



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.C.A. DEGREE EXAMINATION – COMPUTER APPLICATIONS

FOURTH SEMESTER – NOVEMBER 2019

17PCA4ES01 – .NET TECHNOLOGIES FOR ENTERPRISE MOBILITY

Date: 31-10-2019
Time: 01:00-04:00

Dept. No.

Max. : 100 Marks

Part A

Answer ALL the Questions: 10 x 2 = 20

1. List any two defining features of C#
2. Are pointers allowed in C#?
3. Write short note on 'Delegates'.
4. What is Enum?
5. Draw the architectural diagram of ASP.NET.
6. Is a website different from a web application?
7. Write a short note on central data container of ADO.NET.
8. What is Entity Framework 6?
9. How is a Master Page useful?
10. State true or false for the following statements:
 - (i) 'Windows Store App is an extended form of Windows App'.
 - (ii) 'Windows Phone App targeting Windows 8 OS is no longer supported'.

Part B

Answer ALL the Questions: 5 x 8 = 40

11. a) Elaborate Anonymous Types in C#.

OR

- b) Explain Static classes and members in C#

12. a) Explain Boxing and Unboxing with code snippets.

OR

- b) Demonstrate PLINQ.

13. a) Enumerate the advantages of ASP.NET.

OR

- b) Demonstrate the creation of Web User Control with Employee ID, Employee Name, and Password

14. a) Differentiate ADO from ADO.NET

OR

- b) Explain the benefits of Object Relational Mapper.

15. a) Amplify any eight best practices in Mobile Apps Development.

OR

- b) Describe the anatomy of a Mobile App.

Part C

Answer any TWO Questions: 2 x 20 = 40

16. a) Substantiate the Partial Class and Partial Method in C#.

b) Illustrate Inheritance in C# with an example.

17. a) Describe the different types of Controls in ASP.NET.

b) Enumerate the components of ADO.NET.

18. a) Write an essay on Xamarin.Forms.

b) Explain the ASP.NET AJAX.
