



**HCL-003-004501**      Seat No. \_\_\_\_\_

**B. Sc. (IT) (Sem. V) (CBCS) Examination**

**October - 2017**

**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) Can an Abstract class be declared as sealed?  
(True/False)
- (2) Sealed classes cannot be a base class. (True/False)
- (3) Dot Net has \_\_\_\_\_ access specifies.
- (4) \_\_\_\_\_ keyword prevent a class from being inherited.
- (5) \_\_\_\_\_ key is used to run in visual studio 2008.
- (6) \_\_\_\_\_ key is used to execute a step one by one in debug window.
- (7) \_\_\_\_\_ collection has key / value pairs.
- (8) What is full form of SDI?
- (9) What is full form of BCL?
- (10) What does IDE stand for?
- (11) \_\_\_\_\_ method is used to call MessageBox.
- (12) How many constructors does a class have?
- (13) What is methods?

- (14) How to print "Hello" in console?
- (15) What is a base class?
- (16) How we can declare Array in C#.net?
- (17) What is constructor?
- (18) What is const variable?
- (19) How to declare Comment in C#.net?
- (20) What is static variable?

**2** (A) Answer the following : (Any 3) **6**

- (1) Explain Managed Code and Unmanaged Code
- (2) Explain Data types in C#.
- (3) Explain Garbage Collection
- (4) Explain Method Overloading with example.
- (5) Explain IL.
- (6) Explain Variable.

(B) Answer the following : (Any 3) **9**

- (1) Explain Visual studio IDE.
- (2) What is Jagged Array and how to declare it?
- (3) Give the difference : Ado *vs.* Ado.Net
- (4) Explain inheritance with suitable example.
- (5) Explain Access Specifies.
- (6) Describe MouseEvent in Windows Form Application.

(C) Answer the following : (Any 2) 10

- (1) What is ADO.NET ? Explain architecture of Ado.Net in detail.
- (2) Explain Type of Project in C#.net.
- (3) What is class? Explain in detail with example.
- (4) Explain architecture of .net platform,
- (5) Give the difference between DataReader and DataSet.

3 (A) Answer the following : (Any 3) 6

- (1) Explain following controls: TextBox, Button,label.
- (2) Explain following controls: GroupBox, CheckedListBox.
- (3) Explain connection Class in detail.
- (4) Explain command Class in detail.
- (5) Explain ToolTip, Timer controls.
- (6) Explain Properties.

(B) Answer the following : (Any 3) 9

- (1) Explain any two Dialog Boxes.
- (2) Explain ListView Control.
- (3) Explain Events in detail.
- (4) Explain Namespace with example.
- (5) Explain Loop statements.
- (6) Explain JIT in detail.

(C) Answer the following : (Any 2)

10

- (1) Explain DataAdapter class in detail.
- (2) What is collection? Explain any one collection type in detail.
- (3) Write a program that reverses the words in given sentence.

Example : "C# is not C++, not PHP and not Delphi!"

Out Put "Delphi not and PHP, not C++ not is C#!".

- (4) Write a code for insert a record in data base  
Note : Table name: student (SID,SName,tot\_marks)
- (5) Explain DataGrid.

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