67201

MCA 5th Semester (Old) for Re-appear candidates only Examination–December, 2013

Advanced Technology

Paper MCA-501

Time : 3 hours **Max. Marks : 75**

Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard will be entertained after the examination.

Note : Attempt **five** questions in all, selecting at least **one** question from each Unit. All questions carry equal marks.

UNIT – I

1. What is net framework architecture ? Explain managed code, assemblies and common language specification with suitable example.

15

2. Explain the following :

   (a) CTS   4

   (b) CLS   4

   (c) JIT   4

   (d) MSIL   3

UNIT – II

3. (a) What are basic features of C# ? Differentiate between each loop available in C#. Explain.   10

   (b) What is Jagged Arrays ? How they are declared ?   5

4. What is an event ? What are garbage collection. Indexer and Exception Handling ? Explain with suitable C# code.   15

UNIT – III

5. What is ADO Net ? What is architecture of ADO Net ? Explain Data Grid, Data Relation and Data Column with example.   15

6. Explain the following with example :

(a) Abstraction   5

(b) Polymorphism   5

(c) Constructor   5

UNIT – IV

7. What do you understand by Anatomy of ASP.Net page ? Create an application by imposing validation control on web control. Explain ASP.Net Web application.   15

8. Explain the following with example :

(a) Authentication

(b) State Management

(c) Advance Grid Manipulation

(d) Web Services.