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## Database MCQ Questions

**Q1. The DBMS acts as an interface between what two components of an enterprise-class database system?**

- A. Database application and SQL
- B. Data and the database
- C. The user and the database application
- D. Database application and the database**

**Q2. Which of the following products was an early implementation of the relational model developed by E.F. Codd of IBM?**

- A. R:base
- B. DB2**
- C. IDMS
- D. dBase-II

**Q3. An on-line commercial site such as Amazon.com is an example of**

- A. An on-line commercial site such as Amazon.com is an example of
- B. multiuser database application
- C. e-commerce database application**
- D. data mining database application

**Q4. The following are functions of a DBMS except .....**

- A. processing data
- B. creating databases
- C. creating and processing forms**
- D. administering databases

**Q5. Which of the following is not considered to be a basic element of an enterprise-class database system?**

- A. Users
- B. DBMS
- C. COBOL programs**

D. Database applications

**Q6. The command to eliminate a table from a database is:**

- A. DROP TABLE CUSTOMER;**
- B. DELETE TABLE CUSTOMER;
- C. REMOVE TABLE CUSTOMER;
- D. UPDATE TABLE CUSTOMER;

**Q7. SQL data definition commands make up a**

- A. DML
- B. DDL**
- C. XML
- D. HTML

**Q8. Which of the following is valid SQL for an Index?**

- A. ADD INDEX ID;
- B. CHANGE INDEX ID;
- C. CREATE INDEX ID;**
- D. REMOVE INDEX ID;

**Q9. Which of the following do you need to consider when you make a table in SQL?**

- A. Data types
- B. Primary keys
- C. Default values
- D. All are Correct**

**Q10. Which one of the following sorts rows in SQL?**

- A. SORT BY
- B. ALIGN BY
- C. GROUP BY
- D. ORDER BY**

**Q11. Which of the following SQL statement that queries or reads data from a table?**

- A. READ
- B. QUERY
- C. SELECT**

D. None of the Above

**Q12. Which of the following was adopted as a national standard by ANSI in 1992?**

- A. DBase
- B. SQL**
- C. Oracle
- D. Microsoft Access

**Q13. SQL is a:**

- A. DBMS
- B. Data sublanguage**
- C. Operating system
- D. Programming language

**Q14. Which of the following is a group of one or more attributes that uniquely identifies a row?**

- A. Tuple
- B. Key**
- C. Relation
- D. Determinant

**Q15. A relation is considered a:**

- A. one-dimensional table
- B. two-dimensional table**
- C. three-dimensional table
- D. None of the Above

**Q16. A relation in this form is free of all modification anomalies.**

- A. First normal form
- B. Domain/key normal form**
- C. Third normal form
- D. All are Correct

**Q17. The SQL statement to create a view is**

- A. MAKE VIEW
- B. SELECT VIEW

**C. CREATE VIEW**

D. INSERT VIEW

**Q18. Which of the following is NOT a type of SQL constraint?**

A. PRIMARY KEY

**B. ALTERNATE KEY**

C. FOREIGN KEY

D. None of the Above

**Q19. What is an SQL virtual table that is constructed from other tables?**

**A. A view**

B. A relation

C. Query results

D. Just another table

**Q20. What is not an advantage of stored procedures?**

A. Code sharing

B. Greater security

C. SQL can be optimized

**D. Increased network traffic**

**Q21. Database redesign is not terribly difficult if the:**

A. Database is structured.

**B. Database has no data.**

C. Database is well-designed.

D. Database is relatively small.

**Q22. How many copies of the database schema are typically used in the redesign process?**

A. One

B. Two

**C. Three**

D. Four

**Q23. What type of join is needed when you wish to return rows that do have matching values?**

- A. Equi-join
- B. Outer join
- C. Natural join
- D. All are Correct**

**Q24. Which of the following is one of the basic approaches for joining tables?**

- A. Subqueries
- B. Natural join
- C. Union Join
- D. All are Correct**

**Q25. Which of the following is true concerning triggers?**

- A. You do not create them with SQL.
- B. They have an event, condition, and action**
- C. They cannot cascade (cause another trigger to fire).
- D. They execute against only some applications that access a database.

**Q26. The most popular way to materialize XML documents is to use:**

- A. DTD
- B. HTML
- C. XSLT**
- D. SOAP

**Q27. XML Schemas consist of:**

- A. Structure and data
- B. Elements and attributes**
- C. Properties and methods
- D. Tables and relationships

**Q28. A \_\_\_\_\_ indicates an absent value that may exist but be unknown or that may not exist at all.**

- A. Empty tuple
- B. Null value**
- C. Old value
- D. New value

**Q29. Using the \_\_\_\_\_ clause retains only one copy of such identical tuples.**

- A. Null
- B. Unique
- C. Distinct**
- D. Not null

**Q30. A Boolean data type that can take values true, false, and \_\_\_\_\_**

- A. 1
- B. Null
- C. Unknown**

**Q31. The \_\_\_\_\_ keyword is used to access attributes of preceding tables or subqueries in the from clause.**

- A. In
- B. With
- C. Lateral**
- D. Having

**Q32. Which of the following is not an aggregate function?**

- A. Sum
- B. Avg
- C. Min
- D. With**

**Q33. A Delete command operates on \_\_\_\_\_ relation.**

- A. Null
- B. One**
- C. Several
- D. Two

**Q34. The problem of ordering the update in multiple updates is avoided using**

- A. Set
- B. Case**
- C. Where
- D. When

**Q35. Which of the join operations do not preserve non matched tuples?**

- A. Inner join**
- B. Natural join
- C. Left outer join
- D. Right outer join

**Q36. The operation which is not considered a basic operation of relational algebra is**

- A. Join**
- B. Union
- C. Selection
- D. Cross product

**Q37. Which of the following is the syntax for views where v is view name?**

- A. Create view “query expression”;
- B. Create view v as “query name”;
- C. Create “query expression” as view;
- D. Create view v as “query expression”;**

**Q38. Which of the following makes the transaction permanent in the database?**

- A. View
- B. Commit**
- C. Flashback
- D. Rollback

**Q39. Which of the following is not an integrity constraint?**

- A. Unique
- B. Not null
- C. Positive**
- D. Check ‘predicate’

**Q40. Which of the following is the right syntax for the assertion?**

- A. Create assertions ‘predicates’;
- B. Create assertion check ‘predicate’ ‘assertion-name’;
- C. Create assertion ‘assertion-name’ check ‘predicate’;**
- D. None of the Above

**Q41. Which of the following is used to store movie and image files?**

- A. Blob**
- B. Clob
- C. Image
- D. Binary

**Q42. Which of the following is used to access the database server at the time of executing the program and get the data from the server accordingly?**

- A. Dynamic SQL**
- B. Embedded SQL
- C. SQL data analysis
- D. SQL declarations

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