a short note:
 - a. Data types in visual basic
 - b. Array
 - c. Message Box and Input Box
 - d. Menus
 - e. Common dialog box.
14. Explain object oriented programming concept in VB.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.