# DBMS MCQ

Let's merge and remove the similar questions, ensuring we have unique questions with their answers:

### Unique Questions with Answers:

1. \*\*A collection of related fields is called a:\*\*

- a) Database

- b) File

- c) Record

- d) Relation

\*\*Answer\*\*: c) Record

2. \*\*\_\_\_ is used to define the instances and schema of the database.\*\*

- a) DCL

- b) DDL

- c) DML

- d) DHL

\*\*Answer\*\*: b) DDL

3. \*\*\_\_\_ operator performs pattern matching.\*\*

- a) In

- b) Between

- c) Exist

- d) Like

\*\*Answer\*\*: d) Like

4. \*\*In SQL, which command is used to change a table's storage characteristics?\*\*

- a) Alter

- b) Update

- c) Select

- d) Modify

\*\*Answer\*\*: a) Alter

5. \*\*\_\_\_ is a set of one or more attributes taken collectively to uniquely identify a record.\*\*

- a) Primary Key

- b) Super key

- c) Foreign key

- d) Candidate Key

\*\*Answer\*\*: b) Super key

6. \*\*Which of the following is not a type of database?\*\*

- a) Hierarchical

- b) Network

- c) Distributed

- d) Decentralized

\*\*Answer\*\*: d) Decentralized

7. \*\*SQL Views are also known as:\*\*

- a) Virtual Table

- b) Simple Table

- c) Complex Table

- d) Actual Table

\*\*Answer\*\*: a) Virtual Table

8. \*\*\_\_\_ is a constraint that can be defined only at the column level.\*\*

- a) Unique

- b) Not null

- c) Check

- d) Primary key

\*\*Answer\*\*: b) Not null

9. \*\*\_\_\_ is referred as meta data.\*\*

- a) Directory

- b) Sub Data

- c) Warehouse

- d) Meta Data

\*\*Answer\*\*: d) Meta Data

10. \*\*"DFD" stands for:\*\*

- a) Data file diagram

- b) Data flow document

- c) Data flow diagram

- d) Data Flow design

\*\*Answer\*\*: c) Data flow diagram

11. \*\*\_\_\_ is a top-down approach in which the entity's higher level can be divided into two lower sub-entities.\*\*

- a) Aggregation

- b) Generalization

- c) Specialization

- d) All of the above

\*\*Answer\*\*: c) Specialization

12. \*\*The minimal set of super key is called:\*\*

- a) Secondary key

- b) Candidate key

- c) Foreign key

- d) Primary key

\*\*Answer\*\*: b) Candidate key

13. \*\*Rows of a relation are known as the:\*\*

- a) Degree

- b) Tuples

- c) Entity

- d) Table

\*\*Answer\*\*: b) Tuples

14. \*\*The relational Calculus is a:\*\*

- a) Structured

- b) Non-Procedural

- c) Logical

- d) Relational

\*\*Answer\*\*: b) Non-Procedural

15. \*\*What values does the count () function ignore?\*\*

- a) Repetitive values

- b) Null Values

- c) Character

- d) Integers

\*\*Answer\*\*: b) Null Values

16. \*\*Consider a relation R (A, B, C, D, E) with the following functional dependencies:\*\*

- ABC → D

- D → AB

- The number of candidate keys of R is:

- a) 3

- b) 2

- c) 1

- d) 0

\*\*Answer\*\*: c) 1

17. \*\*\_\_\_ JOIN is used to get rows that do not have matching values.\*\*

- a) Natural JOIN

- b) Outer JOIN

- c) Inner JOIN

- d) All of the above

\*\*Answer\*\*: b) Outer JOIN

18. \*\*\_\_\_ is used to save any transaction permanently into the database.\*\*

- a) Commit

- b) Rollback

- c) Savepoint

- d) None of the above

\*\*Answer\*\*: a) Commit

19. \*\*Armstrong's Axioms are a set of logical inference rules for reasoning about:\*\*

- a) Query optimization

- b) Data security

- c) Functional dependencies

- d) Data encryption

\*\*Answer\*\*: c) Functional dependencies

20. \*\*\_\_\_ decomposition takes place if information from the relation to be decomposed is not lost.\*\*

- a) Lossless

- b) Loss

- c) Dependency

- d) Independency

\*\*Answer\*\*: a) Lossless

21. \*\*Which one of the following refers to the "data about data"?\*\*

- a) Directory

- b) Metadata

- c) Warehouse

- d) Sub data

\*\*Answer\*\*: b) Metadata

22. \*\*Which of the following refers to the level of data abstraction that describes exactly how the data is actually stored?\*\*

- a) Conceptual

- b) Physical

- c) Logical

- d) File

\*\*Answer\*\*: b) Physical

23. \*\*In the relational table, which of the following can also be represented by the term "attribute"?\*\*

- a) Entity

- b) Raw

- c) Column

- d) Domain

\*\*Answer\*\*: c) Column

24. \*\*Which one of the following keywords is used to find out the number of values in a column?\*\*

- a) TOTAL

- b) SUM

- c) COUNT

- d) ADD

\*\*Answer\*\*: c) COUNT

25. \*\*Which one of the following commands is used to modify a column inside a table?\*\*

- a) Drop

- b) Update

- c) Alter

- d) Set

\*\*Answer\*\*: c) Alter

26. \*\*Which of the following commands is used to change data in a table?\*\*

- a) UPDATE

- b) INSERT

- c) BROWSE

- d) APPEND

\*\*Answer\*\*: a) UPDATE

27. \*\*Which one of the following given statements possibly contains the error?\*\*

- a) select \* from emp where empid = 1003;

- b) select empid from emp where empid = 1006;

- c) select empid from emp;

- d) select empid where empid = 1009 and Lastname = 'James';

\*\*Answer\*\*: d) select empid where empid = 1009 and Lastname = 'James';

28. \*\*In SQL, which command is used to select only one copy of each set of duplicate rows?\*\*

- a) SELECT DISTINCT

- b) SELECT UNIQUE

- c) SELECT DIFFERENT

- d) All of the above

\*\*Answer\*\*: a) SELECT DISTINCT

29. \*\*In SQL, which command is used to add a column/integrity constraint to a table?\*\*

- a) ADD COLUMN

- b) INSERT COLUMN

- c) MODIFY TABLE

- d) ALTER TABLE

\*\*Answer\*\*: d) ALTER TABLE

30. \*\*In SQL, GRANT command is used to:\*\*

- a) Allow user to access databases

- b) Allow user to create databases

- c) Grant system privileges, roles, and object privileges

- d) All of the above

\*\*Answer\*\*: d) All of the above

### Additional Unique Questions with Answers:

1. \*\*Which of the following provides the ability to query information from the database and insert tuples into, delete tuples from, and modify tuples in the database?\*\*

- a) DDL

- b) DML

- c) DCL

- d) XML

\*\*Answer\*\*: b) DML

2. \*\*Which one of the following keywords is used to save any transaction permanently into the database?\*\*

- a) Commit

- b) Rollback

- c) Save Point

- d) None of the above

\*\*Answer\*\*: a) Commit

3. \*\*Which of the following commands is used to change data in a table?\*\*

- a) UPDATE

- b) INSERT

- c) BROWSE

- d) APPEND

\*\*Answer\*\*: a) UPDATE

4. \*\*Which of the following is a disadvantage of DBMS?\*\*

- a) Controls database redundancy

- b) Complexity

- c) Data Sharing

- d) Multiple User Interface

\*\*Answer\*\*: b) Complexity

5. \*\*Which of the following commands is used to change the table's structure, such as adding a column or altering a column's data type?\*\*

- a) Alter

- b) Update

- c) Modify

- d) Change

\*\*Answer\*\*: a