Enrollment No: _____   Exam Seat No:_____

C. U. SHAH UNIVERSITY
Summer Examination-2020

Subject Name: Programming with Dot Net Technology

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

Semester : 5   **Date : 28/02/2020**   **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:**   **(14)**

  a) What is an IL?
  b) What is full form of GAC?
  c) What is difference between a Checkbox control and a Radio Button control?
  d) Which property is used to make a Form to be MDI Form?
  e) How can you enable a text box to change its characters format, so that users can enter password?
  f) Dataset can store only a single table (True/False)
  g) Can we overload the assignment operator in C#? Justify it.
  h) Define Managed Code.
  i) In C#, Constructor can return the value. Justify.
  j) What is the Full form of IDE?
  k) What are the benefits of GDI+
  l) Define Function Overriding.
  m) What is the use of delegate?
  n) Why .Net is event Driven Programming Language?

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

Q-2   **Attempt all questions**   **(14)**
  a) What is Namespace? Write a short note on Namespaces.
  b) Explain the significance of Property and Indexers with example

Q-3   **Attempt all questions**   **(14)**
  a) Write a console application to Perform Celsius to Fahrenheit Conversion and Fahrenheit to Celsius conversion
  b) Write a short note on MDI form in C#.NET

Q-4   **Attempt all questions**   **(14)**
   a) Explain any two dialogue box controls with properties.
   b) Create a console application in C# which demonstrates inheritance. Is multiple inheritances supported in C#? Justify**.**

Q-5   **Attempt all questions**   **(14)**
   a) Explain .Net framework architecture with diagram and also discuss IL, CLR, CTS and CLS.
   b) List and explain important classes of ADO .NET.

Q-6   **Attempt all questions**   **(14)**
   a) Differentiate Array and Array List in .Net with example in C# .Net. Explain various methods of Array List.
   b) Differentiate between connected and disconnected data access.

Q-7   **Attempt all questions**   **(14)**
   a) Write a C# program which creates windows form with two List Boxes listBox1, listBox2, and button named Transfer. When button is clicked it should transfer all items from listBox1 to listBox2.
   b) Write a C# code to insert data into sql server database for the given table. Table: Product (ItemId, ItemName, Quantity, Itemrate, Amount).

Q-8   **Attempt all questions**   **(14)**
   a) Explain any three windows form controls.
   b) Explain the difference between ADO and ADO.NET