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Roll No. ....

**4th Sem.**

**Branch : Comp., IT, CNC, CAD/CAM**

**Subject : Database Management System/RDBMS**

**Time : 3 Hrs.**

**M.M. : 100**

## SECTION-A

**Note: Multiple Choice Questions. All Questions are compulsory. (10x1=10)**

- Q.1 The overall description of a database is known as
- a) View                                      b) Instance  
c) Schema                                    d) Snapshot
- Q.2 Which of the following command is a type of DDL command
- a) Create                                      b) Update  
c) Delete                                      d) Merge
- Q.3 Which command is used to save any transaction permanently into the database
- a) Rollback                                  b) Commit  
c) Save point                                d) Save
- Q.4 The architecture of a database can be viewed as the\_\_\_\_\_.
- a) One Level                                  b) Two Level  
c) Three Level                                d) Four Level

- Q5. Which one of the following command is used to delete a table from the database.
- a) Drop                                      b) Alter
- c) Insert                                      d) Delete
- Q.6 Which normalization form is based on the transitive dependency
- a) 1NF    b) 2NF
- c) 3NF    d) 4NF
- Q.7 Which one of the following can be taken as a primary Key
- a) Adhar Card No                          b) Age
- c) Name                                        d) City
- Q.8 Duplicate values can be entered in Primary Key
- a) True                                         b) False
- Q.9 Which of the following cannot be used to modify the data in a database.
- a) Insert                                        b) Delete
- c) Update                                      d) Drop
- Q.10 Which of the following command is used to change the structure of a table
- a) Create                                       b) Alter
- c) Delete                                        d) All of the above

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### SECTION-B

**Note: Objective type questions. All questions are compulsory. (10x1=10)**

- Q.11 Expand SQL.
- Q.12 Define Normalisation.
- Q.13 Define Entity.
- Q.14 Expand DDL.
- Q.15 Define Primary Key.
- Q.16 Who is an End User.
- Q.17 Define Tuple.
- Q.18 Define Database.
- Q.19 What is the purpose of Grant Command.
- Q.20 Expand DBMS.

### SECTION-C

**Note: Short answer type Questions. Attempt any twelve questions out of fifteen Questions. (12x5=60)**

- Q.21 Write the drawbacks of a conventional file system.
- Q.22 Explain Data Independence.
- Q.23 Explain various data types used in SQL.
- Q.24 Explain various Integrity rules.

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- Q.25 Why we need Database Security.
- Q.26 Define View. How it is created.
- Q.27 Explain Create & Insert command with example.
- Q.28 Classify DBMS users.
- Q.29 Explain various types of Joins.
- Q.30 What is E-R Diagram. Draw various symbols used in it.
- Q.31 Write a short note on Big Data.
- Q.32 Explain Trivial Dependencies.
- Q.33 Explain the applications of a database system.
- Q.34 Explain Centralized DBMS.
- Q.35 What is the role of a DBA.

### SECTION-D

**Note: Long answer questions. Attempt any two questions out of three Questions. (2x10=20)**

- Q.36 Explain DBMS architecture.
- Q.37 Explain Relation Model.
- Q.38 Define Normalization. Explain various normal forms.

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