

Paper Code : 21329

F-429

B.C.A. (Sixth Semester)

Examination, 2022

(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) Describe the .NET framework in detail with its all components.
(b) How .NET framework is useful in development of Internet applications?
2. (a) What is "CLR"? Describe with suitable example.

(1)

P.T.O.

- (b) Elaborate the framework class library (FCL).

3. (a) Write a complete application used to compute largest of three integers and then display the result.
(b) Explain the role of ADO.NET in detail.
4. (a) What is the concept of Recursion? Write the recursive definition of factorial function.
(b) Explain the data types in C# language.
5. (a) How inheritance concept is implemented in C#? Explain with its code.
(b) Describe the procedure of building GUI application using forms.
6. (a) What is exception handling? Describe various types of exceptions with suitable code to handle each.

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(2)

- (b) Explain the concept of GUI-programming.
Summarize all the components involved in developing any GUI-application.
7. (a) What are “Containers”? Explain in detail.
(b) How “multithreading” concept is useful?
Write a small code for creation of a file.
reading into that file and closing that file.
8. Write in brief about any **four** of the following :
- (a) ASP.NET
 - (b) C-Sharp
 - (c) Polymorphism
 - (d) Scoping Rules
 - (e) Database Management Systems

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