

16U419

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Name:

Reg. No.....

FOURTH SEMESTER B.C.A. DEGREE EXAMINATION, APRIL 2018

(Regular/Supplementary/Improvement)

(CUCBCSS-UG)

CC15U BCA4 B05 - VISUAL PROGRAMMING USING C#.NET

(Core Course)

(2015 Admission onwards)

Time: Three Hours

Maximum: 80 Marks

PART I

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

1. A GUI:
 - a) uses buttons, menus, and icons.
 - b) should be easy for a user to manipulate.
 - c) stands for Graphic Use Interaction.
 - d) Both a and b.
2. What does IDE stand for?
 - a) Integrated Development Environment
 - b) Integrated Design Environment
 - c) Interior Development Environment
 - d) Interior Design Environment
3. Which task is accomplished in the Code editor?
 - a) Adding forms to the project
 - b) Adding controls to the form
 - c) Adding event procedures to the form
 - d) Both a and b.
4. The CancelButton property belongs to which object?
 - a) Button
 - b.) Form
 - c.)Label
 - d.)TextBox
5. The capability of an object in Csharp to take number of different forms and hence display behaviour as according is known as:
 - a) Encapsulation
 - b) Polymorphism
 - c) Abstraction
 - d) None of the mentioned
6. The Activated event is found only in which object?
 - a) Form
 - b.) Button
 - c.)TextBox
 - d) Label
7. Which of these keywords must be used to monitor exceptions?
 - a) try
 - b) finally
 - c) throw
 - d) catch
8. The operator used to access member function of a class?
 - a) :
 - b) ::
 - c) .
 - d) #
9. Which of these methods is used to compare two strings such that after comparison output returns different integer values as (0 for false, 1 for true)?
 - a) Equals ()
 - b) == operator
 - c) Compare()
 - d) None of the mentioned
10. How many values does a function return?
 - a) 0
 - b) 2
 - c) 1
 - d) any number of values

(10 x 1 = 10 Marks)

PART II

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

11. Explain about “??” operator.
12. Distinguish between boxing and unboxing.
13. Explain sealed methods.
14. Explain MDI
15. Write the syntax of connection string.

(5 x 2 = 10 Marks)

PART III

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

16. Write c# program to print Armstrong (strange) number upto n.
17. Explain some of the common properties of controls.
18. What are access modifiers.
19. Explain assessors and mutators.
20. What is JIT?
21. Explain abstraction.
22. What are preprocessor directives in C#
23. Explain jump statements in C#

(5 x 4 = 20 Marks)

PART IV

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

24. Explain about the Components of .NET Framework?
25. What is polymorphism? Distinguish between compile time and runtime polymorphism.
26. What are iteration statements? Explain with syntax.
27. Write a program to handle exception, division by zero using try, catch and throw block.
28. Explain the architecture of ADO.NET.
29. What are events? Explain two event procedures for keyboard and mouse.
30. Write a c# program using methods in structures display the result and grade of the student?
31. Explain the following controls with event code
 1. Radiobutton
 2. Tree view control
 3. Date time picker
 4. Combo box

(5 x 8 = 40 Marks)
