

Paper Code : 21329

F-429

**B. C. A. (Sixth Semester)
EXAMINATION, 2019**

(New Course)

Paper No. BCA—N—604

INTRODUCTION TO .NET

Time : Three Hours] [Maximum Marks : 70

Note : Attempt any *five* questions. All questions carry equal marks. Symbols used have their usual meanings.

1. (a) Explain the following terms : 7
(i) MSIL
(ii) CLR
(b) Write a C # program to print a given string in the reverse order. 7
2. Describe the major components of .NET visual studio. 14
3. (a) What do you mean by unified classes ? 7
(b) Explain the working of "for each loop" with suitable example. 7

(B-9) P. T. O.

4. (a) Discuss the following terms in ADO .NET.
(i) .NET data provider classes $3\frac{1}{2}$
(ii) Data set classes $3\frac{1}{2}$
(b) Describe the advantages of ADO .NET 7
5. (a) Explain the term 'Polymorphism' in brief. 7
(b) Discuss abstract class and sealed class with suitable examples. 7
6. (a) Discuss the basis features of GUI programming. 7
(b) How can we handle exceptions in C # ? 7
7. (a) Write a program to illustrate reading and writing operation on a text file. 7
(b) Differentiate between Indexers and Delegates. 7
8. Write short notes on any *two* of the following : 14 each
(a) ASP .NET
(b) FCL
(c) Recursion
(d) Arrays

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