

C 61223

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Name.....

Reg. No.....

**FOURTH SEMESTER B.C.A. DEGREE EXAMINATION, APRIL 2019**

(CUCBCSS—UG)

B.C.A.

BCA 4B 05—VISUAL PROGRAMMING USING C#. NET

(2014 Admissions)

Time : Three Hours

Maximum : 80 Marks

**Part A**

*Answer all questions.*

*Each question carries 1 mark.*

1. Expand ASP.
2. .Net Framework provides runtime environment called \_\_\_\_\_.
3. \_\_\_\_\_ function returns the size of a data type.
4. The keyword \_\_\_\_\_ is used for accessing a member variable without creating the object of its class.
5. In C# \_\_\_\_\_ is used to implement multiple inheritance.
6. OLEDB stands for \_\_\_\_\_.
7. A \_\_\_\_\_ is a reference type variable that holds the reference to a method.
8. All exceptions are derived from the base class \_\_\_\_\_.
9. The method used for displaying output is \_\_\_\_\_.
10. \_\_\_\_\_ keyword refers to the current object of a class.

(10 × 1 = 10 marks)

**Part B**

*Answer all questions.*

*Each question carries 2 marks.*

11. What is Windows Workflow Foundation ?
12. What is the purpose of *is* operator ?
13. What is an indexer ?

**Turn over**

14. What do you mean by compile time polymorphism ?
15. What is an event handler ?

(5 × 2 = 10 marks)

### Part C

*Answer any five questions.  
Each question carries 4 marks.*

16. Explain the structure of a simple C# program.
17. Explain value types in C#.
18. Explain the null coalescing operator with an example.
19. Explain how you will declare a C# structure with an example.
20. Explain sealed methods in C#.
21. Explain array of objects with an example.
22. Explain the *partial* class in C#.
23. Explain DataReader object.

(5 × 4 = 20 marks)

### Part D

*Answer any five questions.  
Each question carries 8 marks.*

24. Explain the benefits of .NET framework.
25. Explain metadata in .NET framework.
26. Explain various decision making statements in C#.
27. Describe various access specifiers in C#.
28. Explain function overloading in C# with an example.
29. Explain with syntax and example the keywords try, catch and finally.
30. Explain Dataset class with its properties.
31. Explain C# Textbox with any of its 5 properties.

(5 × 8 = 40 marks)