

**GUJARAT TECHNOLOGICAL UNIVERSITY****BE - SEMESTER-VII (OLD) EXAMINATION – WINTER 2018****Subject Code: 170707****Date: 15/11/2018****Subject Name: Advance .Net Technology****Time: 10:30 AM TO 01:00 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) Draw neat and clean diagram of .NET framework. Explain its important components. **07**  
(b) Explain syntax of inheritance and constructor in VB.NET. **07**
- Q.2** (a) What do you mean by structured error handling? Give proper example. **07**  
(b) List out String Manipulation Functions? Explain any five of them? **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 validation control in ASP.NET? Explain any two validation control with its syntax. **07**
- OR**
- Q.3** (a) Explain the concept of master pages in ASP .NET. **07**  
(b) What is data binding? Explain data bound controls. **07**
- Q.4** (a) Explain ADO.NET Architecture. **07**  
(b) Give differences between Session object and cookies. **07**
- OR**
- Q.4** (a) Enlist various classes of ADO. Net which are used for database interaction. **07**  
(b) Write a sample code in C#.Net for dataset and data reader. **07**
- Q.5** (a) Write a program to generate divide by zero exception and also handle this exception. **07**  
(b) Write a short note on WPF. **07**
- OR**
- Q.5** (a) Explain concept of creating and applying Theme in ASP.NET. **07**  
(b) Explain AJAX Controls. **07**

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