

Enrollment No: \_\_\_\_\_ Exam Seat No: \_\_\_\_\_

# C.U.SHAH UNIVERSITY

## Summer Examination-2017

Subject Name : .Net Technology

Subject Code : 4CS02ID01

Branch: B. Sc. IT

Semester : 2

Date : 06/05/2017

Time : 02:00 To 05:00

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) What is the full form of CLR?
- b) What do you mean by automatic memory management?
- c) Define the term: Meta data
- d) What is the role of JIT in .Net?
- e) Define the term: Operator
- f) What is the full form of CTS?
- g) Define the term: Variable
- h) What is Object?
- i) Define the term: Array
- j) What is polymorphism?
- k) What do you mean by Sealed Class?
- l) What is Constructor?
- m) Define the term: Indexer
- n) What do you mean by Pointer?

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

- Q-2**                    **Attempt all questions**
- (a) List and Describe various features of .Net Platform                    **(5)**
  - (b) Explain Base Class Library of .Net                    **(5)**
  - (c) Discuss JIT                    **(4)**

- Q-3**                    **Attempt all questions**
- (a) Explain arithmetic operator                    **(5)**
  - (b) Explain if statement with suitable example                    **(5)**
  - (c) Discuss scope and visibility of variables                    **(4)**

- Q-4**                    **Attempt all questions**
- (a) Discuss one dimensional array with suitable example                    **(5)**



- (b) Explain while loop with suitable example (5)
- (c) Discuss break and continue statements (4)

**Q-5                    Attempt all questions**

- (a) What is Class? Discuss Class with syntax and example (5)
- (b) Explain operator overloading with suitable example (5)
- (c) Write a note on: Inheritance (4)

**Q-6                    Attempt all questions**

- (a) Explain property with Get and Set (5)
- (b) Discuss ArrayList collection in detail (5)
- (c) Write a note on: Crystal report (4)

**Q-7                    Attempt all questions**

- (a) Discuss TextBox control with properties and methods (5)
- (b) Discuss ListBox control with properties and methods (5)
- (c) Write a note on: Timer control (4)

**Q-8                    Attempt all questions**

- (a) Discuss Connection object with properties and methods (5)
- (b) Discuss Command object with properties and methods (5)
- (c) Discuss types of setup project (4)

