Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-VII • EXAMINATION - WINTER 2013

	•	Code: 1/1604 Date: 03-12-201	13
Tin	ne: 10	Name: Dot Net Technology 0:30 TO 01:00 Total Marks: 7	70
Inst		ns: Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	
Q.1	(a) (b)	Explain Following terms: 1) Side by Side Execution Explain .NET Framework architecture with diagram and discuss its benefits.	06 08
Q.2	(a) (b)	Write a VB.NET application to create your own class and demonstrate constructor overloading. What is namespace? Discuss classes of System.Collections namespace.	07 07
	(b)	OR What do you mean by Inheritance? Explain Inheritance in VB.NET with appropriate example and code.	07
Q.3	(a)	Explain Error handling in VB.NET and Create a VB.NET Application to handle DivideByZeroException.	08
	(b)	Explain Following with VB.NET code. 1) FolderBrowserDialog Control 2) SaveFileDialog Control 3) ColorDialog Control.	06
Q.3	(a)	OR Explain Events and Delegates in C#. Write C# code to demonstrate use of Delegate.	07
	(b)	Enlist various Windows Form Controls. Create a VB.NET Application for demonstrating use of any five Controls.	07
Q.4	(a)	Explain advantages of themes and master page in ASP.NET. Write sample web application to show use of themes.	07
	(b)	Explain ASP.NET AdRotator Control with a example. OR	07
Q.4	(a) (b)	Compare classic ADO and ADO.NET. Draw ADO.NET Architecture. What is Session? Explain ASP.NET Session state management. Write a code snippet to store session state in SQL Server.	07 07
Q.5	(a) (b)	What is Thread? Discuss .NET's multithreading functionality by example. Write an ASP.NET application to count number of visitors of page and also give code to insert data in MS SQL database table userInfo(having fields <i>id</i> and <i>username</i>) by establishing connection to the database. OR	07 07
Q.5	(a)	Explain web services. Write a .NET based web service for calculator functionality include addition, subtraction and multiplication operations and code for consuming web service.	07
	(b)	Draw and discuss WPF architecture.	07
