

**2021**

*Time : 3 hours*

*Full Marks : 50*

*Candidates are required to give their answers in  
their own words as far as practicable.*

*The figures in the margin indicate full marks.*

*Answer from all the Parts as directed.*

**Part - A**

1. Multiple choice questions : 1×5 = 5
- (i) VB.Net is a framework to develop :
- (a) Software Application
  - (b) Web Application
  - (c) Android App
  - (d) All of these

(ii) Which function is used to concatenate all the specified elements of string array using the specified separator ?

- (a) Join()
- (b) Concat()
- (c) Both (a) and (b)
- (d) None of these

(iii) Fixed values are also called \_\_\_\_\_

- (a) Literals
- (b) Global
- (c) Dim
- (d) None of these

(iv) Which one is not the component of .Net Framework ?

- (a) The .Net Framework Class Library
- (b) Windows Forms
- (c) ADO. Net
- (d) C #

(v) Which reasons make VB.Net a widely used professional language ?

- (a) Structured language
- (b) It can be compiled on a variety of Computer platforms
- (c) Part of .Net framework
- (d) All of these

2. Fill in the blanks : 1×5 = 5

(i) The framework contains a large number of Class Library known as

framework

(ii) The literals refers to fixed value that the program may not alter during its execution.

(iii) An exception in VB.Net refers to a problem that arises during program execution.

- (iv) When two or more processes execute simultaneously in a program, the process is known as Multithreading
- (v) CLR is the basic and virtual Machine Component of .Net Frame - work.

### Part - B

3. Answer any four questions of the following :

$$3 \times 4 = 12$$

- (a) What is difference between Combo Box and List Box Control ? Give examples.
- (b) What is Variable ? How variable is declared in VB.Net ? Give proper example with program.
- (c) What is SDI and MDI ? Explain it.

- (iv) Write a program to input three numbers and display the largest number. (Design the proper interface using controls)
- (e) Explain Message Box and Input Box function. Write program for these.
- (f) What is overloading and overriding ? Explain it.

### Part - C

4. Answer any four questions of the following:

$$7 \times 4 = 28$$

- (a) Write a program to connect the customer database using ADO.Net. The program contains ADD, Delete and save Button. Also design the interface.

The **Customer** table contains :

- (i) CustID

- (ii) CustName
- (iii) DESG
- (iv) Basic Salary
- (v) DOB
- (vi) DOJ

(b) Write a program to move the list of items from one list box to another list box. Also it will remove the selected item from the given any list Box. (Design the Interface)

(c) What is the difference between error and exception handling in VB.Net. Explain with examples.

(d) Write short notes on the following :

- (i) Timer
- (ii) Treeview
- (iii) Event
- (iv) Method

3

(c)

WS - 1

WS - 12/3

(6)

(e) What is string in VB.Net ? Write different types of string classes of VB.Net with examples.

(f) What is COM and Custom Control ? Write a program to create a Custom Control.



Cont WS - 12/3 (500)

(7)

BCA(Sem-IV) —  
CC - 9