

Enrollment No: _____ Exam Seat No: _____

C.U.SHAH UNIVERSITY

Winter Examination-2018

Subject Name : Programming with Dot Net Technology

Subject Code : 4TE05PDN1

Branch: B.Tech (CE)

Semester : 5

Date : 30/11/2018

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:**
- | | | |
|----|--|----|
| a) | What is difference between a CheckBox control and a RadioButton control? | 01 |
| b) | What is ADO.NET? | 01 |
| c) | What you understand by ExecuteNonQuery Method? | 01 |
| d) | Which property is used to make a Form to be MDI Form? | 01 |
| e) | You can force the garbage Collector to do clean up by calling the _____method. | 01 |
| f) | Which namespace needs to be imported for using Brush, Pen and Color? | 01 |
| g) | Predict the output of the following code segment:
int x = 42;
int y = 12;
int w;
object o;
o = x;
w = y * (int)o;
Console.WriteLine(w); | 01 |
| h) | What is the syntax to declare a namespace in .NET? | 01 |
| i) | What is an IL? | 01 |
| j) | Can we overload the assignment operator in C#? (True/False) | 01 |
| k) | What does IDE stand for? | 01 |
| l) | How can you enable a text box to change its characters format, so that users can enter password? | 01 |
| m) | What is the difference between “continue” and “break” statements in C#? | 01 |
| n) | What is managed code? | 01 |

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

- Q-2 Attempt all questions**
- | | | |
|-----|--|----|
| (a) | Draw neat and clean diagram of .NET framework. Explain its important components. | 03 |
| (b) | Explain practical importance of Window Application and Web Application. | 04 |



	(c) Explain the significance of Property and Indexers with example.	07
Q-3	Attempt all questions	
	(a) List out various windows form controls. Explain any three of it.	03
	(b) Write a C# program which creates windows form with one Button,Textbox.When button is clicked it should display “Hello World” message and display red bgcolor in the textbox.	04
	(c) Draw and explain ADO.NET architecture in detail.	07
Q-4	Attempt all questions	
	(a) What is End to DLL Hell?	03
	(b) Explain the significance of SQL Connection and SQL Command in database connectivity.	04
	(c) Write a C# program which creates windows form with one Button,Textbox. When button is clicked it should display Color Dialog Box. When a color is selected from the dialog box, it should be set as background color of the text box.	07
Q-5	Attempt all questions	
	(a) Explain CLR and CTS.	03
	(b) Write a C# program to generate divide by zero exception and also handle this exception.	04
	(c) What is Dialog? Explain following Dialogs with its usage. 1) FolderBrowserDialog 2) OpenFileDialog 3) ColorDialog 4) SaveDialog	07
Q-6	Attempt all questions	
	(a) Explain Garbage Collection in .NET.	03
	(b) Differentiate between Boxing and Unboxing.	04
	(c) Discuss .NET Assemblies and Assembly Contents in Detail..	07
Q-7	Attempt all questions	
	(a) Explain .NET compilation process using Diagrammatic Flow.	03
	(b) What is the difference between dispose and finalize methods in c#?	04
	(c) What is delegates in C# and uses of delegates with example?	07
Q-8	Attempt all questions	
	(a) Explain name spaces with suitable example.	03
	(b) Differentiate between data reader and dataset.	04
	(c) Write a ADO .NET(C#) program which shows records from student_master (name, email,city, phone) in DataGridView and GridView.	07

