

GUJARAT TECHNOLOGICAL UNIVERSITY**B. E. VIIth Semester–Examination – Nov- 2011****Subject code: 170707****Subject Name: Advance .Net Technology****Date: 29/11/2011****Time: 10:30 am – 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 **07**
 (b) Explain following terms:
 i) Jitter **02**
 ii) CLS & CTS **04**
 iii) Managed Code **01**
- Q.2** (a) What is inheritance? Create VB .Net console application to define shape class and derive circle and rectangle from it to demonstrate inheritance. **07**
 (b) What do you mean by Thread? State its advantages. Describe Thread priorities. Also give VB. Net code to implement it. **07**
- OR**
- (b) What is structured error handling? Explain it in details and create VB. Net console application to find division of two numbers. Also handle DivideByZeroException. **07**
- Q.3** (a) What is method overloading? Create VB.Net console application to overload area method to find area of circle, triangle and rectangle. **07**
 (b) What is Dialog? Explain following Dialogs with its usage. **07**
 i) FontDialog
 ii) SaveFileDialog
 iii) FolderBrowserDialog
- OR**
- Q.3** (a) What is indexer? Differentiate it with property. Explain it with suitable example. **07**
 (b) Explain ADO.Net architecture. **07**
- Q.4** (a) Differentiate ASP and ASP.Net. Also explain Label and TextBox controls with example. **07**
 (b) What is state management? Explain Session and Cookie state with suitable example. **07**
- OR**
- Q.4** (a) What is Theme? Create skin file to format various controls and give code to apply theme in ASP.Net webpage. **07**
 (b) What is data-bound control? Explain Repeater control to display list of products with code and price. **07**
- Q.5** (a) What is webservice? Create a web service to add two numbers. Also give code to consume it. **07**
 (b) What is AJAX? Give ASP.Net code to use UpdatePanel control. **07**
- OR**
- Q.5** (a) What is WPF? Explain it in details with all its features. **07**
 (b) Give ASP.Net code to rotate advertisements with AdRotator control. **07**