



K20U 1604

Reg. No. :

Name :



V Semester B.C.A. Degree (CBCSS – Reg./Sup./Imp.)
Examination, November 2020
(2014 Admn. Onwards)
Core Course
5B16BCA : C# AND .NET PROGRAMMING

Time : 3 Hours

Max. Marks : 40

SECTION – A

1. One word answer : (8×0.5=4)

- a) _____ is a run-time environment that manages and executes the code written in any .NET programming language.
- b) All C# applications begin execution by calling the _____ method.
- c) A variable which is declared inside a method is called a _____ variable.
- d) Boxing in .Net allows the user to convert a value type to _____
- e) Two methods with the same name but with different parameters is _____
- f) S the point at which an exception is thrown is called the _____
- g) The _____ forms are the Graphical User Interface (GUI) components created for web based interactions.
- h) _____ is the process of creating a bridge between managed code and unmanaged code.

SECTION – B

Write short notes on **any seven** of the following questions : (7×2=14)

- 2. Explain the .Net function.
- 3. What is C# ?
- 4. What is a literal ?

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5. How we can declare a structure in C# ?
6. What is a class ?
7. What is a delegate ?
8. What is Web form ?
9. What is meant by web service ?
10. What is ADO.NET ?
11. What is a meta data ?

SECTION – C

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

(4×3=12)

12. Explain the characteristics of C#.
13. What is an array ? Explain.
14. Explain about string in C#.
15. What is meant by event in C# ?
16. Describe various inheritance in C#.
17. What is .NET Remoting ?

SECTION– D

Write an essay on **any two** of the following questions :

(2×5=10)

18. What is .NET Framework ? Explain Architecture and Components.
 19. Explain about multithreading life cycle in detail.
 20. Explain step for creating a web application in .NET.
 21. Explain the step required for establishing database connectivity using ADO.NET.
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