

Sixth Semester B.C.A. Degree Examination
April / May 2019
(2016 Batch - New Syllabus)
(BCF 420) DOT NET WITH C#

Time : 3 Hours

Max. Marks : 80

I. Answer ALL the questions:

(1x5=5)

1. What is Module?
2. What is meant by Boxing?
3. What is the golden rule of .NET Memory Management.
4. What is the purpose of Assigning toolfips for controls?
5. Mention any two microsoft supplied Data Providers.

II. Answer any FIVE:

(5x15=75)

6. a) With a neat diagram explain the role of base class library. **05**
b) Briefly explain .NET type metadata and single file assembly. **05**
c) Explain the role of Common Intermediate Language. **05**
7. a) Mention any five Namespaces along with their meaning in .NET of framework. **05**
b) With an example program explain any two output centric options available while building C# applications using csc.exe. **05**
c) Briefly explain command line debugger. **05**
8. a) Briefly explain the process of object creation using constructors with example. **05**
b) Explain basic input and output methods in console class in brief. **05**
c) Briefly explain how the concept of polymorphism is achieved using virtual and override keywords with suitable examples. **05**
9. a) Explain the concept of classes, objects and references with suitable example. **05**
b) Explain with concept of Object Generations with respect of Garbage Collection. **05**
c) Explain the Role of Application Roots in .NET. **05**
10. a) With suitable example explain throwing a Generic Exception. **05**
b) Explain briefly defining and implementing interfaces in C# with example. **05**
c) Explain interface as return values in C# with example. **05**
11. a) Explain with an example a simple form application. **05**
b) Describe any five properties of control class. **05**
c) What is a Check Box ? Explain with its properties. **05**
12. a) Explain briefly the two faces of ADO.NET. **05**
b) Explain briefly the members of DB Connection Type in Connection Objects. **05**
c) Explain with example updating of records using ADO.NET. **05**