



HA-003-003502

Seat No. _____

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

May / June – 2017

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

Faculty Code : 003

Subject Code : 003502

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

[Total Marks : 70

1 Attempt the following : 20

- (1) CLR stands for _____.
- (2) Give Syntax of struct.
- (3) C# does not support _____ inheritance.
- (4) What is basic difference between Dataset and Datatable.
- (5) Which method of command class is used to retrieve a single value from database?
- (6) Which operator returns the type of a class in c#?
- (7) Which namespace will be used to do multithreading programming in c#?
- (8) LINQ stands for _____.
- (9) What is Method overloading?
- (10) _____ namespace for creating windows based application that take full advantage of rich user interface.
- (11) Which control is used to display nodes in hierarchical format?
- (12) Which class follows concept of first-in-first-out?
- (13) Which method is used to remove all elements from the ArrayList?
- (14) CTS type of float data type is _____.
- (15) Events are declared by using _____.

- (16) Which keyword is used to define indexer?
- (17) Reflection provides the information about _____.
- (18) _____ is a component of Net which provides efficient access to relational database and a variety of data source.
- (19) _____ special character is used to use interface in class.
- (20) _____ is a process of converting the object type to the value type.

2 (a) Answer any three : 6

- (1) List out visual studio IDE.
- (2) Define JIT. List its types.
- (3) Define Namespace.
- (4) Explain for each loop.
- (5) Explain unsafe keyword.
- (6) What is thread class?

(b) Answer any **three** : 9

- (1) What is Array? Explain Jagged Array with example.
- (2) Explain various Data types in C#.
- (3) Explain Thread Priorities.
- (4) Explain Pointer to structure.
- (5) Give Difference between Process and Thread.
- (6) How to create events with suitable example.

(c) Answer any three: 10

- (1) Explain Exception Handling Mechanism in detail.
- (2) Explain Multicast Delegate with example.
- (3) Explain interface with suitable example.
- (4) Explain Generic Stack with its properties and methods.
- (5) Explain sealed class with example.

3 (a) Answer any **three** : 6

- (1) What is Reflection?
- (2) What is Connection?
- (3) What is MDI form? Explain.
- (4) Define DataRelation.
- (5) Differentiate: DataTable and DataSet.
- (6) Differentiate: TextBox and RichTextBox.

(b) Answer any **three** : 9

- (1) Explain Timer control.
- (2) Explain RadioButton Control.
- (3) Explain DataAdapter.
- (4) Explain Command objects with its method.
- (5) Explain Data Provider in ADO.NET
- (6) What is MessageBox()? Explain with suitable example.

(c) Answer any **three** : 10

- (1) Explain Architecture of ADO.NET.
- (2) Explain different types of DialogBox with suitable examples.

- (3) Explain DataGridView Control with suitable example.
 - (4) Write a program to insert a record in Student(RollNo,Name,City) Table.
 - (5) Write a program to select records from database using DataReader and also Display it in DataGridView.
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