Register Number:

DATE:18-04-2017

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**ST. JOSEPH’S COLLEGE (AUTONOMOUS), BENGALURU-27**

**VI Semester Examination, April 2017**

**B C A**

**CA 6312 : Dot Net Technologies**

**Time 3Hrs Max Marks 100**

**This paper contains 2 printed pages and 3 parts**

**PART-A**

**Answer all TEN questions 3 x10 = 30**

1. What are the main components of .NET Framework
2. What is CTS?
3. What is managed code?
4. What is the role of the JIT compiler in .NET Framework?
5. What is the relationship between constant member and readonly member?
6. What is the difference between arrays and arraylist?
7. Name the different components of an assembly.
8. What is Reflection in .Net?
9. What is the use of the *Connection* object?
10. What are major difference between classic ADO and ADO.NET?

**PART-B**

**Answer any FIVE questions 8 x5 = 40**

1. Explain overloading operator in C# with an example to overload a binary operator to add two instance variables of a class.
2. How Try…Catch…Finally statement is executed? Explain in briefly.
3. What is an interface? How is it implemented in C#?
4. With an example. Discuss keywords of C#.
5. Abstract class
6. Virtual
7. Sealed method

CA-6312-A-17

1. What is IDE? Discuss the following components:

a) Solution explorer

1. Database Explorer
2. Error list
3. Properties window
4. Explain listbox control with its important properties, methods and events.
5. Write the structure of .net assembly? Explain the two views of an assembly

**PART-C**

**Answer any THREE questions 10 x3 = 30**

1. Write a asp.net program to accept two number and perform addition, subtraction, division and multiplication on the number
2. Mention different ways of passing parameter to a method in C#? Explain with suitable example.
3. What is connection object and command object?  Illustrate the groups of ADO.NET methods and its functionalities
4. Write a c# program to compute the area of triangle and rectangle to illustrate polymorphism
5. Write short notes on the following
6. Access modifiers (5+5)
7. Method overloading.