

Roll No. ....

97694

BCA 6th Semester  
Examination – July, 2021

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.

1. Write short notes on the following : 2 x 8 = 16

- (a) CLS.
- (b) Metadata
- (c) Symbolic Constants
- (d) Boxing and Unboxing
- (e) Reference Types
- (f) Bit Wise Operators

97694-4350-(P-3)(Q-9)(21)

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- (g) Destructors
- (h) Stream Class

UNIT – I

- 2. (a) Define the Frame work of .Net. 8
- (b) Describe the different features of .Net. 8
- 3. (a) Explain the Architecture of .Net platform with diagram. 8
- (b) Define Type and Objects in .Net. 8

UNIT – II

- 4. (a) Differentiate between private and shared Assembly and Static and Dynamic Assembly. 8
- (b) Define the Class Libraries in .Net. 8
- 5. (a) Write down the different characteristics of C#. 8
- (b) Explain different types of Literals in C#. 8
- (c) Distinguish between write () and write line methods in C#. 16

UNIT – III

- 6. (a) What do you mean by Operators ? Explain all operators used in C#. 8
- (b) Explain types of Repetitive structures of C# with Syntax and example. 8

97694-4350-(P-3)(Q-9)(21) (2)

7. (a) What do you mean by Function Overloading ?  
Define Function overloading with suitable  
program. 8
- (b) What do you mean by constructor ? Define its  
characteristics and types of constructor. 8

#### UNIT - IV

8. (a) What do you mean by interface ? How is interface  
used in Inheritance. Show with suitable  
example. 8
- (b) Explain the Exception Handling Mechanism used  
in C# with example. 8
9. (a) What do you mean by Polymorphism ? Define its  
type with example.
- (b) Describe class and interface.
- (c) Explain Abstract and Sealed class. 16