



K20U 1347

Reg. No. :

Name :



III Semester B.C.A. Degree (CBCSS – Sup./Imp.)

Examination, November 2020

(2014 – '18 Admns.)

General Course

3A13 BCA : DATABASE MANAGEMENT SYSTEM

Time : 3 Hours

Max. Marks : 40

SECTION – A

1. **One** word answer : (8×0.5=4)

- a) A relation that is not a part of the schema but is a virtual relation is called
- b) _____ is an attribute of a relation that is initially a primary key of another relation.
- c) Collections of operations that form a single logical unit of work are called
- d) The _____ is used to list the attributes desired in the result of a query.
- e) Using the _____ clause retains only one copy of identical tuples.
- f) _____ command to define a view in SQL.
- g) _____ used to identify one and only one instance of an entity uniquely.
- h) _____ is used to minimize the redundancy from a relation or set of relations.

SECTION – B

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

(7×2=14)

- 2. What is the use of REVOKE command ?
- 3. Write short note on DBMS.
- 4. Explain Transaction Management.

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5. What are the different types of entities ?
6. Define Functional Dependencies.
7. Write short note on DROP Command.
8. Write the syntax of GRANT Command.
9. Define Primary key.
10. What is 3NF ?
11. What are the types of JOIN operation ?

SECTION – C

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

(4×3=12)

12. Explain advantages of relational data model.
13. What are the basic notations of ER diagram ?
14. Explain the syntax of DML Commands.
15. Explain the various data types in sql.
16. Explain Domain integrity with an example.
17. What is Table ? Explain it's characteristics.

SECTION – D

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

(2×5=10)

18. What is DBMS ? Advantages and disadvantages of Database Management System (DBMS).
 19. What are DBS's Responsibilities.?
 20. Write syntax and example for DDL Commands.
 21. Explain different relational set operators.
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