

C. U. SHAH UNIVERSITY

Summer Examination-2022

Subject Name: Programming with Dot Net Technology

Subject Code: 4TE05PDN1

Branch: B.Tech (CE)

Semester: 5

Date: 25/04/2022

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.

Q-1 Attempt the following questions:

(14)

- a) What is IL?
- b) What is Metadata?
- c) What is the full form of CLR?
- d) What is C#?
- e) Explain the comments used in C#?
- f) What is Variable?
- g) What is Namespace?
- h) List types of Access Modifiers used in a C#.NET?
- i) What is Function Overloading?
- j) What is MDI?
- k) What is the difference between ListBox and ComboBox?
- l) Define: ADO .NET?
- m) Which adapter should you use, if you want to get the data from an Access database?
- n) What is the use of the Connection objects?

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

Q-2 Attempt all questions

(14)

- a) Write a Console Application to Convert Celsius to Fahrenheit and Fahrenheit to Celsius. (07)
- b) Write a Console Application to print following pattern (07)
1
1 3
1 3 5
1 3 5 7
1 3 5 7 9



- Q-3 Attempt all questions** (14)
- a) Explain the Data Types available in .NET (07)
 - b) Explain Garbage Collection and JIT Compilation (07)
- Q-4 Attempt all questions** (14)
- a) Explain any two Dialogue box controls with example (07)
 - b) List and explain types of Decision-Making statements available in C#.NET (07)
- Q-5 Attempt all questions** (14)
- a) What is Inheritance? List types of Inheritance available in C#.NET (07)
 - b) Explain Constructors with example. (07)
- Q-6 Attempt all questions** (14)
- a) Explain the difference between DataReader and DataSet (07)
 - b) Explain any three Windows form controls (07)
- Q-7 Attempt all questions** (14)
- a) Explain Properties with suitable example. (07)
 - b) Explain OleDbCommand class in details (07)
- Q-8 Attempt all questions** (14)
- a) Write an ADO.NET Program which Insert, Update and Delete records for Student table (S_id, S_name, Semester). (07)
 - b) Explain the difference between ADO and ADO.NET (07)

