

BACHELOR OF COMPUTER APPLICATIONS (CBCS - 2018 COURSE)

B.C.A. Sem-V : WINTER- 2022

SUBJECT : C# PROGRAMMING

Day : Saturday

Time : 02:00 PM-05:00 PM

Date : 3/12/2022

W-18789-2022

Max. Marks : 60

N.B.:

- 1) **Q.4** from Section I is **COMPULSORY**.
 - 2) Answer **ANY TWO** questions from **Q.1, 2, 3** in **Section-I**.
 - 3) Answer **ANY TWO** questions from **Q.5, 6, 7** in **Section-II**.
 - 4) All questions **CARRY EQUAL** marks.
 - 5) Answers to Both the sections should be written in **SAME** answers book.
 - 6) Draw a labelled diagram **WHENEVER** necessary.
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SECTION – I

- Q.1** Answer the following (12)
- a) How to declare interface? Explain in detail the implementation of interface with suitable example?
 - b) Explain ADO.NET architecture? Bring out the difference between ADO & ADO.NET?
- Q.2** Answer the following (12)
- a) State and explain various operators in C# with proper example.
 - b) Explain the windows form control? How it is different from previous version of VB?
- Q.3** Answer the following (12)
- a) Explain procedure & function with example?
 - b) Explain types of error in VB.NET?
- Q.4** Write short note on the following attempt ANY THREE (12)
- a) Console Class
 - b) Collection object
 - c) Delegate
 - d) Constructor and their types
 - e) COM

SECTION - II

- Q.5** Answer the following (12)
- a) Write a C# program check whether number in palindrome or not.
 - b) Using Try, Catch and Finally block write a program in C# to demonstrate various types error.
- Q.6** Answer the following (12)
- a) Write a C# program to display date in various formats.
 - b) Write a C# program to sort the given array elements.
- Q.7** Answer the following (12)
- a) Write a C# program to display the greatest number among three numbers using relational operator.
 - b) Write a program to demonstrate abstract class and abstract method in C#.
