

**GUJARAT TECHNOLOGICAL UNIVERSITY****B. E. - SEMESTER – VII • EXAMINATION – WINTER 2012****Subject code: 170707****Date: 28/12/2012****Subject Name: Advance .Net Technology****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) I. Explain CLR and CTS. **04**  
 II. Differentiate Managed and Unmanaged Code in .Net framework. **03**
- (b) Which are the types of event in ASP.NET? Explain the Page execution in ASP.NET. Which are the main events are executed when page is Requested. ? **07**
- Q.2** (a) What is validation in web development? Explain various Controls for validation in APS.NET with Example. **07**
- (b) What is Exception in C# .Net? Explain Exception handling techniques with example in C#. **07**
- OR**
- (b) Explain Event and Delegate with Example in C# **07**
- Q.3** (a) Explain GDI+ application development with example. **07**
- (b) Explain Reflection API in C# with example. **07**
- OR**
- Q.3** (a) Define web Services in .NET. How to create and consume the web service in .NET? **07**
- (b) What is View State? Explain View sate techniques in ASP .NET. How it is differ from session state. **07**
- Q.4** (a) Explain Compilation Process of .Net frame work program. Explain various components in this process. **07**
- (b) Explain use of WCF in .Net framework. Define various techniques in WCF. How to use Ajax controls in ASP .Net? **07**
- OR**
- Q.4** (a) What is Disconnected Architecture in ADO .Net? **07**  
 Explain following objects of ADO .Net: SqlConnection, SqlCommand, SqlDataAdapter with example.
- Q.4** (b) What are Client Side Control and Server Side Control in ASP .Net? Create User define control to count the length of string using C#. **07**
- Q.5** (a) Explain the steps to Update the Data from GridView in ASP .Net use SQL Server as database. **07**
- (b) Differentiate Array and Array List in .Net with example in C# .Net. Explain various methods of Array List. **07**
- OR**
- Q.5** (a) Explain Master page in Web Base and Window base Application. **07**
- (b) 1. Define Namespace. **01**  
 2. In C#, Constructor can return the value. Justify. **02**  
 3. Can we overload the assignment operator in C#? Justify it. **02**  
 4. Indexer can't be overloaded. Justify it. **02**

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