



22525/E 250

Reg. No.

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**V Semester B.C.A. 2 Examination, October/November 2013**  
**.NET Frame Work using C#**

Time : 3 Hours

Max. Marks : 80

- Instructions :** 1) **All questions are compulsory.**  
2) **Draw neat diagrams wherever necessary.**

SECTION – A

Answer **any 10** questions of the following : **(2×10=20)**

1. Expand CLR and CTS.
2. Write a C# program that receives command-line arguments and display them.
3. Differentiate between read-only variables and constant fields.
4. What are verbatim strings ? Give an example.
5. What are partial types ? Write the syntax to declare a partial type in C#.
6. Define containment and delegation.
7. What are bugs and user errors ?
8. How do you write a generic catch block ?
9. Define an interface. Write its syntax.
10. What are anonymous methods ?
11. Write any two key members of system.IO name space.
12. Differentiate between directory and Directory Infoclasses.

SECTION – B

Answer **any 6** questions of the following : **(5×6=30)**

1. Explain various core features of .Net Framework.
2. Write a short note on C# nullable types.

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3. Define a property. With examples explain different types of properties in C#.
4. Write a program to demonstrate exception handling.
5. Write a short note on system-level and application-level exceptions.
6. What is a delegate ? Write a program to demonstrate the use of delegates.
7. Write a short note on building I comparable objects.
8. With an example explain the FileInfo. Open ( ) method and its parameters.

### SECTION – C

Answer **any three** questions of the following :

**(10×3=30)**

1. Explain the out and ref. method parameter modifiers. Write a program to demonstrate the use of out and ref. variables.
  2. Explain, various pillars of OOP.
  3. Explain the following members of exception class :
    - a) Stack Trace Property
    - b) Target Site Property
    - c) Help Link Property.
  4. Write short notes on :
    - i) Iterator methods
    - ii) Events. **(5+5)**
  5. a) What is an assembly ? Explain different types of assemblies.  
b) What are the benefits of using assemblies ? **(5+5)**
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