

Enrollment No: _____ Exam Seat No: _____

C. U. SHAH UNIVERSITY

Winter Examination-2021

Subject Name : Programming with Dot Net Technology

Subject Code : 4TE05PDN1

Branch: B.Tech (CE)

Semester: 5

Date: 17/12/2021

Time: 11:00 To 02:00

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

- a) Define MSIL
- b) What is Managed Code?
- c) What is C#?
- d) How many types of comments used in C#?
- e) What is the difference between C#, VB, and VB.Net?
- f) Define Class
- g) What is Function Overloading?
- h) What are the Access Modifiers supported by the C# language?
- i) How to show message box in .Net windows application?
- j) What is the difference between CheckBox control and RadioButton Control?
- k) What is the full form of MDI?
- l) Define ADO.NET
- m) Which architecture does DataSets follow?
- n) Which adapter should you use, if you want to get the data from an Access database?

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

Q-2 Attempt all questions

- a) Explain CLR Components in .NET (5)



- b) Explain Metadata and JIT Compilation (5)
- c) Explain Garbage Collection in the .Net Architecture (4)
- Q-3 Attempt all questions**
- a) Explain the Data Types available in .NET (7)
- b) Explain Constructors and Destructors with example. (7)
- Q-4 Attempt all questions**
- a) What is Inheritance? List types of Inheritance available in C#.NET and explain Multi level Inheritance with example (7)
- b) Explain different types of Decision-Making statements available in C#.NET (7)
- Q-5 Attempt all questions**
- a) Explain ListBox Control with its Property and Methods (5)
- b) Explain CheckBox Control with its Property and Methods (5)
- c) List and explain different types of Keyboard events (4)
- Q-6 Attempt all questions**
- a) Explain Properties with suitable example. (5)
- b) Explain Indexers with suitable example. (5)
- c) Differentiate: MDI V/S SDI (4)
- Q-7 Attempt all questions**
- a) Explain OleDbCommand class in details (5)
- b) Differentiate: DataReader V/S DataSet (5)
- c) Explain the Button and Textbox Control with its Property and Methods with suitable example. (4)
- Q-8 Attempt all questions**
- a) Explain ADO.Net Architecture (7)
- b) Write an ADO.NET (C#) Program which Insert, Update and Delete records for Product table (p_id, p_name, price_per_unit, quantity). (7)

