

2022

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

(Multiple-choice Type Questions)

1. Choose the correct answer of the following :

$1 \times 5 = 5$

(a) Which Control is used to input the data ?

- (i) Label
- (ii) Text box
- (iii) Input box
- (iv) Both (ii) and (iii)

(b) The .Net framework is a revolutionary platform that helps you to write the following types of applications :

- (i) Windows applications
- (ii) Web applications
- (iii) Web Services
- (iv) All of these

(c) In VB. Net _____ object is immutable.

- (i) String
- (ii) Text
- (iii) Const
- (iv) None of these

(d) Fixed values are also called _____.

- (i) Global
- (ii) Dim
- (iii) Literals
- (iv) None of these

(e) If we want to execute an application with a specific time interval, we use _____.

- (i) Timer Control
- (ii) Data and Time Picker

(iii) Text Control

(iv) All of these

2. Fill in the blanks :

1×5 = 5

- (a) A _____ is a special member sub of a class that is executed whenever an object of its class goes out of scope.
- (b) Global scope is also known as _____.
- (c) An _____ is a signal that informs an application that something important has occurred.
- (d) _____ represents a Windows Control to display a list of items.
- (e) The load event is used to load a form before it is first displayed.

Part – B

(Short-answer Type Questions)

3. Answer any four questions of the following :

3×4 = 12

- (a) Write the advantages and disadvantages of using VB. Net Framework.

(b) What are the scope of variables in VB. Net ?
Describe all with examples.

(c) Write any five string functions which is used
in VB. Net. Give examples.

✓(d) What is validation ? How many types of
validations are used in VB. Net ?

✓(e) Create an application which shows the
number, which is smallest of three numbers.

(f) What is the difference between checkbox
and radio button control ? Create an
application for that.

Part – C

(Long-answer Type Questions)

4. Answer any **four** questions of the following :

$$7 \times 4 = 28$$

(a) What are properties, methods and events in
VB. Net ? Describe it with examples.

c ✓(b) Write and describe any five VB. Net Controls
with their properties, methods and events
used.

✓(c) What is MDI in VB. Net ? Why it is used ? Also
write characteristics and drawbacks for it.

- (d) Which components are used in VB. Net Framework ? Describe it with example.
- (e) What is the difference between Error and Exception ? Describe all its types with an example.
- (f) Create / develop an application to Input / Output the following :

Input	Output
Item code	Item code : _____
Item name	Item name : _____
Quantity	Quantity : _____
Price [per unit]	Price : _____
	Total Price : _____
	Discount : _____
	[10%, if Quantity is more than 100]
	Net Price : _____

(Note : Use the required controls. Discount is calculated by user.)

