# B. Sc. (I.T.) (Sem. V) (CIE) (CBCS) Examination

October / November – 2016

## CS-25 : Programming With C#.NET

**Faculty Code : 003**

**Subject Code : 004501**

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

**1   Answer the following questions :**                                      **20**

(1)   What is full form of MSIL?

(2)   What is Jagged Arrays?

(3)   Which method is used to call Message Box?

(4)   Which namespace is used in C#.NET for Non Generic Collections?

(5)   Which method is used to execute SQL Query?

(6)   How to print "Hello" in console?

(7)   Which namespace is required for OleDb Data Connection?

(8)   In _____ tool of Windows IDE, where we can manage the files of program?

(9)   _____ property of Form is used to convert SDI Form to MDI Form.

(10)  What is a Stack?

(11)  Give the definition of Overloading in C#.net.

(12)  Which key is used to execute the program step one by one in debug window?

(13)  What is a constructor in C#.net?

(14)  _____ method is used to call dialogue box in C#.net?

(15)  Is Multiple Inheritance Is possible in C#.Net ? (Yes / No)

(16)  Which method is used to hide and show Form in C#.net?

(17)  _____ Keyword is used to declare constant variable in C#.

(18) How to declare Comment in C#.net?

(19) Is Queue works like LIFO ? (Yes / No)

(20) What is full form of CLR?

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

    (1)  What is Control Array?

    (2)  List the different .NET framework version.

    (3)  Explain Timer Control.

    (4)  Explain Metadata in C#.net.

    (5)  Explain method and event in C#.net.

    (6)  Explain connection string in C#.net.

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

    (1)  Explain collections and subroutines in C#.net.

    (2)  Explain difference between Panel and Group Box.

    (3)  What is Non-generic Collection? Explain any one collection of it with example.

    (4)  Explain method overloading with example.

    (5)  What is the difference between Array and Array list?

    (6)  Explain Garbage Collection in C#.net.

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

    (1)  What is array? Explain Jagged Arrays with example.

    (2)  Explain features of .NET Platform.

    (3)  Explain OpenFileDilog with example.

    (4)  Explain Data Column and Data Row in C#.net with example.

    (5)  Write a program to display record from Student Table (Id, Name, City, Pincode) using SQL Data Reader.

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

    (1) What is a Namespace? Explain it.

    (2) Explain List box with its any two properties.

    (3) Explain any three property of Windows Form.

    (4) Explain TreeView in C#.net.

    (5) List any three methods of SqlCommand Class.

    (6) Explain difference between Data Reader and Dataset.

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

    (1) Explain difference between Managed Code and Unmanaged Code.

    (2) Explain CLR and CTS.

    (3) Explain JIT and its types.

    (4) Explain Stack class with its methods.

    (5) Explain inheritance with example in C#.net.

    (6) Explain difference between Dataset and Data Table.

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

    (1) Explain type of Project in C#.net.

    (2) Insert Record in Student Table (Id, Name, City, Pincode) and Display that Record in datagridview using C#.net.

    (3) Explain Connected and Disconnected Architecture of C#.net

    (4) Explain IDE of C#.net.

    (5) Explain Data view with example.

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