**St. Joseph’s College (Autonomous), Bangalore**

**31-05-2017**

**SPECIAL SUPPLEMENTARY EXAMINATION: MAY 2017**

**B C A VI Semester**

**CA 6312: Dot Net Technologies**

**Time 3Hrs Max Marks 100**

ATTACH THE QUESTION PAPER WITH THE ANSWER SCRIPT

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

**PART-A**

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

1. What is Microsoft Intermediate Language (MSIL)?
2. What is unmanaged code?
3. What is Manifest?
4. What do you mean by jagged arrays?
5. Distinguish between ref and out parameter.
6. State the differences between the Dispose () and Finalize ().
7. What is an assembly?
8. What are the advantages of the code-behind feature in ASP.NET?
9. What is the basic difference between ASP and ASP.NET?
10. Mention different types of data providers available in .NET Framework?

**PART-B**

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

1. Describe architecture of .Net framework with its main components. How does the .net framework compile and execute the program?
2. With an example. Discuss keywords of C#.
3. Sealed class
4. Abstract method
5. Override
6. What is a property in c#? Explain the syntax for property.
7. Explain combobox control with its important properties, methods and events.
8. Explain life cycle in ASP.NET.
9. What is a thread? How a thread is created explain with a suitable example?
10. Write the structure of .net assembly? Explain the two views of an assembly

**PART-C**

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

1. What is a delegate? Write the source code in C# to illustrate the same?
2. Write a asp.net program using timer control?
3. What is connection object and command object?  Illustrate the groups of ADO.NET methods and its functionalities
4. Write a c# program in which a method accepts two arguments as pavameters from the user and returns four output values as add,sub,mul and division operations on arguments
5. Write short notes on the following
6. Operator overloading (5+5)
7. Method overloading.