

Sixth Semester B.C.A Degree Examination
October / November 2019
New Syllabus - 2016-17 Batch)
(BCF 420) : DOT NET WITH C#

Time : 3 Hours

Max. Marks : 80

I. Answer the following questions:

5x1=5

1. Expand CLR.
2. What is an abstract class ?
3. What is an exception ?
4. Define tooltip.
5. Mention the two faces of ADO.NET.

II. Answer any FIVE full questions:

5x15=75

6.
 - a) Explain building blocks of the .NET platform.
 - b) Explain role of .NET base class library.
 - c) Explain the role of common intermediate language. **(5+5+5)**
7.
 - a) Describe the use of C# command line compiler with an example.
 - b) Briefly explain C# pre processor directives.
 - c) Explain .Net type metadata and assembly manifests. **(5+5+5)**
8.
 - a) Write a note on class properties.
 - b) Explain the virtual and override keywords.
 - c) Explain anatomy of basic C# class. **(5+5+5)**
9.
 - a) Briefly explain the role of application roots in garbage collection.
 - b) With a simple example, explain how exceptions can be thrown and caught in C#.
 - c) Write a note on delegation. **(5+5+5)**

10. a) What is an interface ? Explain different ways of implementing an interface in C#.
- b) Write a C# program to demonstrate array of interfaces.
- c) Explain the system. Collections namespaces in C#. **(5+5+5)**
11. a) Explain anatomy of a Form.
- b) List the functionalities of control class.
- c) Explain List Box and Radio Button Controls. **(4+5+6)**
12. a) Explain ADO.NET Data providers.
- b) Explain connected layer of ADO.NET.
- c) Write C# program to insert a record into a table. **(5+5+5)**

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