

Roll No.....

Printed Pages: 2

1877

**BCA/M-15**  
**INTRODUCTION TO .NET**  
**Paper-BCA-366**

**Time allowed: 3 hours]**

**[Maximum marks: 80**

Note: Attempt five questions in all. Select one question from each unit. Q.No.1 is Compulsory.

**Compulsory Question**

1. (a) What are the advantages of Metadata?  
(b) What are the functions of CLR?  
(c) Define cast operator. What functions does it perform?  
(d) What are unconditional control transfer statements in C#?  
(e) How do you declare a constructor?  
(f) Explain exception with example.  
(g) What is Abstract class? Explain with Example.  
(h) Define Interface. Explain with example.

**UNIT-I**

2. (a) Define Manifest in .NET. What are the functions of Assembly Manifest?  
(b) Explain various features of .NET.
3. (a) Write a short note on Metadata.  
(b) Differentiate between Primitive data types and Object data types.

**UNIT-II**

4. (a) Explain the Characteristics of C#.  
(b) Distinguish between Read()/Readline() method and Write()/Writeline() method.
5. (a) Differentiate between Keywords and Identifier.

(b) Explain the Different types of literals in C#

### **UNIT-III**

6. (a) Define Operator Precedence. What are the relative precedence of arithmetic operators?

(b) Explain how Classes are declared in C# program.

7. (a) Write a Program to overload Unary Operator ++.

(b) Explain the Characteristics of a Destructor.

### **UNIT-IV**

8. (a) Explain the Advantages of Inheritance.

(b) What are the Characteristics of Abstract methods?

9. (a) Explain Overriding methods and Abstractions.

(b) Explain the advantages of using exception handling techniques in a program.