

GUJARAT TECHNOLOGICAL UNIVERSITY**B. E. - SEMESTER – VII • EXAMINATION – WINTER 2012****Subject code: 171604****Date: 28/12/2012****Subject Name: Dot Net Technology (Department Elective - I)****Time: 10.30 am - 01.00 pm****Total Marks: 70****Instructions:**

1. Attempt any five questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q.1 (a)** Explain the following terms: **07**
 1. MSIL 2. CLR 3. CTS 4. CLS
 5. GAC 6. Jitter 7. Assembly Manifest
- (b)** Draw the .net framework architecture. State its advantage. **07**
- Q.2 (a)** What is namespace? Write a VB.Net code to illustrate the use of user defined namespace. **07**
- (b)** What is Thread? Discuss about its priorities. Also write a VB.Net code to implement the multithreading concept. **07**
- OR**
- (b)** What is inheritance? Write a VB.Net code to illustrate the inheritance. **07**
- Q.3 (a)** What is form dialog? Explain the following with suitable example. **07**
 1. FolderBrowserDialog
 2. FontDialog
 3. ColorDialog
- (b)** Draw and explain ADO.Net architecture. **07**
- OR**
- Q.3 (a)** What is property? Differentiate it with indexer. Write a C# code to implement the properties for name and age data member of Person class. **07**
- (b)** What is delegate? Explain it with suitable example. **07**
- Q.4 (a)** What is the extension of following: **07**
 1. ASP.Net page 2. Master Page 3. Skin File
 4. Web Service File 5. ASP.Net Code Behind with C#
 6. Web User Control 7. SQL Server Database File
- (b)** What is state management? Write a ASP.Net code to implement the code of visitor counter using Application State **07**
- OR**
- Q.4 (a)** Explain Following ASP.Net Server Controls with suitable example **03**
 1. CheckBoxList 2. Image 3. HyperLink **02**
02
- (b)** What is Master Page? Write a sample Master Page to implement the basic layout of website and Create Sample Content Page to provide basic content of website. **07**
- Q.5 (a)** What is webservice? Create a webservice to retrieve Zip Code based on provided City Name. Also write a code to consume mentioned service. **07**
- (b)** What is WPF? Explain its features. Also draw and explain WPF architecture **07**
- OR**
- Q.5 (a)** What is Theme? State its importance. Explain it in details with suitable example. **07**
- (b)** Write a short note on WCF along with its Architecture **07**
