

Paper Code : 21329

F-429

B. C. A. (Sixth Semester)

EXAMINATION, 2018

(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 meaning.

1. (a) Explain the terms :

(i) Common Language Runtime (CLR)

(ii) FCL

with suitable block diagram.

(b) Write a C# program to illustrate the basic data types used in C# language.

2. (a) Explain C# language's features with the help of its program structure describing its syntax.

(b) Describe the operators used in C# with suitable code block.

3. (a) Illustrate various conditional statements using a program in C#.

(b) Define the terms with source code :

(i) Recursion

(ii) Overloading

4. (a) What do you mean by the term "Inheritance" ? What is its main advantage ?

(b) How to implement the concept of polymorphism ?

5. (a) Write down the procedure of building a GUI application with suitable example.

(b) How is event handling performed ?

6. (a) What is the difference between server, transfer and response redirect.

(b) What are the different types of caching ?

7. (a) Explain the terms :

(i) Multithreading concept

(ii) Containers

(b) Describe the creation of various dialog boxes and menus in GUI programming.

8. Write short notes on any four of the following :

(i) Constructor

(ii) Destructor

(iii) ADO .NET

(iv) ASP .NET

(v) Keywords in C#

(vi) File handling