MAX-003-003408    Seat No. _____

# B. C. A. (Sem. IV) (CBCS) Examination
## March / April - 2018
## CS-20 : Programming with C#
### *(Old Course)*

**Faculty Code : 003**
**Subject Code : 003408**

Time : $2\frac{1}{2}$ Hours]                    [Total Marks : **70**

**1**    Attempt the following questions :                    **20**

(1)    Full form of CLR

(2)    Full form of BCL

(3)    Full from of ADO

(4)    Full form of MSIL.

(5)    Define Jagged Array.

(6)    Full form of FCL.

(7)    IDE stands for _____

(8)    DataReader is a Disconnected Architecture Component.
(TRUE /FALSE)

(9)    Full form of LINQ.

(10)    Full form of rtf is _____

(11)    panel control is used as Container control.
(TRUE / FALSE)

(12)    The 2 section of crystal report includes _____.

(13)    & is known as logical Operator. (TRUE / FALSE)

(14)    _____ works as a bridge between dataset and database.

(15)    show() method of messagebox class is helpful for printing a message .(TRUE/FALSE).

(16)    _____ keyword is used to include Namespaces.

(17) Threw key word is used for throwing an exception. (TRUE / FALSE)

(18) _____ keyword used to restrict the Inheritance.

(19) A _____ is a reference type object that defines the signature and return type of method.

(20) _____ property of textbox is used for hiding the password data.

2   (a)   Attempt the following : (any **three**)          6

        (1)   What is Switch Case ?

        (2)   What is Boxing ? Give Example.

        (3)   Explain Managed Code.

        (4)   What is Data Adapter ?

        (5)   Explain Do.......while Loop.

        (6)   What is Framework ?

  (b)   Attempt the following : (any **three**)          9

        (1)   Difference between GroupBox and Panel.

        (2)   Explain Overloading Constructor. Give Example.

        (3)   Short Note on:- MenuStrip

        (4)   Difference Between For loop and For each Loop.

        (5)   Explain Hash Table collection with Example,

        (6)   Explain Interface with Example.

  (c)   Attempt the following : (any **two**)          10

        (1)   Explain the Component of .Net Architecture.

        (2)   Explain Editions of Visual Studio.

        (3)   Explain Different-types of Report in Detail.

        (4)   Difference Between ListBox and CombdBox.

        (5)   Explain SaveFile DialogBox and OpenFile DialogBox with Example.

**3** (a) Attempt the following : (Any **three**)    **6**

    (1) Explain DataGridview.

    (2) Explain Garbage Collection.

    (3) Explain Types of Scrollbar ?

    (4) What is Abstract Class.

    (5) What is Indexer ? Explain with Example.

    (6) Write five special Filed names of Crystal report.

  (b) Attempt the following : (any **three**)    **9**

    (1) Short note on. UserControl.

    (2) Explain Features and Advantages of Visual Studio.

    (3) What is Datareader ? Explain with Example.

    (4) Explain Get and Set Property.

    (5) Explain Timer Control with Example.

    (6) Difference between CheckBox and RadioButton.

  (c) Attempt the following : (any **two**)    **10**

    (1) Explain the Architecture of ADO. NET.

    (2) Write a program to Insert and Delete a record from STUDENT table (SID, SNAME, SADD).

    (3) Write a program to Display STUDENT (SID, SNAME, SADD) table Records, in DataGridView.

    (4) Explain Message Box Class with show() Method.

    (5) Explain Ref and Out parameters with Example.

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