

**GUJARAT TECHNOLOGICAL UNIVERSITY****BE - SEMESTER-VII (OLD) EXAMINATION – WINTER 2018****Subject Code: 171604****Date: 15/11/2018****Subject Name: Dot 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) Explain .Net framework architecture with diagram. **07**  
(b) What is Namespace? Discuss classes of System.Collections namespace. **07**
- Q.2** (a) Differentiate the following terms: **07**  
1. ASP and ASP.Net.  
2. Session and Cookies.  
(b) What is Structured Error Handling in VB .NET? Explain with proper example. **07**
- OR**
- (b) Explain multithreading with suitable example. **07**
- Q.3** (a) Explain Dispose and Finalization methods. **07**  
(b) What is method overloading? Create VB.Net console application to overload area method to find area of circle, triangle and rectangle. **07**
- OR**
- Q.3** (a) Explain FileUpload Control with suitable example in ASP.NET. **07**  
(b) Explain Reflection API in C# with example. **07**
- Q.4** (a) Explain AdRotator Control with example. **07**  
(b) Explain Constructor with example. **07**
- OR**
- Q.4** (a) What is inheritance? Explain it in brief with suitable example using VB.Net. **07**  
(b) Explain usage of following ADO.Net objects with their methods. **07**  
1) Data adapter  
2) Command object  
3) Dataset
- Q.5** (a) Draw and explain ADO.Net architecture. **07**  
(b) What is web service? Create a web service with web method to find sum of two numbers and also give code to consume it. **07**
- OR**
- Q.5** (a) Draw and discuss WPF architecture. **07**  
(b) Explain Master pages and Themes with relevant example. **07**

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