

C 3970

(Pages : 2)

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 × 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)