

INTRODUCTION TO .NET

Time : Three Hours

Maximum Marks : 80

Note : Total **five** questions are to be attempted. Select **one** question from each section. Question No. 1 is compulsory.

Compulsory Question

1. Attempt all the following :
- (a) Discuss the use of CLS in framework.
 - (b) Define Attributes.
 - (c) Write logical operators in C#.
 - (d) What is Overriding ?
 - (e) Discuss Relational operator precedence.
 - (f) What is Type distinction ?

3×6=18

SECTION-I

2. (a) In terms of .NET platform, explain CLR, CTS and CLS. 18
- (b) Discuss objects in .NET.
3. (a) Write features of .NET. 18
- (b) Discuss Architecture of .NET.

SECTION-II

4. (a) Write characteristics of C#. 18
- (b) Discuss Boxing and Unboxing.
5. (a) Explain support of datatypes in C#. 18
- (b) Discuss scope of variables and constants.

SECTION-III

6. (a) Explain Relational and Special operators in C#. 18
- (b) Write a program to discuss Operator overloading.
7. (a) Explain all loop constructs in C#. 18
- (b) Write a program to find factorial of a number.

SECTION-IV

8. (a) Explain Visibility control and Overriding. 18
- (b) Discuss Abstract class and Sealed class.
9. Write notes on the following :
- (a) Exception Handling. 18
- (b) Multiple Inheritance.