Reg. No. : ....

Name : ....

III Semester B.C.A Degree (CBCSS-Reg./Sup./Imp.)
Examination, November - 2019
(2014 Admn. Onwards)
GENERAL COURSE
3A13 BCA : DATABASE MANAGEMENT SYSTEM

Time : 3 Hours

Max. Marks : 40

SECTION - A

1. **One** Word answer. (8×0.5=4)

    a) In a relational schema, each tuple is divided into fields called .....

    b) In an ER model, ... is described in the database by storing its data.

    c) An attribute of a table cannot hold multiple values is the property of ....

    d) ....is number of participating entities in a relationship.

    e) In SQL, ...command is used to add a column/integrity constraint to a table.

    f) The ....operation combines the results of two different queries which have the same set of attributes in the select clause.

    g) The minimal set of super key is called............

    h) Relations produced from an E-R model will always be in......

SECTION - B

Write short notes on any **seven** of the following questions. (7×2=14)

2. What is data model? What are the types of Data models?

3. What is transaction? State its properties.

4. What are the extended ER features?

P.T.O.

5. What is Normalization?

6. Write short note on SQL.

7. What are the data types available in sql?

8. What is Trigger?

9. List the set operations?

10. What is project operation?

11. What is Relational Calculus? State its types.

SECTION - C

Answer any **Four** of the following questions. (4×3=12)

12. Explain the functions of DBMS.

13. Explain the roles of DBA.

14. Compare BCNF and 3NF with examples.

15. Write query for creation of database and users.

16. Explain integrity constraints with example.

17. Explain domain calculus with example.

SECTION - D

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

18. What is E-R Model? Explain its components.

19. Explain DML commands with examples.

20 Write short notes on following:

a) Join Operations   b) Views   c) Sequence

21. What is Relational data model? Explain its important concepts.

_____