

No. of Printed Pages : 4 180843/170843/120843/030843
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)

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- Q5. Which one of the following command is used to delete a table from the database.

a) Drop b) Alter

c) Insert d) Delete

Q6. Which normalization form is based on the transitive dependency

a) 1NF b) 2NF

c) 3NF d) 4NF

Q7. Which one of the following can be taken as a primary Key

a) Adhar Card No b) Age

c) Name d) City

Q8. Duplicate values can be entered in Primary Key

a) True b) False

Q9. Which of the following cannot be used to modify the data in a database.

a) Insert b) Delete

c) Update d) Drop

Q10. 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.

Q25 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.