DBMS/SQL QUIZ (30 MCQ)

Points: 18/30

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    cc026

2. Enter your Name *

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    Cloud

✕ **Incorrect**   0/1 Points

4. Group of operations that form a single logical unit of work called *

   ◯ Block

   ⦿ Unit

   ◯ Transaction

   ◯ None of These

✕ **Incorrect**   0/1 Points

5. Subqueries can be nested multiple times. *

- ( ) True

- (●) False

✓ **Correct**   1/1 Points

6. What is a view *

- (●) A type of database object that is a virtual table based on the result set of a SELECT statement

- ( ) A compiled set of SQL statements

- ( ) A database backup file format

- ( ) A database event handler

✗ **Incorrect**   0/1 Points

7. Which SQL statement is used to add a new column to an existing table *

- (●) ALTER TABLE

- ( ) ADD

- ( ) MODIFY

- ( ) UPDATE

✓ **Correct** 1/1 Points

8. Which keyword is used to retrieve all rows from a table in SQL? *

○ FETCH

◉ SELECT

○ GET

○ SEARCH

✓ **Correct** 1/1 Points

9. A relation has 45 tuples & 5 attributes, what will be the Degree & Cardinality of that relation *

◉ Degree 5, Cardinality 45

○ Degree 45, Cardinality 5

○ Degree 50, Cardinality 45

○ Degree 50, Cardinality 2250

✓ **Correct** 1/1 Points

10. Which of the following is known as the minimal super key *

○ Primary key

◉ Candidate key

○ Foreign key

○ Alternate key

✕ **Incorrect** 0/1 Points

11. Which of the following is not a valid aggregate function *

○ sum

◉ min

○ count

○ None of these

✗ **Incorrect**   0/1 Points

12. When AUTOCOMMIT is set on, changes will be made automatically at the end of each SQL statement. *

○ Extremely true

○ Somewhat true

○ Slightly true

◉ Not true at all

✓ **Correct**   1/1 Points

13. Which of the following is NOT a valid DB2/MySQL data type *

○ INTEGER

◉ BOOLEAN

○ VARCHAR

○ DECIMAL

14. A transaction is the complete set of closely related update commands that must all be done, or none of them done, for the database to remain valid. *

   ◉ True

   ○ False

15. What is a savepoint *

   ○ A type of database backup

   ◉ A point in a transaction to which the transaction can be rolled back.

   ○ A database event handler

   ○ A database configuration parameter

16. What type of join is needed when you wish to include rows that do not have matching values *

   ○ Equi-join

   ○ Natural join

   ◉ Outer join

   ○ None of these

17. Which of the following statements is true regarding the GROUP BY clause in SQL *

   ◉ It is used to specify the columns to be included in the SELECT statement.

   ○ It is used to filter rows based on a condition.

○ It is used to group rows based on one or more columns.

○ It is used to sort the result set in ascending order.

✓ **Correct**   1/1 Points

18. Which of the following statements about primary keys and foreign keys in SQL is correct *

○ A primary key is used to establish a relationship between two tables.

○ A foreign key is a column or set of columns that uniquely identifies a row in a table.

◉ A foreign key ensures referential integrity between related tables.

○ A foreign key is a column or set of columns that uniquely identifies a row in a table.

✕ **Incorrect**   0/1 Points

19. The joining technique is useful when data from several relations are to be retrieved and displayed and the relationships are not necessarily nested. *

○ True

◉ False

✓ **Correct**   1/1 Points

20. What are rows of a relation known as *

○ Entity

◉ Tuple

○ Degree

○ None of These

✓ **Correct**   1/1 Points

21. Which of the following statements about primary keys and foreign keys in SQL is correct *

   ⦿ A primary key uniquely identifies a row in a table, while a foreign key establishes a relationship between two tables.

   ◯ A primary key is used to establish a relationship between two tables, while a foreign key uniquely identifies a row in a table.

   ◯ A primary key and a foreign key are used interchangeably to uniquely identify a row in a table.

   ◯ A primary key and a foreign key are the same thing and serve the same purpose in SQL.

✓ **Correct**   1/1 Points

22. Which SQL keyword is used to retrieve data from multiple tables in a single query *

   ◯ SELECT

   ◯ FROM

   ◯ WHERE

   ⦿ JOIN

✓ **Correct**   1/1 Points

23. Which SQL constraint do we use to set some value to a field whose value has not been added explicitly *

   ◯ Unique

   ◯ Not Null

   ⦿ Default

   ◯ Check

✗ **Incorrect**   0/1 Points

24. Which of the following are types of Unicode character string types in SQL *

   ⦿ string

○ ntext

○ varchar

○ None of these

✕ **Incorrect**   0/1 Points

25. Which of the following commands is used to delete all rows and free up space from a table? *

○ Truncate

○ Delete

◉ Drop

○ Alter

✓ **Correct**   1/1 Points

26. Which of the following allows you to uniquely identify a tuple *

○ Schema

◉ Super Key

○ Attribute

○ Domain

✓ **Correct**   1/1 Points

27. Which of the following commands are used to put a restriction on the number of rows returned from a query *

○ Serial No

◉ Limit

○ Not Possible

○ Length

28. Which of the following is a correlated subquery *

○ Uses the result of an inner query to determine the processing of an outer query.

○ Uses the result of an outer query to determine the processing of an inner query.

○ Uses the result of an inner query to determine the processing of an inner query.

◉ Uses the result of an outer query to determine the processing of an outer query.

29. To display the detail of employee having „e" in their name in descending order of salary the correct SQL statement is *

○ SELECT * FROM emp WHERE ename LIKE "e%" ORDER BY SAL ;

○ SELECT * FROM emp ORDER BY SAL DESCWHERE ename LIKE "%e%";

○ SELECT * FROM emp WHERE ename LIKE "%e%" ORDER BY SAL DESC;

◉ SELECT * FROM emp WHERE ename LIKE "%e%" ORDER BY DESC SAL;

30. Which of the following statements is true concerning subqueries *

○ Involves the use of an inner and outer query.

○ Cannot return the same result as a query that is not a subquery.

○ Does not start with the word SELECT.

◉ All of the above.

✓ **Correct**   1/1 Points

31. Which SQL statement is used to sort the result set in ascending order *

○ Order ASC

◉ Order by ASC

○ Order DESC

○ Order by DESC

✓ **Correct**   1/1 Points

32. What is an alternate key in SQL *

○ An alternate key is another term for a primary key.

○ An alternate key is a key that is used for sorting the result set.

◉ An alternate key is a candidate key that is not selected as the primary key.

○ An alternate key is a foreign key used for establishing relationships between tables.

✓ **Correct**   1/1 Points

33. How many tables may be included with a join *

○ 2

○ 3

○ 4

◉ Any number of tables

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