



K17U 1955

Reg. No. :

Name :

III Semester B.Sc. Degree (CBCSS-Reg./Sup./Imp.)

Examination, November 2017

(2014 Admn. Onwards)

COMPLEMENTARY COURSE IN COMPUTER SCIENCE

3C03CSC : Database Management System

Time : 3 Hours

Max. Marks : 32

SECTION – A

1. One word answer.

(6×0.5=3)

- _____ statement is used to change a value in a tuple without changing all values in the tuple.
- Set of permitted values of each attribute is called _____
- _____ statement is used to redimension an array.
- To set the command button for Esc, _____ property has to be changed.
- _____ operator is used to separate the name of the form or control from the property to be changed.
- The _____ operation selects tuples that satisfy a given predicate.

SECTION – B

Write short notes on **any five** of the following questions.

(5×2=10)

- What is data abstraction ?
- What is meant by functional dependency ?
- What is foreign key ?

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5. Explain the use of DML.
6. List any four applications of database systems.
7. What is the use of OLE ?
8. List the steps in creating an application in VB.
9. How do you use events in VB ?

SECTION - C

Answer **any three** of the following questions.

(3x3=9)

10. Differentiate call by value and call by reference.
11. Explain control array.
12. Explain different types of database users.
13. Explain transactions.
14. Write short note on different constraints in E-R model.

SECTION - D

Write an essay on **any two** of the following questions.

(2x5=10)

15. Explain the two-tier and three-tier architectures of database systems.
16. Explain looping statements in VB with examples.
17. Explain the fundamental operations in relational algebra.
18. What is meant by normalization ? Explain different types of normalization with suitable examples.