Reg. No. : ....

Name : ....

V Semester B.C.A. Degree (CBCSS – OBE – Regular/Supplementary/ Improvement) Examination, November 2022
(2019 Admission Onwards)
Core Course
5B16BCA-E03 : C# AND .NET PROGRAMMING

Time : 3 Hours

Max. Marks : 40

PART – A

(Short Answer)

Answer **all** questions.

(6×1=6)

1. Explain the use of insert() method in C#.
2. Explain why C# is said to be type safe.
3. What is MSIL ?
4. Give any two applications of C#.
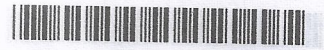5. Explain enumeration.
6. What is meant by web service ?

PART – B

(Short Essay)

Answer **any 6** questions.

(6×2=12)

7. Explain Web Form event.
8. Explain the structure of C# program.
9. How a structure in C# is declared ?
10. What is error ? Explain different types of errors.
11. Explain Web Form life cycle.
12. Explain command line argument in C# with example.
13. What is meant by boxing and unboxing ?
14. Briefly explain polymorphism.

P.T.O.

PART – C

(Essay)

Answer **any 4** questions. (4×3=12)

15. What is inheritance ? Explain different types of inheritance in C#.

16. What is a method ? Explain different types of passing parameters to methods.

17. Explain common language Runtime.

18. What is a string ? Explain any four string methods in C#.

19. Explain multithreading with example.

20. What is method overloading ? Explain with example.

PART – D

(Long Essay)

Answer **any 2** questions. (2×5=10)

21. Explain the architecture of .NET framework.

22. Explain the process of creating a web application in .NET.

23. Explain the steps required for establishing the database connectivity using ADO.NET.

24. Describe the exception handling mechanism in C#.

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