

BACHELOR OF COMPUTER APPLICATIONS (C.B.C.S.) (2014 COURSE)

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

SUBJECT : C# PROGRAMMING

Day : Monday
Date : 13-06-2022

S-11052-2022

Time : 10:00 AM-01:00 PM
Max. Marks : 100

N.B.:

- 1) Attempt **ANY FOUR** questions from Section – I and attempt **ANY TWO** questions from Section – II.
 - 2) Answers to both the sections should be written in the **SAME** answer books.
 - 3) Figures to the right indicate **FULL** marks .
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SECTION – I

- Q.1** Discuss in detail “Error and Exception Handling Feature of C # Programming”. [15]
- Q.2** Explain with example various looping structures used in C #. [15]
- Q.3** Write a comparative note on: [15]
a) Method overloading and Method overriding
b) Value type and Reference type
- Q.4** Discuss implementation of OOPS concepts in C # programming. [15]
- Q.5** Discuss concept of ‘Operator Overloading’ with suitable example. [15]
- Q.6** Define term ‘Constructor’ and discuss their types with applicability. [15]
- Q.7** Write note on **ANY THREE** of the following: [15]
a) Abstract class
b) LINQ
c) Generic classes
d) ‘var’ variable

SECTION – II

- Q.8** Write a C # program to demonstrate implementation of ‘Delegates’ (Make necessary assumption). [20]
- Q.9** a) Write a C # Program to sort elements stored in an array. [10]
b) Write a C # Program to find roots of Quadratic equation. [10]
- Q.10** Write a C # program to design functionality of simple calculator. [20]

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