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Reg. No.

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V Semester B.C.A. 5 (CBCS) Degree Examination, March/April - 2023
. NET USING C#
(Regular)

Time : 3 Hours

Maximum Marks : 80

Instructions to Candidates :

- 1) All sections are compulsory.
- 2) Draw diagrams whenever necessary.

Section - A

Answer any **ten** of the following questions.

(10×2=20)

1. a) Expand CLR and CTS.
b) Define the term class and object in C#
c) Define string and string Builder in C#
d) Define Exception. Give example.
e) Give the syntax of try, catch block in C#
f) List any two methods of system. GC class.
g) Define interface. Write the syntax.
h) What is a C# event?
i) Mention any four controls used in GUI Using windows forms.
j) Expand SDI, MDI.
k) What is .NET Assembly.
l) Define Binary writers and Binary Readers.

Section - B

Answer any **four** of the following questions.

(4×5=20)

2. Explain the anatomy of C# program.
3. Explain Boxing and unboxing with example.

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4. Write a program to demonstrate exception handling.
5. Explain Delegate in C# with example.
6. Explain any five common properties of controls in GUI using windows forms.
7. Explain the format of .NET assembly.

Section - C

Answer any **four** of the following questions.

(4×10=40)

8. Explain building blocks of .NET framework.
 9. a) Differentiate between system level and application level exception.
b) Explain inner exception with example.
 10. a) Explain collections in C#.
b) Write a C# program to demonstrate the use of delegate.
 11. Explain SDI and MDI in GUI using windows forms.
 12. a) Explain the role of .NET Assemblies.
b) Explain stream Reader and stream writer classes.
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