BACHELOR OF COMPUTER APPLICATION
FOURTH SEMESTER
PROGRAMMING WITH VB. NET
BCA – 18
(Use separate answer scripts for Objective & Descriptive)

Duration: 3 hrs.   **Full Marks: 70**

(PART A : Objective)

Time: 20 min.   **Marks: 20**

Choose the correct answer from the following: **1×20=20**

1. Which is a type of procedure found in VB.Net?
   a) Event   b) Function
   c) Sub   d) All of the above

2. Which event is activated when a RadioButton is selected?
   a) Checked   b) CheckedChanged
   c) Selected   d) SelectedChanged

3. How many RadioButtons in a Group Box can be selected at the same time?
   a) 0   b) 1   c) 2   d) 3

4. Which OpenFileDialog control property specifies the choices in the "Files of type" dropdown box?
   a) FileName   b) FileNames
   c) FileType   d) Filter

5. Which is a valid statement for declaring a variable?
   a) Const Form As Integer   b) ConstmyForm As Integer
   c) Dim Form As Integer   d) Dim myForm As Integer

6. A _____ is a logical collection of related classes in VB.NET.
   a) Project   b) Class   c) Namespace   d) Form

7. The tick even is found only in which object?
   a) Timer   b) ListBox   c) Clock   d) Count

8. You use the _____ method to add items to a list box.
   a) AddList   b) Item   c) AddItems   d) Add

9. COM stands for:
   a) Component object model   b) Connected object model
   c) Corrected object model   d) None of above

10. Which language is not a true object-oriented programming language?
    a) VB.NET   b) VB 6
    c) C++   d) Java

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

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

13. 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

14. 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

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

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

17. What is the storage size of the datatype decimal?
   a) 2 bytes   b) 4 bytes   c) 8 bytes   d) 16 bytes

18. 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

19. Which one of the following is a control specific event?
   a) KeyDown   b) MouseUp
   c) MouseDown   d) VisibleChange

20. 'ShowPanels' is a property of which of the following control?
   a) StatusBar   b) ComboBox
   c) TextBox   d) GroupBox

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(PART B : Descriptive)

Time: 2 hrs. 40 min.   Marks: 50

(Answer question no. 1 & any four (4) from the rest)

1. Answer the following questions (*any five*):   (2×5=10)

   a) Write two vb.NET framework features.

   b) What are the dissimilarities between vb.NET and JAVA?

   c) What is the difference between checkbox and radio button?

   d) Mention any 2 properties of ListBox.

   e) What do you mean by MSIL?

   f) Write down the two features of object oriented programming languages.

   g) How to add a Text Box during runtime?

2. Explain looping in VB.NET with the help of examples.   (6+4=10)

3. What is a subroutine? Describe its types with examples of each.   (2+8=10)

4. What is a dialog box control? Describe the open dialog box control with its example.   (2+8=10)

5. What is Option Explicit & Option strict in VB.NET? Explain with the help of examples.   (6+4=10)

6. Write short notes on: (5×2=10)

   a. Solution explorer

   b. Code window

7. Write the coding to display the contents of a database table on a data grid control.   (10)

8. Explain about .net framework class library & CLR.   (10)

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