

Ajay Kumar Garg Engineering College, Ghaziabad**Department of MCA****Sessional Test-2**

Course: MCA
Session: 2017-18
Subject: Dot Net Framework and C#
Max Marks: 50

Semester: V
Section: MCA-1&2
Sub Code: NMCA-513
Time: 2 hour

Note: Answer all the sections.

Section-A

A. Attempt all the parts.

(5x2=10)

1. Differentiate Const and read-only.
2. What are the uses of Indexers?
3. What is namespace?
4. What is Boxing and Unboxing?
5. Mention any two properties of check box control.

Section-B

B. Attempt all the parts.

(5x5=25)

6. What are delegates? Give an example in C# to implement multicast delegates.
7. What is operator overloading? Write a code in C# for overloading '+' operator to add two matrix objects.
8. What is collections in C#? Discuss with example.
9. Describe the use of properties, with example.
10. What is an event? Give an example.

Section-C

C. Attempt all the parts.

(2x7.5=15)

11. Explain Multithreading in C#. How can we create and start Thread? How can we set the priorities of threads, illustrate through an example?
12. Explain the exception handling mechanism in C#. Write user defined exceptions for overflow and stack empty exceptions in a class created for stack data structure.