

AJ-121

April-2015

B.C.A., Sem.-IV

CC-209 : Visual and Windows Programming

Time : 3 Hours]

[Max. Marks : 70

- Instructions :**
- (1) All questions are compulsory.
 - (2) Figures to the right indicate full marks.
 - (3) Begin new question on a new page.

1. (A) List and explain different types of applications supported by .NET 8

OR

Write a short note on Managed Execution.

(B) Explain the following properties of the form : 6

- (a) WindowState
- (b) ControlBox
- (c) FormBorderStyle

OR

Explain the following properties of Textbox control :

- (a) Locked
- (b) TabStop
- (c) PasswordChar

2. (A) Write a short note on a scope of the .NET variables. 8

OR

List and explain datatypes available in the VB.NET language.

(B) Write a short note on 'Option Strict'.

OR

Show the use of PMT () function with an example.

3. (A) Differentiate the following terms :

- (1) ComboBox and ListBox
- (2) Modal form and Modeless form

OR

List and explain different types of loops available in VB.NET

(B) List all logical operators and explain at least 2 of them with an example of each.

OR

Explain the following properties :

- (1) ThreeState (CheckBox)
- (2) SelectiveMode (ListBox)
- (3) DropDownStyle (ComboBox)

4. (A) Differentiate following terms :

- (1) MainMenu and ContextMenu
- (2) Function and Subroutine

OR

Why the Array in the VB.NET is called dynamic array ? Explain 'ReDim' and 'Preserve' keywords.

(B) Differentiate 'Call-By-Value' and 'Call-By-Reference' in VB.NET language.

OR

Write a short note on 'OpenFileDialog' control.

- (1) The corresponding .Net FCL type for short is ____.
- (a) System.Int32 (b) System.Int64
(c) System.Int16 (d) System.Object
- (2) The function procedures are ____ by default.
- (a) Public (b) Private
(c) Protected (d) Inherited
- (3) The CancelButton property belongs to ____ control.
- (a) Textbox (b) Button
(c) Form (d) ListBox
- (4) Which is not an Integer datatype ?
- (a) Single (b) Byte
(c) Short (d) Long
- (5) How many maximum integer numbers can be stored in the array if it is declared :
Dim statistics(15, 5) as Integer ?
- (a) 56 (b) 75
(c) 96 (d) 80
- (6) With A = False and B = True, which statement evaluates as True ?
- (a) A AND A (b) A AND B
(c) B AND A (d) B AND B
- (7) How can we do comment in VB.NET language ?
- (a) ' (b) //
(c) /* */ (d) <!-- -->
- (8) ____ method of the form will open the form in the modeless manner.
- (a) Show (b) ShowDialog
(c) Hide (d) None of the above
- (9) Once the code is compiled by the language compiler, it is translated to ____.
- (a) JIT (b) MSIL
(c) Binary Code (d) None of the above
- (10) ____ is a separate section of MSIL file.
- (a) CLR (b) CTS
(c) Metadata (d) Garbage collection

(11) _____ property of the array will return the dimension of the array.

- (a) Rank
- (b) GetUpperBound
- (c) Length
- (d) GetLength

(12) Two statements can be separated with _____ in the if statement written without End If.

- (a) ->
- (b) -
- (c) :
- (d) ::

(13) _____ property of the string class will return a character at specified location.

- (a) IndexOf
- (b) LocationAt
- (c) Both (a) and (b)
- (d) Chars

(14) IsLower() is the property of _____ class.

- (a) String
 - (b) Char
 - (c) Integer
 - (d) Single
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