

BCA
Fourth Semester
Programming with VB.Net
(BCA- 18)

Duration: 3Hrs.

Full Marks: 70

PART A (Objective) =20
PART-B (Descriptive)=50

PART-B (Descriptive)

Duration: 2 hrs. 40 mins.

Marks: 50

I. Answer any five:

2×5=10

1. Define CLR and MSIL.
2. Define variable. How a variable is declared and assigned.
3. Write any two properties of the ListBox control.
4. Define class and objects.
5. What is Data Provider? How many types of the data provider are there? What are they?
6. Define open () and close () method of connection component.
7. Explain in short TextBox control.

II. Answer any five:

3×5=15

1. Draw the Diagram of .NET framework.
2. Define event? Explain the six windows events.
3. What is ComboBox? Explain the property associated with it.
4. What are the access specifiers available? Explain with their scope.

5. Write the features of ADO.Net model.
6. Draw the Diagram of ADO.Net model? Define the term Dataset, Data adapter, and Data reader.
7. What is solution explorer? Draw the diagram? Define solution & projects.

III. Answer any five:

5×5=25

1. Explain the features the VB.Net
2. Explain if-then-else construct with syntax and example.
3. What are OpenFileDialogBox and SaveFileDialogBox? What are the two ways to invoke them? Give code for invocation.
4. Define function procedure? Write a VB.Net program to return a value from function.
5. What is property procedure? What are two property procedure available? Explain them with example?
6. What is Crystal Report? Explain two models with diagram.
7. What are the two types of binding available? Explain them with necessary controls.

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Duration: 20 minutes

Marks – 20

PART-A (Objective)

Time: 20 mins

Total Marks: 20

I. Choose the correct answer:

1×20=20

1. An assembly stores information about itself is called
 - a) Metadata
 - b) Data
 - c) Information
 - d) None of the above

2. The code that is developed with language compiler that targets CLR is called
 - a) Garbage Collection
 - b) Manage code
 - c) Unmanaged code
 - d) Procedure

3. Instead of compiling the source code into machine level code the compiler translate it into
 - a) Metadata
 - b) Unmanaged code
 - c) MSIL
 - d) None of the above

4. Every Com component needs to register before it can be used in an application. Com means
 - a) Commercial object model
 - b) Common object model
 - c) Component object model
 - d) Compatible object model

5. A solution contain
 - a) Projects
 - b) Project items
 - c) Solution item
 - d) None of the above

6. CUI means
 - a) Common User Interface
 - b) Character user interface
 - c) Component user interface
 - d) Compatible user interface

7. What is the storage size of the datatype decimal?
a) 2 bytes
b) 4 bytes
c) 8 bytes
d) 16 bytes
8. Which one is correct declaration of variable?
a) Redim x as integer
b) Dim x as integer
c) Dim x as integer ;
d) None of the above
9. Which one of the following is a control specific event?
a) KeyDown
b) MouseUp
c) MouseDown
d) VisibleChange
10. 'ShowPanels' is a property of which of the following control
a) StatusBar
b) ComboBox
c) TextBox
d) GroupBox
11. When click event occurs.
a) Key is press
b) When user click anywhere on the form
c) Presses a mouse button
d) None of the above
12. What is the minimum number of iteration does a do-while loop can perform
a) 3
b) 2
c) 1
d) 0
13. Which of the following event is occurred when mouse button is released?
a) Load
b) Deactivate
c) Click
d) MouseUp
14. Which method has X and Y Co-ordinates as its parameter?
a) SetDesktopLocation()
b) Activate()
c) Show()
d) Close()
15. The value returned to calling expression as a value of the property procedure by
a) Set Procedure
b) Get Procedure
c) Property Procedure
d) None of the above
16. The constructor that is used to initialized the shared variable is
a) Constructor
b) Instance constructor
c) Shared constructor
d) None of the above
17. The control that is used for complex data binding
a) ComboBox
b) TextBox
c) CheckBox
d) DataGrid

18. The fundamental format data transfer ADO.Net

- a) .XML
- b) .C++
- c) .HTML
- d) .NET

19. Data from the Database is cached in

- a) DataSet
- b) DataAdapter
- c) DataReader
- d) None of the above

20. Open () method is used for

- a) To establish a connection
- b) To open a connection
- c) Select the database
- d) None of the above
