

Seat No. : _____

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'. 6

OR

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

3. (A) Differentiate the following terms : 8

- (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. 6

OR

Explain the following properties :

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

4. (A) Differentiate following terms : 8

- (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. 6

OR

Write a short note on 'OpenFileDialog' control.

5. Multiple Choice Questions :

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- (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) Meta data (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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