

Seat No. : _____

SB-103

October-2017

B.C.A., Sem.-IV

CC-209 : Visual & Windows Programming

Time : 3 Hours]

[Max. Marks : 70

- Instructions :** (1) All questions are compulsory.
(2) Figures to the right indicates full marks.
(3) Start each question from the new page.

1. (a) Do as directed : 8
(1) List and explain different types of applications supported by .NET.
(2) What is Namespace ? Explain it. List at least 3 namespaces.

OR

Do as directed :

- (1) Write a short note on CLR.
(2) Explain the TextBox control with at least 2 properties, methods and event.

- (b) Explain following properties of form : 6
(1) WindowState
(2) ControlBox
(3) FormBorderStyle

OR

Explain following properties of NumericUpDown control :

- (1) ThousandSeperator
(2) InterceptArrowKeys
(3) Increment

2. (a) Do as directed : 8
(1) List and explain different data types available in the VB.NET.
(2) Explain IndexOf() method of the string class with example.

OR

- (1) Explain the scope of the variable in the VB.NET language.
(2) Explain SubString() method of the string class with example.

- (b) Explain following terms : 6
- (1) Pmt() function
 - (2) Option Strict
- OR**
- Explain the following properties of the RadioButton :
- (1) AutoCheck
 - (2) Checked
 - (3) TabIndex
3. (a) What is ComboBox ? How it differ from the ListBox ? Discuss how can we insert distinct (unique) values in the ComboBox ? 8
- OR**
- Discuss the following methods of the ListBox :
- (1) Add
 - (2) RemoveAt
 - (3) Contains
 - (4) Insert
- (b) Differentiate following loops : 6
- (1) Do... While and Do... Until
 - (2) Do... Loop and For... Next
- OR**
- Explain the following statements with example :
- (1) Select... Case
 - (2) Nested If
4. (a) Do as directed : 8
- (1) Differentiate : Access Key and Shortcut Key.
 - (2) Write a short note on OpenFileDialog control.
- OR**
- (1) Differentiate : Function and Subroutine.
 - (2) Is arrays in the .NET dynamic ? How ? Explain 'Redim' and 'Preserve' keywords.
- (b) Write a short note on following controls : 6
- (1) FontDialog
 - (2) PictureBox
- OR**
- Answer the following questions :
- (1) What is named argument ? Explain it with an example.
 - (2) What is default argument ? Show the use of it.

5. Select the appropriate options from the choices given in the questions :

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(1) Collections of the classes, logically related with each other are grouped into _____.

- (a) Assemblies (b) Parent Class
(c) Namespaces (d) None of the above

(2) In the VB.NET language new line is represented with _____.

- (a) VBCrLf (b) New_Line
(c) VBBack (d) \n

(3) Meta data is a separate section of _____.

- (a) CTS (b) MSIL
(c) .resx file (d) .VB file

(4) Size of short variable is _____.

- (a) 2 bytes (b) 4 bytes
(c) 1byte (d) 8bytes

(5) In VB.NET, while loop ends with _____.

- (a) Loop (b) Wend
(c) Next (d) End While

(6) Which property of an array will give dimension ?

- (a) Rank (b) GetLength
(c) Length (d) None of the above

(7) To increase the size of an array _____ statement is used, with no loss of data stored in the Array.

- (a) Dim (b) ReDim
(c) Preserve (d) ReDim Preserve

(8) _____ method of a ListBox Control will remove the element by the specified position.

- (a) Delete (b) RemoveAt
(c) Remove (d) DeleteAt

(9) "Dim statistics(14,4) as integer", statement will declare the array of _____ elements.

- (a) 56 (b) 75
(c) 10 (d) 18

- (10) _____ property of a ListBox control is used to allow user to select more than one values from the ListBox.
- (a) MultiValue (b) NoOfElements
(c) SelectionMode (d) Length
- (11) To open the form in the center of the screen _____ property of the form is used.
- (a) CenterScreen (b) WindowState
(c) StartPosition (d) Opacity
- (12) Implicit conversion from one type of data to another type of data is disallowed if option _____ is _____.
- (a) Explicit-On (b) Explicit-Off
(c) Strict-Off (d) Strict-On
- (13) IsUpper() is a method of _____ class.
- (a) String (b) Integer
(c) Short (d) None of the above
- (14) To fetch a character from the specific position of the string, _____ is used.
- (a) IndexOf (b) Length
(c) getChar (d) Chars
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