

how interfaces provide a
How interfaces are
implemented in C# ?

9. (i) Explain the following
and Exception Hierarc
(ii) What do you mea
management ? How it

on to this problem. ?
ed, extended and

pts : Finally Statement
automatic memory
formed in C# ?

Roll No.

97694

**BCA 6th Semester (New)
Examination – November, 2017**

INTRODUCTION TO NET

Paper : BCA-309

Time : Three Hours]

[Maximum Marks : 80

*Before answering the questions, candidates should ensure that they have
been supplied the correct and complete question paper. No complaint in
this regard, will be entertained after examination.*

Note : Attempt *five* questions in all, selecting *one*
question from each Unit. Question No. 1 is
compulsory. All questions carry equal marks.

1. (i) Define the .NET strategy and platform.
- (ii) Differentiate between COM and OLE technology.
- (iii) What are .NET building block services and how
these provide strength to the .NET framework ?
- (iv) Discuss whether C# is interoperable or not.
- (v) Explain how bit operators are implemented in C#
with appropriate example.

<https://www.ndupapers.com>

- (vi) What do you mean by sealed class?
- (vii) Explain how classes are created in C#?
- (viii) How subclass constructors are created in C#?

UNIT - II

2. (i) Discuss how .NET Web development environment has changed the environment completely. Support your answer by stating its different characteristics.
 - (ii) Explain why CLR is called as heart and soul of .NET architecture?
3. (i) Define namespace and explain how a user can create its own namespace with an example.
 - (ii) What is Microsoft Intermediate Language? What is its important role in .NET environment?

UNIT - III

4. (i) What are assemblies and explain the working and role of assemblies.
- (ii) Differentiate between Value and Reference data types with examples. What do you mean by NAN data type?

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 ors are created in C# ?

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Language Runtime is
 f .NET architecture ?

ain how a user can create
 example.

ediate Language ? What
 .NET environment ?

Explain the working and
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alue and Reference data
 at do you mean by NAN

5. (i) Elaborate how implicit conversion is different from explicit conversion. Perform anyone type of explicit conversion.
- (ii) Explain how boxing and unboxing makes C# a stronger language.

UNIT - III

6. (i) State different default values of the following types of variables :
 - (a) Char type
 - (b) Bool type
 - (c) Decimal type
 - (d) Class type
 - (ii) How does for each statement differ from the for statement? Mention one such scenario where it is advantageous to use for each statement.
7. (i) Explain how Arrays are different from Array List. List any *five* functions for each with syntax.
 - (ii) What do you mean by Overloaded constructors? How these are declared and implemented?

UNIT - IV

8. What do you understand by Multiple Inheritance? Explain Why it is not possible to use multiple inheritance in C#. Support your answer. Also discuss