N13-107

November-2014

B.C.A., Semester – V

CC-302 : Advanced Visual and Windows Programming

Time : 3 Hours] **[Max. Marks : 70**

1. (A) List out the types of errors. Define Exception. Explain try … catch … finally statement with example. List out all the exceptions in VB.NET. **7**

OR

Define class and object. Explain Inheritance and Abstraction. How we can create constructor in VB.NET ?

(B) Explain class view window and object browser window. Explain shared variables. **7**

OR

Explain Readonly Property and Writeonly Property. How can we create and access shared properties ?

2. (A) Explain TreeView control in detail with its properties. **7**

OR

Explain ListView control in detail with its properties.

(B) Write the name of control and explain the following properties : **7**
   (a) Smallchange
   (b) Maximum
   (c) CalendarFont
   (d) MinDate
   (e) SelectionFont
   (f) Interval

OR

Write the name of control and explain the following properties :
   (a) Format
   (b) TickFrequency
   (c) BulletIndent
   (d) MaxDate
   (e) LargeChange
   (f) ShowUpDown

3. (A) Explain the structure of an XML file in detail. Explain the methods of XmlTextWriter class. **7**

OR

(1) Differentiate : Array – ArrayList.

(2) Explain ArrayList class with properties and methods.

(B) Explain the following methods and write the name of class : **7**

(a) IsLeapYear( )

(b) DateDiff( )

(c) CreateDirectory( )

(d) GetLogicalDrives( )

(e) GetAttributes( )

(f) StartsWith( )

(g) ToUpper( )

OR

Explain the following methods and write the name of class :

(a) PeekChar( )

(b) ReadLine( )

(c) WriteLine( )

(d) ReadBoolean( )

(e) Replace( )

(f) Substring( )

(g) Trim( )

4. (A) Explain two main components of ADO.NET. **7**

OR

Explain Connection object and Command object.

(B) Explain Data Adapter and Data Grid control. **7**

OR

(1) Explain the concept of disconnected architecture.

(2) Write about Crystal Reports.

5. Answer the following : **14**

(1) Which one of the following keyword can be used to refer the base class ?

    (a) Me   (b) MyBase

    (c) Public   (d) Protected

(2) Which one of the following is not the Exception class ?

    (a) ArgumentException

    (b) DivideByZeroException

    (c) FileExtractException

    (d) InvalidCastException

(3) Which one of the following control is used to store images that can be used with other controls ?

    (a) ImageList   (b) ListView

    (c) TreeView   (d) Scrollbar

(4) Which one of the following method can be used to control the function of Timer control ?

    (a) Stop( )   (b) Start( )

    (c) Both   (d) None

(5) Which one of the following is the value of headerstyle property of ListView control ?

    (a) Clickable   (b) Non Clickable

    (c) None   (d) All of above

(6) Which keyword can be included in Class statement when user wants to prevent a class from being inherited ?

    (a) Inherits   (b) MustInherit

    (c) MustOverride   (d) NotInheritable

(7) Which one of the following properties of StringBuilder class can be used to get character at the specified position ?

    (a) Chars   (b) Length

    (c) Capacity   (d) All of above

(8) Which one of the following is not a Collection in VB.NET ?

    (a) Array   (b) SortedList

    (c) ArrayList   (d) Queue

(9)   Which one of the following statements is correct ?

(a)   An XML document can have more than one root elements and one child element.

(b)   An XML document can have many root elements and many child elements.

(c)   An XML document can have only one root element and one or more child elements.

(d)   An XML document can have only child elements.

(10)   Which one of the following objects is a collection of tables ?

(a)   DataAdapter   (b)   DataSet

(c)   Command   (d)   Connection

(11)   Which one of the following properties specifies how the whitespace should be handled in XML ?

(a)   NodeType   (b)   Item

(c)   Formatting   (d)   WhiteSpaceHandling

(12)   Which one of the following is used to create Custom data type ?

(a)   Structure   (b)   Array

(c)   Both   (d)   None

(13)   Which one of the following properties can be used to bind data grid control to a dataset ?

(a)   DataSource   (b)   DataMember

(c)   DataSet   (d)   DataTable

(14)   Which one of the following objects defines how the tables in the dataset are related ?

(a)   Data Row   (b)   Data Column

(c)   Data Table   (d)   Data Relation