THIRD SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2018
(Supplementary/Improvement)
(CUCBCSS - UG)
CC15U BCS3 B05 - VISUAL PROGRAMMING USING VB.NET
(Computer Science – Core Course)
(2015 & 2016 Admissions)

Time: Three Hours   Maximum: 80 Marks

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

1. The .... window contains all the controls that can be used to build an application interface.

2. Automatic data type conversion is called as ....

3. In the DateTime class Date and Time values are stored internally as .... numbers.

4. The loop structure that is used exclusively for iterating through the items of a collection or array is ....

5. The property that helps various controls to design forms that can be resized gracefully at runtime is ....

6. RTF stands for ....

7. Instance of a class is known as ....

8. In structured exception handling the .... block contains code that generate exceptions.

9. ADO stands for ....

10. .... allows a control to bind to more than one data element.

(10 × 1 = 10 Mark)

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

11. What is type casting?

12. Write and explain the syntax of Select Case statement.

13. Differentiate between FindString and FindStringExact methods

14. What is debugging? Discuss on the major categories of errors.

15. Write and explain the sql statement to populate a dataset.

(5 × 2 = 10 Mark)

PART C

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

16. What do you mean by event driven programming? Write any five commonly used mouse events and keyboard events.

17. Distinguish between scope and lifetime of a variable with example.

18. Explain argument passing mechanisms used in VB.

19. Give syntax and describe the following: (a) For Each…Next (b) Do Loop

20. What are the advantages of adding menu to a program? How do you add it in VB?

21. Write short notes on Timer component.

22. Define the terms : (a) class (b) object (c) break point (d) hit count

23. Explain two different ways of databinding with example.

(5 × 4 = 20 Marks)

PART D

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

24. Explain 'Components of .NET Framework' with a neat diagram.

25. What are the different types of operators allowed in VB?

26. Write notes on (a) Function (b) Procedure (c) InputBox (d) MsgBox

27. Give a detailed description on strings and string functions.

28. Write a program to add, count and search items in a list box.

29. Write an essay on 'properties and methods of a form object'.

30. Discuss on Structured Exception Handling

31. Describe about the various ADO. net objects needed to work with databases in Visual Basic.

(5 × 8 = 40 Marks)

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