



**MAK-003-003502**

Seat No. \_\_\_\_\_

**B. C. A. (Sem. V) (CBCS) Examination**

**October / November – 2016**

**CS - 26 : Programming with C#**  
*(Old Course)*

**Faculty Code : 003**

**Subject Code : 003502**

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

[Total Marks : 70

1 Write down answer for the following questions in one or two statement : **20**

- (1) Define IDE.
- (2) What is JIT?
- (3) What is Namespace?
- (4) What is an Array?
- (5) What is Boxing?
- (6) What is method overloading?
- (7) Write down syntax of get Accessor for properties.
- (8) What is abstract class?
- (9) Which inheritance is not supported by C#?
- (10) Which are the two types of polymorphism?
- (11) What is Thread?
- (12) What is the full form of ADO?
- (13) \_\_\_\_\_ control having a feature like text editing with formatting.
- (14) Give the name of key events for control.
- (15) \_\_\_\_\_ is a feature to examine the metadata of a program and gather information about its type.

- (16) Give the name of any four generic classes.
- (17) What is BitArray?
- (18) Which are the two types of thread defined by .NET framework?
- (19) Which data type is used to store a true or false value?
- (20) What are the three ways to pass a parameter in C# methods?

- 2**    (a)    Attempt any **three** : **6**
- (1)    List out different Thread priorities.
  - (2)    Class vs. Interface
  - (3)    Explain importance of reflection.
  - (4)    Explain LINQ.
  - (5)    What is Constructor? List types of constructor.
  - (6)    What is namespace?
- (b)    Attempt any **three** : **9**
- (1)    Explain exit controlled loop in C#.
  - (2)    Explain Exception in C#.
  - (3)    What is Class and Objects?
  - (4)    Explain Thread Synchronization
  - (5)    Explain HashTable.
  - (6)    What is method overloading? Give an example.
- (c)    Attempt any **two** : **10**
- (1)    Explain Visual Studio IDE.
  - (2)    Explain overload indexer with example.
  - (3)    Explain architecture of ADO.NET.
  - (4)    Explain delegates with example.
  - (5)    Explain Stack with example.

- 3**    (a)   Attempt any **three** : **6**
- (1)   What is event?
  - (2)   List benefits of ADO.NET.
  - (3)   Give the name of any four classes that are available in System.Data Namespace.
  - (4)   Explain RadioButton.
  - (5)   Explain PictureBox.
  - (6)   Explain ToolTip.
- (b)   Attempt any **three** : **9**
- (1)   Explain sealed class in C#.
  - (2)   Explain DataSet.
  - (3)   Explain Multilevel Inheritance.
  - (4)   Explain Pointer to Array.
  - (5)   Explain ArrayList in C#.
  - (6)   Explain ComboBox.
- (c)   Attempt any **two** : **10**
- (1)   What is Interface? Explain how to create and use it with example.
  - (2)   Explain ListView control in detail.
  - (3)   Write C# application to insert a record into Book table (bid, title, author, price).
  - (4)   Write a C# console application to check given number is even or odd.
  - (5)   Write C# application to search a record from Employee table (eid, name, city, age) by city and display found record in GridView.
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