Reg. No. : ....

Name : ....

III Semester B.Sc. Degree (CCSS – 2014 Admn. – Regular) Examination, November 2015
COMPLEMENTARY COURSE IN COMPUTER SCIENCE
3C03 CSC : Database Management System

Time : 3 Hours

Max. Marks : 32

SECTION – A

1. **One** word answer :   (6×0.5=3)
   a) The _____ operation selects tuples that satisfy a given predicate.
   b) _____ statement is used to change a value in a tuple without changing all values in the tuple.
   c) Set of permitted values of each attribute is called _____
   d) _____ operator is used to separate the name of the form or control from the property to be changed.
   e) _____ statement is used to redimension an array.
   f) To set the command button for Esc, _____ property has to be changed.

SECTION – B

Write short notes on **any five** of the following questions :   (5×2=10)

2. What is a data abstraction ?

3. What is meant by functional dependency ?

4. What is foreign key ?

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 : (3×3=9)

10. Explain different types of database users.

11. Write short note on different constraints in E-R model.

12. Explain transactions.

13. Differentiate call by value and call by reference.

14. Explain control array.

SECTION – D

Write an essay on **any two** of the following questions : (2×5=10)

15. Explain the two-tier and three-tier architectures of database systems.

16. Explain the fundamental operations in relational algebra.

17. What is meant by normalization ? Explain different types of normalization with suitable examples.

18. Explain looping statements in VB with examples.

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