

C. U. SHAH UNIVERSITY

Summer Examination-2018

Subject Name: .NET Technology

Subject Code: 4CS02BDO1/4CS02IDO1

Branch: B.C.A. / B.Sc.I.T.

Semester: 2

Date: 27/04/2018

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.
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Q-1 Attempt the following questions:

(14)

- a) What is IL?
- b) Given the full form of IDE
- c) What is Unmanaged Code?
- d) What is C#?
- e) What is Variable?
- f) Write the syntax of do..while loop
- g) What is class?
- h) What is Debugging?
- i) What is interface?
- j) What is Pointer?
- k) What is Delegates?
- l) Given the full form of ADO
- m) Which architecture does DataReader follow?
- n) What is Crystal Report?

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

Q-2 Attempt all questions

(14)

- a) Explain CLR of the .Net Architecture (05)
- b) Explain JIT Compilation in brief (05)
- c) Explain Garbage Collection of the .Net Architecture (04)

Q-3 Attempt all questions

(14)

- a) Explain the Data Types available in C# (07)
- b) Explain Operators available in C# (07)

Q-4 Attempt all questions

(14)

- a) Explain Looping Statements available in C# (05)



- b) Explain Method Overloading with example (05)
- c) Explain the Constructor with example (04)

Q-5 Attempt all questions (14)

- a) List and explain the types of inheritance available in C# (05)
- b) Explain ListBox Controls its Property, Method and Events (05)
- c) Explain Stack Collection Class with example (04)

Q-6 Attempt all questions (14)

- a) Explain TreeView Controls its Property, Method and Events (05)
- b) Differentiate: MDI V/S SDI (05)
- c) Explain Timer Controls its Property, Method and Events (04)

Q-7 Attempt all questions (14)

- a) Differentiate: DataReader V/S DataSet (05)
- b) Explain DataAdapter in ADO.Net (05)
- c) List and Explain types of Crystal Report (04)

Q-8 Attempt all questions (14)

- a) Create a Windows Form Application to develop a Database Application (07)
with ADO.NET with Record Add, Update, Delete functionality for the
following Table.
Table name = Book
Field: (Bookcode, booktype, bookpublisher, bookauther, bookpage, bprice)
- b) Write a Program to develop a Database Application with ADO.NET with (07)
Record Navigation Facility Like First, Next, Previous and Last for Employee
table (eno, ename, salary, dateofjoining, designation).

