



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.C.A. DEGREE EXAMINATION – COMPUTER APPLICATIONS

THIRD SEMESTER – NOVEMBER 2017

16PCA3MC01 – .NET TECHNOLOGIES

Date: 01/11/2017

Dept. No.

Max. : 100 Marks

Time: 09:00-12:00

Part - A

Answer ALL Questions

(10 X 2 = 20)

1. What is Metadata?
2. What is MainPage.xaml file?
3. What is 'Option Explicit On'?
4. How is short-circuiting logic achieved in VB.NET 2013?
5. Write the default events of 'ListBox' and 'RadioButton' Controls.
6. What is FontDialog Control?
7. What do you mean by polymorphism?
8. Define 'generic collection'.
9. List the options available to run a Windows Store App.
10. What is 'App Features' while submitting a Window Store App?

Part - B

Answer ALL Questions

(5 X 8 = 40)

- 11 a) Demonstrate VB.NET IDE with specimen screenshot.
OR
b) Explain CLR, and CTS, by listing all other components of .NET Framework.
- 12 a) Elaborate the guidelines for naming variables and constants in VB.NET.
OR
b) Enumerate various problems necessitating error handlers.
- 13 a) Substantiate 'Sub Procedures' and 'Functions'.
OR
b) Describe the steps involved in creating a console app to determine vowel / consonant.
- 14 a) List the differences between ADO and ADO.NET.
OR
b) Demonstrate the data manipulation using LINQ.

15 a) Elucidate the Smart Phone EcoSystem.

OR

b) Explain Window Store App Development Requirements.

Part - C

Answer any two Questions.

(2 X 20 = 40)

16 a) Explain the following: *Window Store, Accessing Window Store, and Certification.*

b) Write an essay on how VB.NET 2013 efficiently manages memory through its Data types.

17 a) Discuss any four Math and String functions in VB.NET, along with code snippet.

b) Elaborate the steps needed to work with Entity Framework.

18 a) Elaborate the steps needed to create a Window Store App.

b) Explain user-defined functions in VB.NET.

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