



32525/E 250

Reg. No.

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V Semester B.C.A.3 Degree Examination, Nov./Dec. 2016
.NET FRAMEWORK USING C#
(Fresh New Syllabus)

Time : 3 Hours

Max. Marks : 80

Instruction: All Sections are compulsory.

PART – A

1. Answer **any ten** of the following. **(10×2=20)**
- a) Define the terms class and object.
 - b) List any two members of system. Console class.
 - c) What is a sealed class ?
 - d) What do you mean by garbage collection ?
 - e) Define exception. Give example.
 - f) What is the purpose of finally block ?
 - g) Compare an abstract class with an interface.
 - h) What is a C# event ?
 - i) What is significance of BinaryWriter and BinaryReader class.
 - j) What is a .NET assembly ?
 - k) List various relational operators in C#.
 - l) Mention any four datatypes in C#.

PART – B

- Answer **any four** of the following. **(5×4=20)**
- 2. Discuss the key members of system Environment Class.
 - 3. Differentiate between value types and reference types.
 - 4. Write a C# program to demonstrate method overloading.

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5. Explain how interfaces are defined and implemented.
6. Write a C# program to demonstrate exception handling using try catch block.
7. Explain the following :
 - i) Single File Assembly
 - ii) Directory Info

PART – C

Answer **any four** of the following.

(4×10=40)

8. What is .NET framework ? Explain the building blocks of .NET framework.
 9. Discuss the Pillars of Object Oriented Programming.
 10. a) What is inner exception ? Give example.
b) Differentiate between system level and application level exception. **(5+5)**
 11. a) Describe the syntax of delegate declaration and instantiation. **5**
b) Write a C# program to find mean standard deviation and variance of a list of numbers. **5**
 12. a) Explain StreamReader and StreamWriter classes. **5**
b) Write a C# program to find the sum of all the elements present in a jagged array of three inner layers. **5**
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