

Your score : 32 / 40

Q.1. A Key which uniquely identifies each row in the table is known as?

- Primary Key
- Unique Key
- Composite Key
- Foreign Key

Right answer.

Q.2. Commands that comes under DDL is/are

- INSERT, UPDATE, DELETE
- CREATE, ALTER, DROP, TRUNCATE
- COMMIT, ROLLBACK, SAVEPOINT
- GRANT, REVOKE

Right answer.

Q.3. By normalizing relations or sets of relations, one minimizes ____.

- Data
- Fields
- Redundancy
- Database

Right answer.

Q.4. What does the following code snippet do?

ALTER TABLE STUDENT ADD(ADDRESS VARCHAR(20));

- Adds a column called ADDRESS in the table student
- Checks if a column called ADDERESS is present in the table student
- Adds student details
- Invalid Syntax

Right answer.

Q.5. In the ER model, the derived attributes are represented by a _____

- rectangle
- Ellipse
- Diamond
- Dashed oval

Wrong answer.

Right answer : Dashed oval

Q.6. Which of the following is the correct syntax for using the HAVING clause?

SELECT (column_name)
 HAVING (function condition)
 GROUP BY (column_name)
 FROM (entity_name);

SELECT (column_name)
 FROM (entity_name)
 GROUP BY (column_name)
 HAVING (function condition);

SELECT (column_name)
 FROM (entity_name)
 HAVING (function condition)
 GROUP BY (column_name);

SELECT (column_name)
 HAVING (function condition)
 FROM (entity_name)
 GROUP BY (column_name);

Right answer.

Q.7. Which triggers automatically invoked after adding a new row in the table?

AFTER CREATE

BEFORE UPDATE

AFTER INSERT

AFTER DELETE

Right answer.

Q.8. In localhost MySQL connection runs on which port number?

8080

8000

3306

3000

Right answer.

Q.9. Which operator is used to test whether or not a value lies within a specified range?

LIKE

BETWEEN

IN

FOR

Right answer.

Q.10. _____ means that all clients see the same data at the same time, no

matter which node they connect to & _____ means that any client making a request for data gets a response, even if one or more nodes are down.

- Availability, Consistency
- Consistency, Availability
- Availability, Partition tolerance
- Consistency, Partition tolerance

Right answer.

Q.11. What is true about indexes?

- Indexes enhance the performance even if the table is updated frequently
-
- It makes harder for sql server engines to work to work on index which have large keys
-
- It doesn't make harder for sql server engines to work to work on index which have large keys
- None of the mentioned

Wrong answer.

Right answer : None of the mentioned

Q.12. What is TRUE about the Third Normal Form (3NF)?

-
- When a relation is in 2NF and does not contain transitive partial dependencies, it will be in 3NF.
-
- Data duplication is reduced by using 3NF.
-
- It helps maintain the integrity of the data.
- All of the above

Right answer.

Q.13. How to select all data from studentinfo table with the name that have 'r' in the second position?

- SELECT * FROM studentinfo WHERE sname LIKE 'r%';
- SELECT * FROM studentinfo WHERE sname LIKE '%r%';
- SELECT * FROM studentinfo WHERE sname LIKE '%r';
- SELECT * FROM studentinfo WHERE sname LIKE '_r%';

Right answer.

Q.14. Which of the following is TRUE about UNIQUE constraint?

-
- In columns that are subject to the UNIQUE constraint, duplicate values are not allowed.
-
- In columns that are subject to the UNIQUE constraint, duplicate values are not allowed.
-
- A single table can have more than one unique constraint, since it can be applied to more than one column.

All of the above

Right answer.

Q.15. Relation R1 has 10 tuples and 5 attributes. Relation R2 has 0 tuples and 7 attributes. When a CROSS JOIN is achieved between R1 and R2, how many tuples would the resultant set have?

70

10

0

35

Right answer.

Q.16. What is true about view?

Database views are created using the CREATE VIEW statement.

To create a view, a user must have the appropriate system privilege according to the specific implementation.

Both A & B

None of these

Wrong answer.

Right answer : Both A & B

Q.17. Which of the following can replace the below query?

```
SELECT Name, ID  
FROM Student, Courses  
WHERE Student_ID = Courses_ID;
```

Select Name, ID from Courses, Student where Student_ID = ID

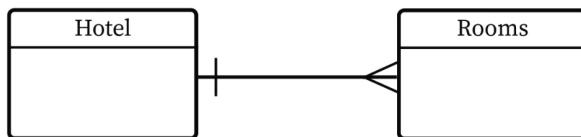
Select Name, ID from Student natural join Courses;

Select Name, ID from Student;

Select ID from Student join Courses;

Right answer.

Q.18. In below diagram which type of cardinal relationship is shown?



One to One

One to Many

Many to One

Many to Many

Right answer.

Q.19. Consider a relation R(A, B, C, D) with the following functional dependencies:

Q.19. Consider a relation R(A, B, C, D) with the following functional dependencies.

A \rightarrow (B, C, D), (A, D) \rightarrow (B, C) and (C, D) \rightarrow (A, B).

Identify the candidate key(s).

{A}

{A}, {C, D}

{A}, {C, D}, {A, D}

{C, D}

Right answer.

Q.20. Which of the following MongoDB query is equivalent to the following SQL

query:

UPDATE users SET status = "C" WHERE age > 25

db.users.update(
 { age: { \$gt: 25 } },
 { status: "C" }
)

db.users.update(
 { age: { \$gt: 25 } },
 { \$set: { status: "C" } }
)

db.users.update(
 { age: { \$gt: 25 } },
 { \$set: { status: "C" } },
 { multi: true }
)

db.users.update(
 { age: { \$gt: 25 } },
 { status: "C" },
 { multi: true }
)

Wrong answer.

Right answer :

```
db.users.update(  
    { age: { $gt: 25 } },  
    { $set: { status: "C" } },  
    { multi: true }  
)
```

Q.21. MongoDB includes _____ in its bin folder

MongoData

MongoFind

Mongod

All of the above

Right answer.

Q.22. Joining a table with itself is called

Self Join

Equi Join

Join

Full Join

Right answer.

Q.23. _____ function in SQL is used to get the number of rows with the SELECT statement.

SUM()

MAX()

COUNT()

MIN()

Right answer.

Q.24. SQL Database have below two tables :

States		Cities		
State_id	State_name	City_id	City_name	State_id
1	Maharashtra	1	Mumbai	1
2	Karnataka	2	Pune	1
3	Gujarat	3	Bengaluru	2
		4	Ahmedabad	3
		5	Surat	3

What will be the query to fetch city names of Maharashtra state?

SELECT City_name FROM Cities WHERE State.State_id = Cities.State_id;

SELECT * FROM States,Cities;

SELECT City_name FROM States INNER JOIN Cities WHERE State.State_id = Cities.State_id;

SELECT City_name FROM Cities IN SELECT * FROM States;

Right answer.

Q.25. Modelling of relationship between a collection of entities and relationships is

Relational Algebra

Relation schema

Aggregation

Relationship set

Wrong answer.

Right answer : Aggregation

Q.26. One table can combine upto ___ columns in a composite primary key.

2

16

12

None of the above

Wrong answer.

Right answer : 16

Q.27. The DELETE command is used to _____ from a table. The TRUNCATE command is used to _____ from the table.

- delete complete database, delete the table
- delete the complete data, delete particular records
- delete particular records, delete the complete data
- delete the table, delete the database

Right answer.

Q.28. Which operator is used to compare a value to a specified list of values?

- ANY
- BETWEEN
- ALL
- IN

Right answer.

Q.29. Which of the following statements does not change the state of the database?

- Where
- Select
- Insert
- Drop

Right answer.

Q.30. With _____ MongoDB supports a complete backup solution and full deployment monitoring.

- MMS
- AMS
- CMS
- DMS

Right answer.

Q.31. When is it best to use a NoSQL database?

- When providing confidentiality, integrity and availability is crucial
- When the data is predictable
- When the retrieval of large quantities of data is needed
- When the retrieval speed of data is not critical

Wrong answer.

Right answer : When the retrieval of large quantities of data is needed

Q.32. Which is the correct order (lowest to highest) in which MongoDB compares the BSON types?

- Null, Number, String and Object
- Number, Null, String and Object
- String, Null, Number and Object
- Null, Number, Object and String

Right answer.

Q.33. What is the feature of Stored Procedure?

- Stored Procedure increases the performance of the applications. Once stored procedures are created, they are compiled and stored in the database.
- Stored procedure reduces the traffic between application and database server. Because the application has to send only the stored procedure's name and parameters instead of sending multiple SQL statements.
- Stored procedures are reusable and transparent to any applications.
- All of the above

Right answer.

Q.34. Which of the following represent column in NoSQL _____

- Field
- Database
- Collection
- Document

Right answer.

Q.35. Which one of the following provides the ability to query information from the database and to insert tuples into, delete tuples from, and modify tuples in the database?

- DML(Data Manipulation Langauge)
- DDL(Data Definition Langauge)
- Query
- Relational Schema

Right answer.

Q.36. Which of the following statement(s) is TRUE regarding subqueries?

- Inner queries in WHERE clause can contain ORDER BY
- Outer query and inner query can get data from different tables
- Outer query and inner query must get data from the same table
- Inner queries cannot contain GROUP BY clause

Right answer.

Q.37. Third normal form is based on the concept of _____

- Closure Dependency
- Normal Dependency
- Transitive Dependency
- Functional Dependency

Wrong answer.

Right answer : Transitive Dependency

Q.38. What does BLOB in SQL stand for?

- Binary Large Objects
- Big Large Objects
- Binary Language for Objects
- None of the above

Right answer.

Q.39. In MongoDB document '_id' uses how many bytes of storage?

- 12 bytes
- 8 bytes
- 16 bytes
- 32 bytes

Right answer.

Q.40. Which ACID property specifies that once the transaction is committed, its permanent even in case of power failures?

- Atomicity
- Consistency
- Isolation
- Durability

Right answer.

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