Nepal College of Information Technology

**Assessment**

Fall 2012

Program : BE Time : 3 hrs

Semester : Fall (VII) FM : 100

Subject : Dot Net Technology PM : 50

* *Candidates are required to give their answers in their own words as far as practicable.*
* *Make assumptions if necessary. Each question carries equal marks.*
* ***Attempt any 5 questions.***

1. Describe in detail the layered architecture of .net framework.

2. Explain the terms Common Language Runtime and Garbage Collection in relation to .NET.

3. Write a C# Console Application that read a character array and count the number of vowels in that array. (For example: “portal” has 2 vowels)

4. How are classes different from structures in .net C# language. Show with an example.

5. Explain few of C# OOP terminologies: virtual, override, readonly, sealed

6. What is the syntax for method. What are the different method modifiers used in C#.

7. Write a complete Windows Application that has a ComboBox control with the list of the fruits. Display the selected fruit in the another label on its change event.

8. Write Short Notes on: (any two)

a. Visual Studio IDE

b. Boxing / Unboxing

c. Value and Reference Types

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