



**NBQ-003-1022003**      Seat No. \_\_\_\_\_

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

**April / May - 2017**

**CS-09 : Programming with C#**

**Faculty Code : 003**

**Subject Code : 1022003**

Time :  $2\frac{1}{2}$  Hours ]

[ Total Marks : 70

- 1 (a) Objective type questions : 4
- (1) What does IDE stand for?
  - (2) List out Visual studio edition.
  - (3) What is difference between break & continue?
  - (4) Give syntax of Struct.
- (b) Attempt any one out of two : 2
- (1) Describe Namespace.
  - (2) Explain switch case statement.
- (c) Attempt any one out of two : 3
- (1) Explain Visual Studio IDE.
  - (2) Explain Jagged Array with example.
- (d) Attempt any one out of two : 5
- (1) Explain Exception Handling mechanism in detail with example.
  - (2) Explain Data Types in c#.
- 2 (a) Objective type questions : 4
- (1) c# does not support \_\_\_\_\_ inheritances.
  - (2) What is method overloading?
  - (3) Give syntax of Indexer.
  - (4) The c# compiler only lets you assign a pointer to a managed variable in a \_\_\_\_\_ statement (keyword).

- (b) Attempt any **one** out of two : **2**
- (1) Explain Sealed class.
  - (2) Write down step for creating events.
- (c) Attempt any one out of two. **3**
- (1) How to create and implement interface with example.
  - (2) Explain pointer with unsafe concept with suitable example.
- (d) Attempt any one out of two : **5**
- (1) What is operator overloading? Explain Binary operator overloading with suitable example.
  - (2) Explain Multicast delegate with example.
- 3** (a) Objective type questions : **4**
- (1) Which namespace will be used to do multithreading programming in c#?
  - (2) The default Priority setting for a thread is \_\_\_\_\_.
  - (3) Which method is used to remove all elements from the ArrayList?
  - (4) Which class follows the concept of first-in- first-out?
- (b) Attempt any one out of two : **2**
- (1) Describe Namespace.
  - (2) Explain switch case statement.
- (c) Attempt any one out of two : **3**
- (1) Give Difference between Process & Thread.
  - (2) What is Generics? List out Generic class.
- (d) Attempt any one out of two : **5**
- (1) Explain Thread class with its properties & method.
  - (2) Difference between Array & ArrayList.

- 4 (a) Objective type questions : 4
- (1) Reflection provides the information about \_\_\_\_\_
  - (2) When the process occurs at runtime rather than at compile time, it is called \_\_\_\_\_.
  - (3) Which control supports font, link, color, image from file?
  - (4) \_\_\_\_\_ namespace for creating windows based applications that take full advantage of rich user interface.
- (b) Attempt any one out of two. 2
- (1) Give Difference between GroupBox & Panel.
  - (2) Explain TreeView control.
- (c) Attempt any one out of two. 3
- (1) Explain MessageBox class with show() in detail.
  - (2) Explain any 3 control with its three properties: RadioButton, ComboBox, ScrollBar, Timer, ProgressBar
- (d) Attempt any one out of two. 5
- (1) Explain DialogBox with suitable example.
  - (2) What is Reflection? Explain use of reflection with example.
- 5 (a) Objective type questions : 4
- (1) LINQ stands for \_\_\_\_\_.
  - (2) \_\_\_\_\_ is a component of Net which provides efficient access to relational databases & a variety of data sources.
  - (3) Which method of command class is used to retrieve a single value from database?
  - (4) What is DataRelation?

- (b) Attempt any one out of two : **2**
- (1) Explain methods of command class.
  - (2) Explain value of ConnectionString property of connection class.
- (c) Attempt any one out of two : **3**
- (1) Explain DataReader, DataAdapter in detail.
  - (2) Explain DataGridView control with example.
- (d) Attempt any one out of two. **5**
- (1) Explain Architecture of ADO.NET.
  - (2) Write a program to navigate (First, Next, Previous, Last) of Student(rollno, name, city) information.  
(Using OleDb)
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