



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

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

THIRD SEMESTER – APRIL 2018

**16PCA3MC01- .NET TECHNOLOGIES**

Date: 24-04-2018  
Time: 09:00-12:00

Dept. No.

Max. : 100 Marks

**Part - A**

**Answer ALL Questions**

**10 X 2 = 20**

1. Trace the history of .NET Platform.
2. What is XAML?
3. How is Front-end different from Back-end?
4. What is Generics?
5. All fields are controls but not all control are fields”. Comment on this statement.
6. What is a Windows Store App?
7. Provide a brief description on ‘LINQ’.
8. What is Entity Framework?
9. What is Windows Phone?
10. List the languages used for Window Store App Development.

**Part - B**

**Answer ALL Questions**

**5 X 8 = 40**

- 11 a) Demonstrate process of building a VB.NET executable app.  
OR  
b) Write short note on the following: *Window Store, Accessing Window Store, and Certification.*
- 12 a) Elucidate the client-server programming model  
OR  
b) Demonstrate error-handling in VB.NET.
- 13 a) Explain the VB.NET IDE with suitable diagram.  
OR  
b) Substantiate XAML styles.
- 14 a) Enumerate the ADO.NET Objects used for connected and disconnected architecture.  
OR  
b) List down the steps needed to work with Entity Framework.
- 15 a) Elaborate the steps needed to create a Window Store App.  
OR  
b) Explain Window Store App Development Requirements.

**Part - C**

**Answer any two Questions.**

**2 X 20 = 40**

- 16 a) Explain CLR, and CTS, by listing all other components of .NET Framework.
- b) Illustrate the data types in VB.NET.
- 17 a) Demonstrate the important properties and events of TextBox, Radio Button, Label, and Button controls for a Bank Customer Registration.
- b) Compare and Contrast ADO from ADO.NET.
- 18 a) How is a Smart Phone different from Feature Phone? Explain the Smart Phone Ecosystem with the suitable diagram.
- b) Explain, with pictorial representation on Windows 8.1 design features: Command bar, flyout, tiles, and touch.

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