

CDOE
COMPUTER APPLICATIONS (CBCS)
B.C.A. Sem-V : WINTER :- 2021
SUBJECT: C# PROGRAMMING

Day : Thursday
Date 24-02-2022

W-19018-2021

Time : 02:00 PM-05:00 PM
Max. Marks: 70

N.B.

- 1) Answer any **FOUR** questions from Section – I. Each question carries **10** marks.
- 2) Answer any **TWO** questions from Section – II. Each question carries **15** marks.
- 3) Answers to both the sections should be written in the **SAME** answer books.
- 4) Use of non-programmable calculator is **ALLOWED**.

SECTION – I

- Q.1 Explain ADO.NET architecture. Bring out the difference between ADO and ADO.NET
- Q.2 Explain in detail control structure statements mentioned below with suitable example.
 - a) If---elseif()
 - b) switch()
- Q.3 Discuss the various types of C# operators in detail.
- Q.4 What is polymorphism? Explain in detail compile time and run time polymorphism.
- Q.5 Write short notes on **ANY TWO** of the following:
 - a) CLR
 - b) Difference between Java and C#
 - c) Indexes

SECTION – II

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|------------|--|
| Q.6 | Explain the windows form control? How it is different from previous versions of VB |
| Q.7 | Write a program to do the following complex number C1 and C2 using operator overloading
C1 + C2, C1-C2 and C1!-C2 |
| Q.8 | Write a c# program to generate divide by zero exception and handle it with try and catch block. |

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