47782/C0220

Reg. No. ☐☐☐☐☐☐☐☐

III Semester B.C.A. 6 (NEP) Degree Examination, March/April - 2024
C# and . NET FRAME WORK
(Regular/Repeater)

Time : 2 Hours   Maximum Marks : 60

Instructions to Candidates :

1) All sections are compulsory.

2) Write program neatly if necessary. Write output.

3) Write question number correctly.

SECTION - A

I.   Answer any TEN from the following. Each question carries 2 marks.   (10×2=20)

1.   Define Common Language Runtime (CLR)

2.   Differentiate between C# and C++.

3.   State the static members of the class?

4.   What is a constructor?

5.   Define interface.

6.   Define inheritance.

7.   What is an exception?

8.   State the types of system. GC type.

9.   What are generic classes?

10.   State the properties of window forms.

11.   Define Events.

12.   List the Access Modifiers.

[P.T.O.

SECTION - B

II. Answer any FOUR from the following. Each question carries 5 marks.   (4×5=20)

13. Explain the C# Features?

14. Write a program to demonstrate operator over loading to add two complex number.

15. Explain the .NET Delegates with suitable examples.

16. Explain the process of Exception handling.

17. Differentiate between SDI and MDI Applications.

SECTION - C

III. Answer any TWO from the following. Each question carries 10 marks.   (2×10=20)

18. a) Write a C# program to show the machine details like machine name, operating system version, and physical memory and Calculate the time Since the Last Boot up.

    (Hint: Use System. Environment Class).

    b) Explain the conditional control statements.

19. a) Explain the types of inheritance.

    b) Explain the .Net Assemblies.

20. a) Write a program in C# Sharp to create Menu and menu items.

    b) Discuss in-brief the pillars of oops?

—————————————