

**S. Y. B. SC. (COMPUTER SCIENCE) SEM –III (CBCS - 2016
COURSE) : WINTER - 2017**

SUBJECT : INTRODUCTION TO . NET USING C#

Day : Saturday
Date : 28/10/2017

Time : 11.00 A.M. TO 02.00 PM
Max. Marks : 60

W-2017-0720

N. B. :

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Draw neat labeled diagram **WHEREVER** necessary.

Q.1 Answer **ANY TWO** of the following: [12]

- a) Define constructor. Explain constructor with an example.
- b) Describe List Box and Combo Box controls with their properties and examples.
- c) Explain Common Languages Runtime (CLR) and Common Language Specification (CLS) in brief.

Q.2 Answer **ANY TWO** of the following: [12]

- a) What is an inheritance? Explain single inheritance with suitable example.
- b) Write a C# program to create basic calculator using windows Application.
- c) Explain various data types of C#.

Q.3 Answer **ANY TWO** of the following: [12]

- a) Illustrate class and object concept with an example.
- b) Explain method overloading with an example.
- c) Write C# program to read and write contents from file.

Q.4 Answer **ANY THREE** of the following: [12]

- a) Explain properties of Scrollbar, Timer and Picture Box.
- b) Illustrate different access modifiers in C# language.
- c) Write a note on exception handling.
- d) Write a C# program to sort a given list using an array.

Q.5 Answer **ANY FOUR** of the following: [12]

- a) Differentiate between for loop and while loop.
- b) Explain .net architecture in brief.
- c) Write a C# program to calculate net salary of an employee.
- d) Define assemblies and Global Assembly Cache.
- e) Write a note on polymorphism.
- f) Write different types of operators in C# language.

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