Reg. No.: ....

Name : ....

**III Semester B.Sc. Degree (CBCSS – Reg./Suppl./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)

     a) The candidate key is that you choose to identify each row uniquely is

        called _____

     b) Syntax of create command _____

     c) _____ is the process of organizing data into related tables.

     d) Name any two aggregate functions.

     e) Name any one of the major operations on relational algebra are _____

     f) _____ is the expansion of VB.

SECTION – B

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

2. What are the types of variable declaration in Visual Basic ?

3. Describe BCNF.

4. Define weak and strong entity sets.

5. Visual basic is great programming tool justify your answer.

6. Define data independence.

7. What is the advantage of relational algebra ?

8. What is the advantages of SQL ?

9. What is meant by candidate key ?

SECTION – C

Answer **any three** of the following questions :   (3×3=9)

10. What are the difference between Array and Control Array ?

11. What is a data model ? List the type of data model used .

12. Explain the series of steps that needed to be performed for developing application.

13. Write short note on major data types used in Visual Basic.

14. What is meant by functional dependencies ? What are the uses of functional dependencies ?

SECTION – D

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

15. With a neat diagram, explain the structure of a DBMS.

16. With appropriate examples, explain the control structures in Visual Basic.

17. With a relevant example discuss the following in SQL.

    a) DDL   b) DML   c) DCL   d) View   e) JOIN

18. What are the major operations in Relational Algebra ? Explain with suitable examples.