

Roll No.

Total Pages : 03

OBCA/M-20
INTRODUCTION TO .NET
BCA-366

1922

Time : Three Hours]

[Maximum Marks : 80

Note Attempt Five questions in all. Select one question from each Unit. Q. No. 1 is compulsory. All questions carry equal marks.

Compulsory Question

1. (a) What is the purpose of CTS in .Net Framework ?
- (b) What is the purpose of Attribute ?
- (c) What are the various Literals in C# ?
- (d) What are conditional control transfer statements in C# ?
- (e) What is Default Constructor ?
- (f) What is syntax of IF statement ?
- (g) What is Operator Overloading ?
- (h) What is Unary Operator ? **2×8**

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Unit I

- 2.** (a) Define .Net platform. Explain various features of .Net Framework. **8**
(b) Explain System Namespace. **8**
- 3.** (a) Explain Class Libraries in .Net Framework.
(b) Describe the evolution of Web Development.

Unit II

- 4.** (a) Explain various Data Types in C#. **8**
(b) Define console input method. Explain console input methods by using example. **8**
- 5.** (a) Explain Symbolic Constant with example. What are advantages of symbolic constant ? **8**
(b) Explain the concepts of Scope of Variables in C#.

Unit III

- 6.** (a) Why control structures are required in a program ? Explain with example. **8**
(b) Write a program to find the root of quadratic equation. **8**

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7. (a) Distinguish between Public and Private Modifier. **8**
(b) Explain parameterized constructors with example. **8**

Unit IV

8. (a) Define Inheritance. Explain the characteristics of inheritance. **8**
(b) Explain Abstract Classes by using example. **8**
9. (a) What is Exception Handling ? Explain various ways of handling exceptions. **8**
(b) Explain various types of Polymorphism. **8**