LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

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

THIRD SEMESTER – NOVEMBER 2017

CA 3805 - .NET TECHNOLOGIES

Date: 01-11-2017   Dept. No.   Max. : 100 Marks
Time: 09:00-12:00

Part A   **10 x 2 = 20**

Answer ALL the Questions

1. What is the contribution of Sir Tim Berners-Lee?

2. Define the term Script.

3. Give any two examples for field.

4. Define the 'Three-state' property of a Check box Control.

5. How does a Form differ from a Window?

6. What is 'IsMDIContainer' property?

7. What is a Constructor?

8. What is an Event?

9. How does a DataReader differ from that of a DataSet?

10. What are the Classes used in Disconnected Architecture of ADO.NET?

Part B

Answer ALL the Questions   (**5 x 8 = 40**)

11 a) List the advantages and disadvantages of Server-side Scripting Technologies / Languages.

OR

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

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

OR

   b) Explain Switch and Choose in an example.

13 a) Demonstrate the Controls: Menus, and Pop-up Menus.

OR

   b) Explain Multithreaded Programming with an example.

14 a) Explain the OOPs deployment in VB.NET.

OR

   b) Explain Delegates with an example.

15 a) List the differences between ADO and ADO.NET.

OR

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

Part C

Answer any TWO Questions   (2x 20 = 40)

16 a) Write an essay on the .NET Framework Components.

    b) Illustrate the basic Windows Controls with their important properties and methods.

17 a) Explain the methods and properties of DateTime Structure.

    b) Substantiate Interfaces with an example.

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

    b) Demonstrate the String and Math Functions in VB.NET.