

16U422

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Name:

Reg. No.....

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

(Supplementary/Improvement)

(CUCBCSS-UG)

CC15U BCA4 B05 - VISUAL PROGRAMMING USING C#.NET

(Core Course)

(2015, 2016 Admissions)

Time: Three Hours

Maximum: 80 Marks

PART A

Answer *all* questions. Each question carries 1 mark.

1. When a value type is converted to object type, it is called -----.
2. Which of the following preprocessor directive specifies the end of a conditional directive in C#?
a) elif b) endif c) If d) else
3. Which of the following is not an access modifier?
a) Public b) Private c) Protect d) Internal
4. Which of the following is the object oriented way to handle run time errors?
a) Error codes b) HERRESULT c) OnError d) Exceptions
5. To implement delegates, the necessary condition is.
a) class declaration b) inheritance
c) run time polymorphism d) exceptions
6. In Inheritance concept, which of the following members of base class are accessible to derived class members?
a) static b) protected c) private d) shared
7. To use the .NET Framework Data Provider for SQL Server, an application must reference the _____ namespace.
a) System.Data.Client b) System.Data.SqlClient
c) System.Data.Sql d) None of the mentioned
8. _____object is used to fill a DataSet/DataTable with query results in ADO.net.
a) DataReader b) Dataset c) DataAdapter d) DataTables
9. Write the full form of .NET
10. Which of the following constitutes the .NET Framework?
1) ASP.NET Applications 2) CLR 3) Framework Class Library
4) WinForm Applications 5) Windows Services
a) 1, 2 b) 2, 3 c) 3, 4 d) 2, 5

(10 × 1 = 10 Marks)

PART B

Answer *all* questions. Each question carries 2 marks.

11. Define boxing and unboxing.
12. What are type conversions?
13. Distinguish between break and continue.
14. Write two difference between class and structure.
15. What is data set?

(5 × 2 = 10 Marks)

PART C

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

16. Explain properties of C#.
17. Explain .Net framework architecture.
18. Explain the operators a) is b) as c)?: d) ??
19. What are Indexers?
20. Write a program to implement the usage of radio button.
21. What is the purpose of checked and unchecked statements?
22. Explain user defined method to handle exception 'division by zero'.
23. Explain two properties and one method for following with example code.
a) Date time picker b) list box c) check box d) tree view

(5 × 4 = 20 Marks)

PART D

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

24. Explain the activities of Common language runtime.
25. What is class? write the creation of class and object with an example program using C#
26. Explain interfaces and their implementation.
27. Explain the architecture of ADO.net with diagram.
28. Define expression. What are different operators available in C# explain?
29. What are delegate? Describe event handling using delegates. Explain event handlers.
30. Define connection string. Explain the data base connectivity to SQL server using data reader.
31. Explain the control flow using selection statements of C#

(5 × 8 = 40 Marks)
