

**BCA 5th Semester Exam., 2018**

**WINDOWS PROGRAMMING USING VB.NET**

Time : 3 hours

**Full Marks : 60**

**Instructions:**

- i) The marks are indicated in the right-hand margin.
- ii) There are **SEVEN** questions in this paper.
- iii) Attempt **FIVE** questions in all.
- v) Question Nos. **1** and **2** are compulsory.

1. Choose the correct answer (any six) :  $2 \times 6 = 12$

- (a) The \_\_\_\_\_ variables are accessible from within the program that contains their declaration, as well as anywhere else in the same assembly.
- (i) protected
  - (ii) friend
  - (iii) protected friend
  - (iv) private

(b) \_\_\_\_\_ function in VB.NET is used to convert character code to character.

- (i) Char
- (ii) Format
- (iii) Convert
- (iv) Chr

(c) \_\_\_\_\_ function in VB.NET converts character to character code.

- (i) Chr
- (ii) Val
- (iii) Asc
- (iv) Str

(d) \_\_\_\_\_ are symbolic names given to values stored in memory and declared with the dim keyword.

- (i) Keywords
- (ii) Operators
- (iii) Variables
- (iv) Expressions

(e) The \_\_\_\_\_ property in array class of VB.NET, returns an integer indicating the number of dimensions of the array.

- (i) sort
- (ii) reverse
- (iii) rank
- (iv) index of

(f) \_\_\_\_\_ method converts the value of the instance to a double representing the OLE automation date.

- (i) Date CONV
- (ii) TO OA Date
- (iii) OLE Date
- (iv) Auto Date

(g) The keyword \_\_\_\_\_, gives variables protected access, which means they are accessible only from within their own class.

- (i) protected
- (ii) friend
- (iii) protected friend
- (iv) private

(h) \_\_\_\_\_ datatype in .NET FCL corresponds integer datatype in VB.NET.

- (i) System.Int32
- (ii) System.Int64
- (iii) System.Int16
- (iv) System.Number

(i) \_\_\_\_\_ is generally used for editable text although it can also made read only.

- (i) TextBoxControl
- (ii) RichTextBox
- (iii) TextBoxBase
- (iv) TextBox

(j) In order for the scroll bars to actually appear, the text box's \_\_\_\_\_ property must be true.

- (i) MultiLine
- (ii) MultiText
- (iii) Scrolling
- (iv) MultiVisible

**2. Answer any three of the following :**

- (a) In how many ways a function can return value in VB.NET? What is a stream in VB.NET?
- (b) What is the significance of shadowing a method in VB.NET?
- (c) What is the difference between data table and data set?
- (d) How do you achieve implementation in VB.NET?

- (e) How do you preserve the contents of an array from being cleared when the array is redimensioned? Give an example.
3. How to deal with return value of stored procedure when you are using DataReader?  
Give example. 12
4. What is the difference between string, substring and MID function? 12
5. What is the purpose of delegate statements in VB.NET? What is the purpose of structure statements in VB.NET? 12
6. Which class in VB.NET helps in reading from, writing to and closing files? Explain usage of directory info class. 12
7. What is the purpose of function expression in VB.NET? What are dynamic arrays in VB.NET? 12

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