

Enrollment No: _____

Exam Seat No: _____

C.U.SHAH UNIVERSITY

Winter Examination-2015

Subject Name: Visual Studio .NET

Subject Code: 4CS03IDO2

Branch: B. Sc. IT

Semester: 3

Date: 22/12/2015

Time: 02:30 To 05:30

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 .NET?
- b) What is the fullform of FCL?
- c) What is Variable?
- d) Define: Metadata
- e) Define: Namespace
- f) What is managed code?
- g) What is object?
- h) What is class?
- i) Define: IL?
- j) What is the size of int Datatype?
- k) What is the range of sbyte Datatype?
- l) Which methods is used for print statement on Console Application screen?
- m) What is CLR?
- n) How many types of comments used in C#?

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

Q-2 Attempt all questions

- a) Explain the components of .NET Architecture [05]
- b) Explain Data Types available in C# [05]
- c) Discuss Garbage Collection. [04]

Q-3 Attempt all questions

- a) List and explain Operators available in C# (Explain any five operator) [05]
- b) Explain foreach loop with example [05]
- c) Compare Boxing and Unboxing with example [04]



Q-4 Attempt all questions

- a) Write a short note on Jagged Array with example. [05]
- b) Explain the basic concept of OOPs [05]
- c) Explain break statement with example [04]

Q-5 Attempt all questions

- a) What is constructor? Explain Parameterized constructor with example [05]
- b) Differentiate Method Overriding versus Method Overloading [05]
- c) Compare static variables and static methods with example [04]

Q-6 Attempt all questions

- a) Explain interface with example [05]
- b) Explain Stack collection class with example [05]
- c) What is sealed class? Explain with example [04]

Q-7 Attempt all questions

- a) Explain RadioButton Control with example [05]
- b) Explain ListBox Control and its any four properties [05]
- c) Explain ScrollBar Control with its any three properties [04]

Q-8 Attempt all questions

- a) Explain Connection class. [05]
- b) Explain DataAdapter class. [05]
- c) Differentiate between DataReader and DataSet [04]

