

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
M. E. - SEMESTER – I • EXAMINATION – WINTER • 2014

Subject code: 3715307

Date: 12-01-2015

Subject Name: Compact Framework for MS Windows Mobile

Time: 02:30 pm - 05:00 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 are different accessibilities levels defined in .NET? Explain each of them. [7 Marks]
- b. Discuss the Components in Feb 2011 Silverlight for Windows Phone Toolkit. [7 Marks]

Q. No. 2

- a. What do you mean by OneDrive? What Does OneDrive Offer in terms of storage space? Explain how to access OneDrive? [7 Marks]
- b. What do you mean by Shadowing and Overriding? Write their differences through examples. [7 Marks]

OR

- b. How do you do object pooling in .NET? How can we make Windows API calls in .NET? [7 Marks]

Q. No. 3

- a. How can we use .NET components in COM? What is CCW? Which care needs to be taken in order that .NET components are compatible with COM? [7 Marks]
- b. What do you mean by garbage collection? Explain the difference between garbage collections in .NET 4.0 and earlier versions. [7 Marks]

OR

Q. No. 3

- a. Discuss the tools required for developing Silverlight applications? [7 Marks]
- b. What is XAML? Explain it in detail through a code. [7 Marks]

Q. No. 4

- a. What is the AppManifest.xml file? Explain it and write it use. [7 Marks]
- b. Write the difference between WPF and Silverlight. [7 Marks]

OR

Q. No. 4

- a. Describe the roles of CLR & JIT compiler in .NET Framework. [7 Marks]
- b. What do you mean by WCF? Write various ways of hosting a WCF service. Explain the contracts in WCF. [7 Marks]

Q. No. 5

- a. What are the new features in IIS7? Explain. [7 Marks]
- b. What is an Assembly? Write different types of Assemblies. Write the difference between Namespace and Assembly. [7 Marks]

OR

Q. No. 5

- a. What is Native Image Generator (Ngen.exe)? Explain. [7 Marks]
- b. How to implement cloning in .NET? What is shallow copy and deep copy? Explain each of them through example. [7 Marks]