C.U.SHAH UNIVERSITY
Summer Examination-2018

Subject Name: Programming With Dot Net Technology

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

Semester: 5   **Date: 23/03/2018**   **Time: 10:30 To 01:30**   **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 :(One mark for each)   **(14)**
  a)   What do you mean by Boxing?
  b)   What is enum in C#?
  c)   Can Multiple Catch Blocks executed in c#?
  d)   What is jagged array?
  e)   Different Ways of Method can be overloaded.
  f)   What is BCL?
  g)   What is the difference between a struct and a class in C#?
  h)   How do you prevent a class from being inherited?
  i)   Why don't we have multiple inheritances in .NET?
  j)   What is the global assembly cache?
  k)   What is the difference between "continue" and "break" statements in C#?
  l)   Why .Net is platform Independent?
  m)   What is an Interface?
  n)   What is Indexer in C# .Net?

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

Q-2   Attempt all questions
  a)   What is namespace? Explain user defined namespace and show how to import it in   **07**
             Other application.
  b)   Why property is needed? Explain read only and write only property with example.   **07**

Q-3   Attempt all questions
  a)   Explain .Net framework architecture with diagram and discuss its advantages.   **07**
  b)   What is inheritance? Explain it in brief with suitable example using vB.Net.   **07**

Q-4   Attempt all questions
  a)   What is delegate? Explain it with suitable example.   **07**

b)	Draw and explain ADO.Net architecture.	**07**

Q-5 Attempt all questions

a)	Explain the following controls by giving example with its main Properties, methods and events. i) Checkbox Control ii) Combo box Control	**07**
b)	What is unsafe code? Explain its use in c#.net with relevant example.	**07**

Q-6 Attempt all questions

a)	Create vb.net console application for reading 10 elements and printing average of It. Also Handle divide by zero exception	**07**
b)	Explain Image and List Box controls with its syntax and example.	**07**

Q-7 Attempt all questions

a)	Explain Constructors and Destructors with example.	**07**
b)	What is Dialog? Explain following Dialogs with its usage. i) FolderBrowserDialog ii) OpenFileDialog iii) Color Dialog	**07**

Q-8 Attempt all questions

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)	What do you mean by Method? Explain various options to call it with suitable example.	**07**