## P. G. D. C. A. (Sem. II) (CBCS) Examination

### October - 2017

### CS - 09 : Programming with C#

**Faculty Code : 003**
**Subject Code : 1022003**

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

**1**   (a)   Explain following :                                                    **4**

  (1)   List Visual Studio Edition.

  (2)   What is Variable ?

  (3)   What is Constant ?

  (4)   What is an Object ?

  (b)   Answer in brief : (any one)                                         **2**

  (1)   Data types in C#.NET.

  (2)   Namespace in C#.NET.

  (c)   Answer in detail : (any one)                                        **3**

  (1)   Arrays in C#.NET.

  (2)   Exception Handling.

  (d)   Write a note : (any one)                                             **5**

  (1)   Explain Visual Studio IDE

  (2)   Explain Looping statements.

**2**   (a)   Explain the following :                                               **4**

  (1)   What is inheritance ?

  (2)   What is interface ?

  (3)   What is Constructor ?

  (4)   What is Method ?

  (b)   Answer in brief : (any one)                                         **2**

  (1)   Method Overriding in C#.NET.

  (2)   Method Overloading in C#.NET.

(c)    Answer in detail : (any one)            **3**

       (1)    Interface with example.

       (2)    Inheritance with example.

(d)    Write a note : (any one)              **5**

       (1)    Pointers

       (2)    Delegates

**3**    (a)    Explain the following :              **4**

       (1)    What is BitArray ?

       (2)    What is Stack ?

       (3)    What is Queue ?

       (4)    What is HashTable ?

     (b)    Answer in brief : (any one)           **2**

       (1)    Thread Synchronization in C#.Net

       (2)    Collection in C#.NET.

     (c)    Answer in detail : (any one)          **3**

       (1)    Explain Thread Priorities.

       (2)    Explain Generic HashSet with example.

     (d)    Write a note : (any one)             **5**

       (1)    Differentiate Process *vs.* Thread

       (2)    ArrayList and SortedList with example.

**4**    (a)    Explain the following :              **4**

       (1)    Textbox

       (2)    Panel

       (3)    Label

       (4)    Notify Icon.

     (b)    Answer in brief : (any one)           **2**

       (1)    Radio Button Vs Check Box.

       (2)    MessageBox.

     (c)    Answer in detail : (any one)          **3**

       (1)    ListBox Vs ComboBox.

       (2)    FontDialogBox and ColorDialogBox.

     (d)    Write note : (any one)              **5**

       (1)    List View

       (2)    Tree View.

**5**   (a)   Explain the following :                                    **4**
      (1)   What is ADO Command Class ?
      (2)   What is ADO Data DataReader ?
      (3)   What is ADO Connection Class ?
      (4)   What is ADO DataAdapter ?

   (b)   Answer in brief : (any one)                                   **2**
      (1)   Explain Linq
      (2)   Explain DataTable

   (c)   Answer in detail : (any one)                                  **3**
      (1)   Dataset Vs DataReader
      (2)   DataView with example

   (d)   Write notes : (any one)                                      **5**
      (1)   Architecture of ADO.NET
      (2)   DatraGridView Control with example.

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