



**LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034**

**M.C.A. DEGREE EXAMINATION – COMPUTER APPLICATIONS**

THIRD SEMESTER – NOVEMBER 2015

**CA 3805 - .NET TECHNOLOGIES**

Date : 03/11/2015

Dept. No.

Max. : 100 Marks

Time : 09:00-12:00

**Part A**

**Answer ALL the Questions**

**10 x 2 = 20**

1. When did the first communication over Internet take place?
2. Define the term Script. Is it interpreted or compiled?
3. What is contextual keyword?
4. Define the 'Three-state' property of a Check box Control.
5. Write short notes on Forms and Windows.
6. What is 'IsMDIContainer' property?
7. "A class declaration does not consume memory". Comment in a few lines.
8. What is DataGridView?
9. What is ExecuteNonQuery()?
10. Write short note on 'System.Data.Common' namespace.

**Part B**

**Answer ALL the Questions**

**5 x 8 = 40**

11 a) List the drawbacks of Client-side and Server-side Scripting Technologies.

**OR**

b) Discuss about the .NET Framework's goals and salient features.

12 a) What is short-circuit logic in VB.NET? Discuss it with an example.

**OR**

b) Explain the decision making functions in VB.NET?

13 a) Explain the creation of Menu and Pop-up Menu.

**OR**

b) Pictorially explain the VB.NET IDE.

14 a) Explain how web applications differ from windows applications.

**OR**

b) Explain Inheritance in VB.NET.

15 a) What are the differences between Connected and Disconnected Architecture of ADO.NET?

**OR**

b) Discuss the various ADO.NET Namespaces to be used for various RDBMS Providers.

**Part C**

**Answer any TWO Questions**

**2x 20 = 40**

16 a) Explain the .NET Framework Components.

b) Explain at least ten Windows Controls with their important properties and methods.

17 a) Explain Dialog Boxes.

b) Demonstrate Events and Delegates.

18 a) Discuss the differences between ADO and ADO.NET.

b) Write the syntax for the String and Math Functions in VB.NET.

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