Enrollment No: _____   Exam Seat No:_____

C.U.SHAH UNIVERSITY
Winter Examination-2015

Subject Name: Programming with Dot Net Technology

Subject Code: 4TE05PDN1   **Branch:** B.Tech (CE)

Semester: 5   **Date:** 4/12/2015   **Time:** 2:30 To 5:30   **Marks:** 70

Instructions:
   (1) Use of Programmable calculator & any other electronic instrument is prohibited.
   (2) Instructions written on main answer book are strictly to be obeyed.
   (3) Draw neat diagrams and figures (if necessary) at right places.
   (4) Assume suitable data if needed.

Q-1   **Attempt the following questions:**   **(14)**

a) Which of these methods are used to read single character from the console?
a) get()
b) getline()
c) read()
d) readLine()

b) Value type variables can be assigned a value directly which are derived from the class
A) System. value
B) System.ValueType
C) General.ValueType
D) Variable.ValueType

c) Choose the keyword which declares the indexer?
a) base
b) this
c) super
d) extract

d) Correct way of declaration of object of the following class is ?
class name
a) name n = new name();
b) n = name();
c) name n = name();
d) n = new name();

e) Which reference modifier is used to define reference variable?
a) &
b) ref
c) #
d) $

f) Which feature enables to obtain information about the use and capabilities of types at runtime?
a) Runtime type ID
b) Reflection
c) Attributes
d) None of the mentioned

g) Which of these exceptions will occur if we try to access the index of an array beyond its length?
a) Arithmetic Exception
b) Array Exception
c) ArrayArguementException
d) IndexOutOfRangeException

h) Types of 'Data Conversion' in C#?
a) Implicit Conversion
b) Explicit Conversion
c) Implicit Conversion and Explicit Conversion
d)Local to Global Conversion

i) What is output for the following set of expression?
int a+= (float) b/= (long)c.
a) float
b) int
c) long
d) None of the mentioned

j) The proper way to convert a string to all lowercase is:
a) String = string.ToLower(string);
b) ToLower(string);
c) string.ToLower();
d) string.ToLower(string);

k) Code snippet for having a named instance of SQL Server would be :
a) "Server=localhost\sqlexpress"
b) "Server=local\sqlexpress"
c) "Server=host\sqlexpress"
d) "Ser=localhost\sqlexpress"

l) Which of the following is enumeration for ADO.net with SQL Server?
a) SqlInfo
b) SqlBulkCopyOptions
c) SqlNotification
d) All of the mentioned

m) The Activated event is found only in which object?
a) Form
b) Button
c) Textbox
d) Label

n) Which of the following object is used by the Data Adapter to retrieve the data from database?
a) Connection
b) Data Reader

c) Data Scalar
d) Command

Attempt any four questions from Q-2 to Q-8

Q-2		**Attempt all questions**	
	a)	What do you mean by Method? Explain various options to call it with suitable example.	**(07)**
	b)	What do you mean by Thread? State its Advantages. Describe Thread Priorities. Also give VB.Net Code to implement it.	**(07)**
Q-3		**Attempt all questions**	
	a)	Write a VB.Net Console Application to Check Whether a given number is palindrome or Not.	**(05)**
	b)	Write a Short note on MDI Form in VB.Net.	**(05)**
	c)	Explain Function Overloading with examples in VB.Net.	**(04)**
Q-4		**Attempt all questions**	
	a)	Draw .Net Framework Architecture .State its Advantage.	**(07)**
	b)	Explain Exceptions Handling in VB.Net.	**(07)**
Q-5		**Attempt all questions**	
	a)	Compare Classic ADO and ADO.NET.	**(07)**
	b)	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)**
Q-6		**Attempt all questions**	
	a)	What is Delegate? What is its real time Usage? Give C# Code Demonstrates delegate.	**(07)**
	b)	What is bound list box Control? Explain settings of Data Source, Display Member and Value Member properties of List box Control with Dataset.	**(07)**
Q-7		**Attempt all questions**	
	a)	What is Dialog? Explain different types of Dialogs with its usage.	**(07)**
	b)	Write a Window Form Application that will make connection with SQL Server express and Perform operation of Insert, Update and Search of data on Student information form.	**(07)**
Q-8		**Attempt all questions**	
	a)	Write a Windows Form Application that will make Simple Calculator.	**(07)**
	b)	Explain Label, Tree View and Button Windows Control with its properties and methods with suitable example.	**(07)**