

C 23300

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Name.....

Reg. No.....

FOURTH SEMESTER B.C.A. DEGREE EXAMINATION, APRIL 2017
(CUCBCSS-UG)

Core Course

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

Time : Three Hours

Maximum : 80 Marks

Part A

Answer all questions.

Each carries 1 mark.

1. _____ phase gives the information about the different features of the message system in WCF architecture.
2. _____ variables are visible only in the block they are declared.
3. What is the size of sbyte data type ?
4. If a compiler converts one type of data into another type of data automatically then the type conversion is known as _____.
5. _____ specifier allows a class to expose its member variables and member functions to other functions and objects.
6. The concept of binding data member and member functions in to a single unit is known as _____.
7. _____ class is the base class of all exception classes.
8. _____ property of Button control is used to set an image displayed on it.
9. Datasets follow the _____ data architecture.
10. _____ property is used to check whether a DataReader is closed or opened ?

(10 × 1 = 10 marks)

Part B

Answer all questions.

Each carries 2 marks.

What is assembly ?

What is meant by delegates ?

Turn over

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13. What is the role of constructor when creating an object?
 14. What is an event?
 15. Write the role of DataSet, AcceptChanges() methods.

(5 × 2 = 10 marks)

Part C

Answer any five questions.
Each carries 4 marks.

16. What are the importances of MSIL in .NET framework?
17. Write short note on boxing and unboxing.
18. Write short note on namespace.
19. Write short note on runtime polymorphism with example.
20. Distinguish between abstract class and interface.
21. Explain try and catch statement in exception handling.
22. Briefly explain DataAdapter class in ADO.NET.
23. What are the namespaces used in ADO.NET for data access?

(5 × 4 = 20 marks)

Part D

Answer any five questions.
Each carries 8 marks.

24. What is .NET? Explain the different components of .NET framework.
25. What is operator overloading? Write C# code to find the sum of two complex number using binary operator overloading.
26. Explain different data types used in C#.
27. What is the importance of access modifier? Explain.
28. Explain the importance of interface in C# programming.
29. Write C# code to add two numbers using GUI components.
30. Write the procedure to access data using DataAdapter?
31. What is ADO.NET? What are the benefits of using ADO.NET?

(5 × 8 = 40 marks)

