

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



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

**THIRD SEMESTER – NOVEMBER 2018**

**16/17PCA3MC01 – .NET TECHNOLOGIES**

Date: 24-10-2018

Dept. No.

Max. : 100 Marks

Time: 09:00-12:00

**Part - A**

**Answer ALL Questions**

**10\* 2 = 20**

1. What is Window Store?
2. Why is Certification important?
3. What is the operator order of precedence in VB.NET?
4. Write short note on 'Generic Collection'.
5. What is the need for 'Front End'?
6. What is 'Intermediate' state for CheckBox Control?
7. What benefits does inheritance provide?
8. What is Queue?
9. What is a Universal App?
10. What is 'Category' field while submitting the App to Window App Store?

**Part - B**

**Answer ALL Questions**

**5 \* 8 = 40**

- 11.a) Demonstrate the steps in creating and publishing a Windows Application.  
OR  
b) List the salient features of .NET Framework.
- 12 a) Illustrate short-circuit logic in VB.NET.  
OR  
b) Demonstrate arrays in VB.NET.
- 13 a) Explain multithreaded programming in VB.NET.  
OR  
b) Illustrate how Menus and Context Menus are used in VB.NET, with code snippets.
- 14 a) Demonstrate Interfaces in VB.NET  
OR  
b) What are the drawbacks of ADO over ADO.NET?
- 15 a) Elaborate the controls available for Window Store App development.  
OR  
b) Illustrate the steps needed to publish a Window Store App.

**Part - C**

**Answer any TWO Questions.**

**2 \* 20 = 40**

- 16 a) Write an essay on the opportunities provided by VB.NET 2013.
- b) Explain about Error Handlers in VB.NET.
- 17 a) Demonstrate the String functions in VB.NET, along with code snippet.
- b) Elucidate the ADO.NET Namespaces.
- 18 a) Substantiate Smartphone operating systems.
- b) Briefly explain the components of .NET Framework.

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