C.U.SHAH UNIVERSITY
Summer Examination-2017

Subject Name: .Net Technology

Subject Code: 4CS02BDO1   **Branch: B. C. A.**

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.

Q-1 Attempt the following questions: (14)
  a) What is CLR?
  b) What is Managed Code?
  c) What is CTS?
  d) What is Metadata?
  e) What is Variable?
  f) What is Constant?
  g) What is Reference Type?
  h) What is Pointer?
  i) What is Class?
  j) What is Namespace?
  k) Given the full form of ADO .NET
  l) Explain SizeMode property of PictureBox control
  m) SDI stands for_____
  n) What is Stack?

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

Q-2 Attempt all questions   (14)
  a) Explain features of the .NET platform   (07)
  b) List and explain data types available in C#   (07)

Q-3 Attempt all questions   (14)
  a) Explain CLR and Garbage Collection components in details   (07)
  b) List and explain different types of decision making statements   (07)

Q-4 Attempt all questions   (14)
  a) List and explain basic concept of OOPs   (05)

b) Explain static variable and static methods with example (05)

c) Explain Boxing and Unboxing with example (04)

Q-5 Attempt all questions (14)

a) List and explain types of inheritance available in C# (05)

b) Explain property with get and set accessor methods (05)

c) Differentiate between Method overloading and Method overriding (04)

Q-6 Attempt all questions (14)

a) Explain Timer controls with its properties, methods and events (05)

b) Explain CheckBox controls with its properties, methods and events (05)

c) Differentiate: MDI V/S SDI (04)

Q-7 Attempt all questions (14)

a) Explain Connection class in details (05)

b) Differentiate: DataReader and DataSet (05)

c) Explain DataReader class (04)

Q-8 Attempt all questions (14)

a) Explain DataTable class (05)

b) What is Crystal Report? List and explain types of Crystal Report (05)

c) What is Setup? List and explain types of Setup project (04)