

BACHELOR OF SCIENCE (COMPUTER SCIENCE) (CBCS - 2018 COURSE)

S.Y.B.Sc.(Computer Science) Sem-III : WINTER :- 2021

SUBJECT: INTRODUCTION TO .NET USING C#

Day : Thursday
Date 20-01-2022

W-20092-2021

Time : 10:00 AM-01:00 PM
Max. Marks: 60

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) Write a program to implement interface.
- b) Explain .Net architecture with neat well labeled diagram.
- c) Elaborate ListBox and ComboBox with their properties and example.

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

- a) Illustrate method overloading with suitable example.
- b) Elaborate Structured Exception with an example.
- c) Explain the role of StreamReader and StreamWriter classes in file handling.

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

- a) What are different types of arrays in C# .Net?
- b) Explain types of JIT Compiler in C# .Net.
- c) Write note on Timer and ImageList.

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

- a) Explain class and object concept with proper example.
- b) Illustrate BinaryReader and BinaryWriter classes with example.
- c) Explain loop structure with example.
- d) Write note on SaveDialogBox & OpenFileDialogBox.

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

- a) Differentiate between Constructor and Destructor.
- b) Write a program to find maximum number between three numbers using windows application.
- c) Write note on data types in C#.
- d) Explain CLS, CTS and CLR.
- e) What are types of assemblies?
- f) Explain various access modifiers in C#.

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