

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-VII EXAMINATION – SUMMER 2016****Subject Code:170707****Date:05/05/2016****Subject Name:Advance .Net Technology (Department Elective - I)****Time:02:30 PM to 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.1** (a) Explain following terms with respect to .NET framework **07**
1. Base Class Library
2. Common Language Runtime (CLR)
- (b) Differentiate following **07**
1. Dim and ReDim
2. Function and Subroutine
- Q.2** (a) Explain VB .NET syntax of **07**
1. Inheritance
2. Constructor (with and without parameters)
- (b) What is exception and exception handling? Give examples of some of system generated exceptions. **07**
- OR**
- (b) Explain event handling mechanism in windows form. **07**
- Q.3** (a) Explain following terms in ASP .NET with suitable examples. **07**
1. Postback and Viewstate
2. Code Behind
- (b) What is the use of validation control? Write and explain syntax of any two validation controls of ASP .NET **07**
- OR**
- Q.3** (a) Explain with examples **07**
1. Validation summary
2. IsValid property of ASP .NET page
- (b) What do you mean by Master page? Explain syntax of creating master page. **07**
- Q.4** (a) What do you mean by disconnected data access? List various namespaces and important classes used to perform disconnected data access. **07**
- (b) Give differences between cookies and session objects. **07**
- OR**
- Q.4** (a) Explain following with respect to C# **07**
1. Unsafe code
2. Delegates
- (b) What do you mean by data bound control? Explain any one with its syntax. **07**
- Q.5** (a) Write a program to display contents of “Users” database table using ADO.NET **07**
- (b) Write VB .NET program to display following pattern. **07**
1
12
123
1234

OR

- Q.5** (a) Write ASP .NET program to get age from user. Validate form so that entered age must be between 18 and 60. (Use appropriate validation control) **07**
- (b) Write VB .NET program to illustrate concept of method overriding. **07**
