

GUJARAT TECHNOLOGICAL UNIVERSITY**B. E. VIIth Semester–Examination – Nov- 2011****Subject code: 171604****Subject Name: Dot 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 with its block diagram. **07**
 (b) Explain following terms:
 i) Assembly **02**
 ii) MSIL **02**
 iii) Side by Side Execution **02**
 iv) Versioning **01**
- Q.2** (a) What do you mean by structured error handling? Create VB .Net console application to accept 10 numbers from user and find its average. Also handle **07**
 IndexOutOfRangeException
 (b) What is namespace? Explain it with its advantages. Create VB.Net console application to implement user defined namespace. Also give code to import it in another application. **07**
- OR**
- (b) What is inheritance? Create VB .Net console application to define person class and derive student and employee from it to demonstrate inheritance. **07**
- Q.3** (a) What is DataSet? Explain its advantage. Give code to work with it. **07**
 (b) What is Dialog? Explain following Dialogs with its usage. **07**
 i) FolderBrowserDialog ii) OpenFileDialog iii) ColorDialog
- OR**
- Q.3** (a) What is Property? Explain read only, write only and read write property with suitable example. **07**
 (b) What is delegate? What is its real time usage? Give C# code to demonstrate delegate. **07**
- Q.4** (a) Differentiate ASP and ASP.Net. Explain Hyperlink and Image controls with example. **07**
 (b) What is Theme? Differentiate css and skin file. Give ASP.Net code to define theme and also give code to apply it in webpage. **07**
- OR**
- Q.4** (a) What is Master Page? Give ASP.Net code to demonstrate the usage of nested master page. **07**
 (b) What do you mean by data bound controls? Explain DataList control with code to display list of students with enrolmentno and branch. **07**
- Q.5** (a) What is state management? Explain Application state and Viewstate with suitable example. **07**
 (b) Write the short note on WCF, Silverlight and WF. **07**
- OR**
- Q.5** (a) What is webservice? Create a web service to find area of circle. Also give code to consume it. **07**
 (b) What is AJAX? Give ASP.Net code to use UpdatePanel control. **07**
