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| **ST. JOSEPH’S COLLEGE (AUTONOMOUS), BANGALORE -27**  **BCA VI SEMESTER**  **SEMESTER EXAMINATION: APRIL 2018**  **CA 6315 – .Net Programming**  **This Question Paper contains one printed page** | | | | | | | |
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| **Time- 2 1/2 hrs** | | |  | **Max Marks- 70** | | |
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**I. Answer the following questions (2\*10=30)**

1. Differentiate between managed and unmanaged code?
2. What is JIT compiler?
3. What is the difference between a ‘Struct’ and a ‘Class’?
4. What is abstract class?
5. What is the advantage of using threads?
6. What is variable size array?
7. What is the function of the Try-Catch-Finally block?
8. What is assembly manifests?
9. What is the use of the Connection object?
10. Difference between a CheckBox control and a RadioButton control in asp.net?

II.**Answer any five of the following questions (5\*6=30)**

1. Explain the usage of following in C# with suitable example: (Each carries 3 Marks)
   1. Internal protected
   2. Protected
2. What is an indexer? Explain its uses with an example.
3. Write a C# program to implement operator overloading
4. Does C# support multiple inheritances? If yes, how can it be implemented
5. Write the structure of .net assembly? Explain the two views of an assembly
6. Write a program to create the following in a form. (Each carries 2 Marks)

(a) Text box (b) Check box (d) List box

1. Explain the way of accessing data from database using ADO.NET in C# and ASP.NET

**III.Answer any two of the following questions (2\*10=20)**

1. What is Multicasting? Demonstrate multicasting with an example.
2. What are different types of parameters? Illustrate with examples.
3. Write a asp.net program to calculate the area of square, circle rectangle and triangle