

**GUJARAT TECHNOLOGICAL UNIVERSITY****BE- VII<sup>th</sup> SEMESTER-EXAMINATION – MAY/JUNE- 2012****Subject code: 171604****Date: 29/05/2012****Subject Name: Dot Net Technology****Time: 02:30 pm – 05:00 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) (i) Answer short questions:
- (1) What is web.config? How many web.config files can be allowed to use in an application? **01**
  - (2) What is the use of Page.IsValid property and when it is used? **01**
  - (3) What are the access-specifiers available in C#? **01**
- (ii) What is Reflection in .Net? **04**
- (b) Explain Common Language Runtime (CLR) with diagram. **07**
- Q.2** (a) (i) How Try...Catch...Finally statement is executed? Explain in brief with example. **03**
- (ii) Write a Short note: **04**
- (1) Namespaces
  - (2) Cascading Style Sheet (CSS)
- (b) Define Unsafe code in C#. How pointers are declared in C#? Explain with example. **07**
- OR**
- (b) How the variables are declared in VB.NET and describe the different types of variables with example. **07**
- Q.3** (a) (i) Explain following properties of GridView control. **04**
- (1) PageSize
  - (2) SelectedIndex
  - (3) CaptionAlign
  - (4) BackImageUrl
- (ii) What is an event? Explain any three Keyboard events. **03**
- (b) What are Cookies and when they are used? Explain the objects and methods used create, add and retrieve the cookies. **07**
- OR**
- Q.3** (a) (i) Explain in brief: **04**
- (1) OpenFileDialog Control
  - (2) PrintDialog Control
- (ii) Explain TextBox control with its important properties, methods and events. **03**
- (b) Discuss different modes of Session state to preserve the state information in ASP.NET. **07**
- Q.4** (a) Write a VB.NET program that will read a string and count the total number of words in a string. Also write a code to count all occurrences of a particular word enter by user. **07**

- (b) Write an ASP.NET code to fetch the data from SQL database table Student (having fields ID, Name, Roll Number and Age) on an ASP.NET page. Write the code to establish the connection and to retrieve and delete the data. **07**

**OR**

- Q.4** (a) Write a program in VB.NET that will read a string and rewrite it in the alphabetical order. i.e. the word SOFTWARE should be written as AEFORSTW. **07**

- (b) Write an ASP.NET code to add the data into an SQL database table Employee (having fields ID, Name, Age, Mobile Number and Email) from an ASP.NET page. Write the code to establish the connection and to insert the data. **07**

- Q.5** (a) What are Master pages? How to create Nested Master Pages? Explain with example. **07**

- (b) What is WCF? Explain WCF Architecture with diagram. **07**

**OR**

- Q.5** (a) What are Web Services? Discuss their uses and advantages. **07**

- (b) What is GDI+? **07**

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