

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.

6

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

OR

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

8

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.

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.

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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 class returns 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
- _____