

# Question Paper



## MANIPAL UNIVERSITY

**SCHOOL OF INFORMATION SCIENCES (SOIS)  
SECOND SEMESTER MASTER OF ENGINEERING ME (MEDICAL  
SOFTWARE)**

**DEGREE EXAMINATION- APRIL/ MAY 2017**

**Wednesday, 26, 2017**

**Time : 10:00 AM - 1:00 PM**

**Dot Net Technologies [MMS 612]**

**Marks: 100**

**Duration: 180 mins.**

### **Answer all the questions.**

- 1) Write short notes on : (10)
  - a) Common Type System and Common Language Specification.
  - b) Metadata and Manifest in .Net Assembly.
- 2) With a neat diagram explain the workflow that takes place between the source code, a given .NET compiler, and the .NET execution engine. (10)
- 3) Explain significance of constructor, constructor overloading, private constructors, and static constructor with reference to C#. (10)
- 4) Explain branching statements available in c# with one example each. (10)
- 5) What are Indexers in C#? Explain with an example. Compare Indexer with Class property. (10)
- 6) How multiple inheritance is achieved in C#. Explain with an example. (10)
- 7) With an example explain how you would implement call back mechanism using delegate. (10)
- 8) Write a short note on: virtual and override keywords used in C#. (10)
- 9) Explain with example different classes used for connected layer method for retrieving data (10)

from SQL data source.

10)

List five categories of ASP.NET Web controls and provide two examples each for each category.

(10)