

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
M.E. - SEMESTER- I EXAMINATION –SUMMER-2015

Subject code: 3715307/2715307

Date: 18/05/2015

Subject Name: Compact Framework for MS Windows Mobile

Time: 10:30 AM to 01:00 PM

Total Marks: 70

Instructions:

- 1. Attempt all questions.**
- 2. Make suitable assumptions wherever necessary.**
- 3. Figures to the right indicate full marks.**

Q. No. 1

- a. What do you mean by Abstract Class and Interface in C#? Mention 5 differences between them. [7 Marks]
- b. What is a MS.NET framework Assembly & what are the contents of assembly? [7 Marks]

Q. No. 2

- a. Explain in detail the types of contract in Windows Communication Foundation? [7 Marks]
 - b. Define delegate, multicast delegate & event in C#. Explain with suitable example. [7 Marks]
- OR
- b. Describe the roles of CLR & JIT compiler in .NET Framework. [7 Marks]

Q. No. 3

- a. Write advantages of CLR procedure over T-SQL procedure. [3 Marks]
 - b. What are differences between Array list and Hash table in C#? [4 Marks]
 - c. What is Garbage Collection in MS.NET framework? Explain the types of generations in a garbage collector. [7 Marks]
- OR

Q. No. 3

- a. Explain various collection classes in .NET & their usages. Show in code snippet. [7 Marks]
- b. How to do object pooling in .NET? How can you make Windows API calls in .NET? [7 Marks]

Q. No. 4

- a. What is Silverlight? Write all the advantages of Silverlight. [6 Marks]
 - b. Explain in detail about LINQ & Lambda expression with example. [8 Marks]
- OR

Q. No. 4

- a. What do you mean by extension method in C#? Explain it with the example. [7 Marks]
- b. Discuss the tools required for developing Silverlight applications? [7 Marks]

Q. No. 5

- a. Explain Access modifiers in C# and demonstrate each access modifier on a type & member. [8 Marks]
 - b. How to add a ReadOnly property in C#.NET? Show it through an example. [6 Marks]
- OR

Q. No. 5

- a. Explain method overloading & overriding in C# through example. Discuss their differences. [8 Marks]
- b. Write the difference between struct & class in C#. Explain through examples. [6 Marks]
