

Paper ID & Roll No. to be filled in your Answer Book

Roll No.

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**BCA (Sixth Semester)**  
**Even Semester Examination, 2015**  
**.NET FRAMEWORK**

*Time: 3.00 Hours]*

*[Max. Marks: 70*

**Note:** Attempt any Two of the following: (2×5=10)

1. (a) List the characteristics of .NET paradigm, How it differs from OOPs.  
(b) What is language specific class library?  
(c) What are sealed classes?

**Note:** Attempt any Four of the following: (4×5=20)

2. (a) Describe the console applications of .NET framework.  
(b) Explain the features of CLR.  
(c) List the utility of Microsoft intermediate language to .NET framework.  
(d) Highlight the usage of cross language interoperability.  
(e) Explain with example enumerations and arrays in C#

**Note:** Attempt any Two of the following: (2×10=20)

3. (a) What is garbage collection? Explain the role of error handler.

(1)

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(235)

(b) Describe the .NET class framework with suitable examples.

(c) Write a program to find area of various shapes like rectangle, circle and triangle using the concept of interfaces.

**Note:** Attempt any Four of the following: (4×5=20)

4. (a) What is overloading? Explain with the help of .NET applications.

(b) Explain inheritance based polymorphism with example.

(c) Describe the following:

(i) DLL

(ii) Namespaces

(d) What is interface? Write a .NET program to create the login interface for the users.

(e) Write notes on the following :

(i) Assemblies.

(ii) .NET coding design guidelines.

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