Seat No.: _____   Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY
B. E. - SEMESTER – VII • EXAMINATION – WINTER 2012

Subject code: 171604   **Date: 28/12/2012**
Subject Name: Dot Net Technology (Department Elective - I)
Time: 10.30 am - 01.00 pm   **Total Marks: 70**
Instructions:
1. **Attempt any five questions.**
2. **Make suitable assumptions wherever necessary.**
3. **Figures to the right indicate full marks.**

Q.1	**(a)**	Explain the following terms: 1. MSIL 2. CLR 3. CTS 4.CLS 5. GAC 6. Jitter 7. Assembly Manifest	**07**
	(b)	Draw the .net framework architecture. State its advantage.	**07**
Q.2	**(a)**	What is namespace? Write a VB.Net code to illustrate the use of user defined namespace.	**07**
	(b)	What is Thread? Discuss about its priorities. Also write a VB.Net code to implement the multithreading concept.	**07**
		OR	
	(b)	What is inheritance? Write a VB.Net code to illustrate the inheritance.	**07**
Q.3	**(a)**	What is form dialog? Explain the following with suitable example. 1. FolderBrowserDialog 2. FontDialog 3. ColorDialog	**07**
	(b)	Draw and explain ADO.Net architecture.	**07**
		OR	
Q.3	**(a)**	What is property? Differentiate it with indexer. Write a C# code to implement the properties for name and age data member of Person class.	**07**
	(b)	What is delegate? Explain it with suitable example.	**07**
Q.4	**(a)**	What is the extension of following: 1. ASP.Net page 2. Master Page 3.Skin File 4. Web Service File 5. ASP.Net Code Behind with C# 6. Web User Control 7. SQL Server Database File	**07**
	(b)	What is state management? Write a ASP.Net code to implement the code of visitor counter using Application State	**07**
		OR	
Q.4	**(a)**	Explain Following ASP.Net Server Controls with suitable example 1. CheckBoxList 2. Image 3. HyperLink	**03** **02** **02**
	(b)	What is Master Page? Write a sample Master Page to implement the basic layout of website and Crate Sample Content Page to provide basic content of website.	**07**
Q.5	**(a)**	What is webservice? Create a webservice to retrieve Zip Code based on provided City Name. Also write a code to consume mentioned service.	**07**
	(b)	What is WPF? Explain its features. Also draw and explain WPF architecture	**07**
		OR	
Q.5	**(a)**	What is Theme? State its importance. Explain it in details with suitable example.	**07**
	(b)	Write a short note on WCF along with its Architecture	**07**

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