



K15U 0333

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)**
- The _____ operation selects tuples that satisfy a given predicate.
 - _____ 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 _____
 - _____ operator is used to separate the name of the form or control from the property to be changed.
 - _____ statement is used to redimension an array.
 - 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)**

- What is a data abstraction ?
- What is meant by functional dependency ?
- What is foreign key ?
- Explain the use of DML.
- List any four applications of database systems.
- What is the use of OLE ?
- List the steps in creating an application in VB.
- How do you use events in VB ?

P.T.O.



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.