K16U 1860

Reg. No. : ....

Name : ....

V Semester B.C.A. Degree (CBCSS – 2014 Admn. – Regular) Examination, November 2016
(Core Course)
5B16BCA : C# AND .NET PROGRAMMING

Time : 3 Hours

Max. Marks : 40

SECTION – A

One word answer :

(8×0.5=4 Marks)

1. C# is the only language specially designed for the .NET platform. True or False ?

2. Every class must include a Main method in its definition. True or False ?

3. A C# program is a collection of classes. True or False ?

4. CLS means _____

5. What is 'ref' modifier ?

6. The constant value assigned to variable in a program is known as _____

7. How do invoke a method in C# ?

8. The _____ method is used to compare two strings.

SECTION – B

Answer **any seven** of the following :

(7×2=14 Marks)

9. Explain the new features that are unique to C# language.

10. What is CLR ?

11. Explain method overloading.

12. What is the typical use of ToString() method ?

13. Explain what each of the following code segments compute :
    c) x = 4;
       y = x + x
    d) x = "4";
       y = x + x;

14. What are command line arguments ? How they are useful ?

15. What is Unboxing ? How do we achieve it ?

16. Explain Web Services.

17. What are compile time errors ?

18. Explain Inheritance.

SECTION – C

Answer **any four** of the following : (4×3=12 Marks)

19. Describe the structure of a C# program.

20. Describe the most important highlights of C# language.

21. Find errors if any, in the following statements.
    String s1 = ("abc + xyz");
    String s2 = s1 + "abc";
    String s3 = "@\ABC\nCsharp";

22. How does C# differ from Java ?

23. Explain private and shared assemblies.

24. Explain any two differences between Windows based and Web based Applications.

SECTION – D

Answer **any two** of the following : (2×5=10 Marks)

25. Explain the characteristics of C# language.

26. Describe in detail the steps involved in implementing an application program in C# ?

27. Explain Multithreading.

28. Explain ADO.NET.

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