



# LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

**B.Sc. DEGREE EXAMINATION – COMPUTER SCIENCE**

**FIFTH SEMESTER – NOVEMBER 2022**

**17/18UCS5MC02 – VISUAL PROGRAMMING**

Date: 25-11-2022

Dept. No.

Max. : 100 Marks

Time: 09:00 AM - 12:00 NOON

## PART – A

**Answer ALL the questions:**

**(10 x 2 = 20 Marks)**

1. Mention any four advantages of VB.NET.
2. What is the purpose of IDE in Visual Studio.NET?
3. List out the access specifiers in VB.NET.
4. Write any two VB.NET Windows forms controls.
5. What are the different types of file modes?
6. What is dynamic array?
7. Write about the different attributes of connection string in ASP.NET.
8. What is Data Adapter?
9. Give any two properties of GridView Control.
10. What is the purpose of SqlDataSource Control?

## PART – B

**Answer ALL the questions:**

**(5 x 8 = 40 Marks)**

11. a) Explain the different Data types supported in VB.NET.  
(or)  
b) Explain the Language compilation procedure in .NET with neat diagram.
12. a) Explain the Looping statements in VB.NET with examples.  
(or)  
b) Explain Switch case statement with an example.
13. a) Write short notes on any five Web Control and its Properties.  
(or)  
b) Explain the file operations with suitable example.
14. a) Explain exception handling in vb.net with suitable example.  
(or)  
b) Discuss about the Data Binding Concept in detail.
15. a) Discuss about the XML Classes and its methods with an example.  
(or)  
b) Discuss about the Execute Reader () method with suitable example.

**PART – C**

**Answer any TWO questions:**

**(2x20 = 40 Marks)**

16. a) Explain in detail about the .Net framework with neat diagram.  
b) Explain string handling functions with example.
17. a) What is the purpose of Data Set? Write a code to display the record in the Grid View Control using  
Data Set.  
b) Explain the purpose of ExecuteNonQuery () method with suitable example.
18. a) Explain in detail about any four Validation controls in .NET with an example.  
b) Explain the Architecture of ADO.NET object model with neat diagram.

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