MANIPAL UNIVERSITY

FIRST SEMESTER ME (EMBEDDED SYSTEMS & INSTRUMENTATION)/THIRD SEMESTER M. Sc. TECH (EMBEDDED & INSTRUMENTATION) ESIGELEC, FRANCE DEGREE EXAMINATION – NOVEMBER 2015

SUBJECT: ESI 615.3 (ELECTIVE 1) – DOT NET TECHNOLOGIES

Wednesday, November 18, 2015

Time: 10:00 – 13:00 Hrs.   Max. Marks: 100

1.   Explain metadata and manifest.

(10 marks)

2.   Write short notes on Object life time in .Net.

(10 marks)

3.   Explain with an example constructors in C#. With an example explain constructor overloading and private constructors.

(10 marks)

4.   Write short notes on method modifiers in C Sharp.

(10 marks)

5.   Explain with an example:
5A.   abstract classes
5B.   abstract methods

(5+5 = 10 marks)

6.   What are Indexers in C#? Explain with an example.

(10 marks)

7.   Explain delegates. Show how we can use delegates in C# program.

(10 marks)

8.   Write short notes on DirectoryInfo member types. Write a program in C# to get Directory properties from DirectionInfo class.

(10 marks)

9.   Explain the role of HTTP.

(10 marks)

10. Write a C# Code to open a connection to a database and then perform the following actions:

10A. Insert

10B. Delete

10C. update

10D. Select

(2+2+3+3 = 10 marks)

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