

N.G.M.COLLEGE (AUTONOMOUS) : POLLACHI

END-OF-SEMESTER EXAMINATIONS : MAY– 2026

B.COM.-E.COMMERCE

MAXIMUM MARKS: 75

IV SEMESTER

TIME : 3 HOURS

PART – III

SOFTWARE DEVELOPMENT WITH VISUAL BASICS.NET

SECTION – A

(10 X 1 = 10 MARKS)

ANSWER THE FOLLOWING QUESTIONS.

(K1)

1. The full form of IDE in VB.NET is _____
 - a) Integrated Development Environment
 - b) Internal Development Editor
 - c) Interactive Design Engine
 - d) Integrated Design Editor
2. _____ control is used to get input from the user.
 - a) Label
 - b) TextBox
 - c) Button
 - d) PictureBox
3. What is a Control Array in VB.NET?
 - a) A single control on a form
 - b) A group of controls with the same name and index
 - c) A type of property
 - d) A data type
4. _____ toolbar provides quick access to editing and formatting in VB.NET IDE.
 - a) Standard Toolbar
 - b) Text Editor Toolbar
 - c) Solution Explorer
 - d) Properties Window
5. _____ namespace is commonly used for ADO.NET in VB.NET.
 - a) System.Data
 - b) System.IO
 - c) System.Net
 - d) System.Math

ANSWER THE FOLLOWING IN ONE (OR) TWO SENTENCES

(K2)

6. Define .NET Framework.
7. Differentiate between ListBox and ComboBox.
8. Explain the purpose of the Properties Window.
9. Interpret the use of Option Explicit and Option Strict statements.
10. Explain the function of Execute Non Query().

(CONTD 2)

SECTION – B

(5 X 5 = 25 MARKS)

ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS. (K3)

11. a) Describe the steps to create and run the first VB.NET application.
(OR)
b) Show how an event procedure is written in VB.NET.
12. a) Explain the steps to add a Text Box and Command Button to a form and handle a click event.
(OR)
b) Show how to display an image using Picture Box control.
13. a) Explain how nesting for loops can be used to display a multiplication table.
(OR)
b) Construct how to create and use a Control Array for Buttons to display their index on click.
14. a) Describe how to create a simple menu application in VB.NET.
(OR)
b) Apply a built-in string function to extract a substring and find its length.
15. a) Show how to execute an INSERT statement using Execute Non Query().
(OR)
b) Examine how to iterate through a Data Reader to display records in a List Box.

SECTION – C

(5 X 8 = 40 MARKS)

ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS.

(K4 (Or) K5)

16. a) Analyze the role of IDE components in VB.NET development.
(OR)
b) Discuss the evolution of .NET and justify its importance in modern programming.
17. a) Analyze how different VB.NET controls enhance user interface design.
(OR)
b) Defend the selection of TrackBar vs. NumericUpDown for selecting numeric values in a media player application.
18. a) Evaluate the efficiency of different loop types for array processing and justify which loop is best for specific tasks.
(OR)
b) Construct a small VB.NET application plan using Labels, Buttons, Arrays, and Loops and explain your design choices.
19. a) Evaluate the advantages of using MDI forms over standard forms in large applications.
(OR)
b) Construct a VB.NET application plan that uses InputBox, MsgBox, and MenuStrip controls and explain design choices.
20. a) Categorize ADO.NET objects and explain their purpose.
(OR)
b) Outline the steps to bind a DataSet to a DataGridView and discuss its benefits.