

SUBJECT: INTRODUCTION TO .NET USING C#

Day: Friday
Date: 03/05/2019

S-2019-1138

Time: 12.00 NOON TO 02.00 PM
Max. Marks: 40

N.B.:

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the right indicate **FULL** marks.
 - 3) Draw diagrams **WHEREVER** necessary.
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Q.1 Answer any **TWO** of the following: (10)

- a) Define Interface. Explain Interface with proper example.
- b) Write a program to do the following operations on ComboBox control.
 - i) Add Items
 - ii) Remove Items
 - iii) Sort Items
- c) Explain class, object and methods concept using proper example in C#.

Q.2 Answer any **TWO** of the following: (10)

- a) Explain Common Language Runtime (CLR) and Common Language Specification (CLS) in detail.
- b) Write a C# program to enter n number and find the maximum number amongst them.
- c) Describe following controls with examples:
 - i) PictureBox
 - ii) Timer
 - iii) Scrollbars

Q.3 Answer any **TWO** of the following: (10)

- a) What is an Exception? Explain try-catch –finally block with proper example.
- b) Explain the file handling using BinaryReader and BinaryWriter classes with example.
- c) Illustrate public, private, protected and friend access modifiers used in C# language.

Q.4 Answer any **FIVE** of the following: (10)

- a) What is polymorphism?
- b) Differentiate between CheckBox and RadioButton.
- c) What is an array?
- d) Write the properties of Button and Label controls.
- e) List down features of C#.
- f) Give a list of operators used in C#.
- g) Define – assembly.