

**S.Y. B. SC. (Computer Science) SEM –III (CBCS - 2016 COURSE) :**  
**SUMMER - 2019**

**SUBJECT: INTRODUCTION TO . NET USING C #**

Day: Saturday  
Date: 13/04/2019

Time: 03.00 PM TO 06.00 PM  
Max. Marks: 60

**S-2019-1089**

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**N.B:**

- 1) All questions are **COMPULSORY**.
  - 2) Figures to the right indicate **FULL** marks.
  - 3) Draw neat labeled diagram **WHEREVER** necessary.
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**Q.1** Answer **ANY TWO** of the following: **(12)**

- a) Explain with neat well labeled diagram architecture of .Net framework.
- b) Write System (structured) exception with proper example.
- c) Describe types of constructors used in c# with suitable example.

**Q.2** Answer **ANY TWO** of the following: **(12)**

- a) Illustrate single inheritance with proper example.
- b) Write a C# program to display student's details like roll\_no, name, classname and fees.
- c) Explain types of Arrays in C#.

**Q.3** Answer **ANY TWO** of the following: **(12)**

- a) Describe method overloading with proper example.
- b) Write C# program to read line by line the contents from file by using StringReader class.
- c) Illustrate various data types in C#.

**Q.4** Answer **ANY THREE** of the following: **(12)**

- a) What is CLR ,CLS and CTS?
- b) Describe event delegation model.
- c) Elaborate polymorphism with suitable example.
- d) Illustrate different access modifiers in C# .

**Q.5** Answer **ANY FOUR** of the following: **(12)**

- a) Write a note on interface.
- b) Explain various types of operators in C#.
- c) Differentiate between ComboBox and ListBox.
- d) Write different methods of Directory Class.
- e) Explain Just In Time compilers.
- f) Define Assembly and what are types of assemblies.