Seat No.: _____   Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY
M.E.- SEMESTER–I • EXAMINATION – WINTER 2013

Subject Code: 2715307   **Date: 03-01-2014**
Subject Name: Compact Framework for MS Windows Mobile
Time: 10.30 To 13.00   **Total Marks: 70**
Instructions:
1. Attempt question 1, which is compulsory and answer any five from the rest questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right hand indicate the marks.

Q. No. 1   [2 Marks X 10 = 20 Marks]
   a. What is the intellisense?
   b. What is method over loading?
   c. What is operator overloading?
   d. What is CLR?
   e. What is type safety?
   f. How do you use break points in code?
   g. What is LINQ?
   h. What is IL?
   i. What is the abbreviation of CLS?
   j. What is LINQ to SQL?

Q. No. 2
   a. What is converting type from value type to reference type called and how do you do it?
                                                                         [5 Marks]
   b. Where are the value types and reference types stored in memory, explain?   [5 Marks]

Q. No. 3
   a. What is runtime polymorphism give an example?   [5 Marks]
   b. What is the difference between arraylist and array?   [5 Marks]

Q. No. 4
   a. What is abstract class illustrate with a small example?   [5 Marks]

   b. What happens when you declare the class constructor as private explain?   [5 Marks]

Q. No. 5

What is a proxy explain using a program how to create and use proxy for a WCF service? [10 Marks]
Q. No. 6
What is exception handling explain in detail how .net handles exceptions?   [10 Marks]

Q. No. 7
What is the architecture of .net framework illustrate with a simple diagram?   [10 Marks]

No. 8 Explain the process of garbage collection and memory management in C#?   [10 Marks]

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