## Important Note: 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages. 2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice.

Fifth Semester MCA Degree Examination, July/August 2021 Programming Using C# .NET

NGALORE Max. Marks:100 Time: 3 hrs.

Note: Answer any FIVE full questions.			
1	a. b. c.	What is NET Flamework! Explain the benefits of itel additional and additional and additional and additional and additional and additional and addi	(06 Marks) (06 Marks) (08 Marks)
2	a. b. c.	List and explain the different preprocessor directives available in C#. How reference types are categorized? Explain each type with suitable example. With suitable examples explain boxing and unboxing.	(05 Marks) (10 Marks) (05 Marks)
3	a. b. c.	Define Namespace. Explain the concept of creating and including the namespace program.  How to define Partial classes and methods? Illustrate with examples.  Write a C# program to demonstrate the use of properties.	(06 Marks) (08 Marks) (06 Marks)
4	a. b. c.	What is inheritance? What are the different types of inheritance? Explain the us classes with suitable example.  Explain the characteristics of Abstract classes and Abstract methods.  What are Interfaces? Why are they used in C# programming? How to create an Illustrate with example.	(04 Marks)
5	a. b.	What are delegates in C#? Explain the process of creating and using delegates. Write a C# program to find the sum of all elements present in a jagged array arrays. Explain the process of handling an exception.	(10 Marks) of 3 inner (06 Marks) (04 Marks)
6	a. b. c.		(08 Marks) (08 Marks) (04 Marks)
7	a. b. c.	how to create Data Set from Data Adapter.	(00 Marks)
8	a b c	Explain the commonly used web controls in designing a form.	on. (10 Marks) (06 Marks) (04 Marks)