

C 3970

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Name.....

Reg. No.....

FOURTH SEMESTER **B.C.A.** DEGREE EXAMINATION, APRIL 2016

(CUCBCSS—UG)

Core Course

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

Time : Three Hours

Maximum : 80 Marks

**Part .A**

*Answer all questions.*

*Each question carries 1 mark.*

1. \_\_\_\_\_ form the fundamental unit of deployment, version control, reuse, activation scoping, and security permissions for a :NET-based application.
2. **WPF** stands for \_\_\_\_\_
3. \_\_\_\_\_ is a group of contiguous or related data items that share a common name.
4. \_\_\_\_\_ extracts the value type from the object.
5. \_\_\_\_\_classes cannot be inherited.
6. The process of displaying essential details of an entity and hiding irrelevant details from the user is known as \_\_\_\_\_
7. \_\_\_\_\_is a reference type variable that holds the reference to a method.
8. \_\_\_\_\_class is the base class of all exception classes.
9. **ADO** stands for \_\_\_\_\_
10. What method needs to be called on the **DataAdapter** control to fill the generated **DataSet** with data ?

(10 x 1 = 10 marks)

**Part B**

*Answer all questions.*

*Each question carries 2 marks.*

11. What is common language runtime ?
12. What is the importance of this keyword ?
13. What is inheritance ?

Turn over

14. What is an exception ?
15. Write the role of `DataAdapter.Update()` methods.

(5 x 2 = 10 marks)

### Part C

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

16. Write short note on **MSIL**.
17. What do you mean by interface indexers ? Explain with an example.
18. Write short note on **option** and **imports** statements.
19. Write short on switch statement.
20. What do you mean by runtime polymorphism ? Explain with an example.
21. What are delegates and why are they required ?
22. Distinguish between classic ADO and **ADO.NET**.
23. What is difference between **dataset** and **datareader** ?

(5 x 4 = 20 marks)

### Part D

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

24. Explain the benefits of .NET framework.
25. What is the importance of access modifiers ? Explain.
26. Explain the basic principles of object oriented programming.
27. Write C# code to add two matrix using binary operator overloading.
28. Explain different Windows Forms Layout.
29. Explain exception handling mechanism used in C#.
30. Write short note on any *eight* properties of **ComboBox** control.
31. Write short notes on any *eight* **ADO.NET** objects.

(5 x 8 = 40 marks)