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Reg. No.

VISA 2380105

**III Semester B.C.A. 6 (NEP) Degree Examination, December/January- 2024-25**  
**C# and .NET FRAMEWORK**  
**(Regular/Repeater)**

**Time : 2 Hours****Maximum Marks : 60****Instructions to Candidates :**

- 1) All the sections are compulsory.
- 2) Write question Numbers correctly.
- 3) Draw the diagram wherever necessary.

**Section - A**Answer any **Ten** questions from the following.**(10×2=20)**

1. Expand MSIL and JIT.
2. State the difference between C# and Java.
3. List the relational operators.
4. Define Destructors.
5. What is namespace in C#?
6. What are sealed classes?
7. Define Interface.
8. What is method overriding?
9. List the methods of system. GC.
10. What is private assembly?
11. Define Dictionary in C#
12. What is menustrip in C#?

**Section - B**Answer any **Four** questions from the following.**(4×5=20)**

13. Explain any five features of C#.
14. Explain method overloading with an example.

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15. Explain .NET delegates with example.
16. What is Exception Handling? Write a program to demonstrate exception handling.
17. Explain Modal and Modeless dialog box.

**Section - C**

Answer any **Two** questions from the following.

**(2×10=20)**

18. Explain .NET architecture with neat diagram.
  19. a) Write C# program to count total number of alphabets, digits and special symbols in a string.  
b) Explain Boxing and Unboxing with example.
  20. Explain SDI and MDI with an example.
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