1　　Transactions include all DML statements before and after COMMIT statements.

False

True

2　　Which is NOT a constraint in SQL?

Unique

Null

Primary Key

Foreign Key

3　　Which SQL contraint will create a value in the row if no value is provided?

DEFAULT

CHECK

NOT NULL

PRIMARY KEY

1　　Which SQL sublanguage is used to define tables, schema, and databases?

4

DDL

DML

DCL

TCL

5   Which SQL sublanguage is used to create and interact with rows in a table?

DDL

DML

DCL

TCL

6   Which SQL sublanguage is used to manage the state of a transaction?

DDL

DML

DCL

TCL

7   Which command filters out records from the given query based on applying a condition to each and every record?

WHERE.

SELECT.

HAVING.

GROUP BY.

8   What does SQL stand for?

Standalone Query Language

Standalone Query Lambdas

Structured Query Language

Structured Query Lambdas

9   Which of the following SQL datatypes is best used to represent a decimal number?

INTEGER

SMALLINT

TIMESTAMP

NUMERIC

10   Which of the following SQL datatypes is best used to represent one or more characters?

NUMERIC

VARCHAR

IMAGE

CHAR

11   SQL is used to create

Relational Databases

Functions

API servers

All of the above

12 Different dialects of SQL have different, unique data types.

True

False

13 DBMS

A database management system (DBMS) is a

hardware system used to create, maintain, and provide controlled access to a database.

hardware system used to create, maintain, and provide uncontrolled access to a database

software system used to create, maintain, and provide controlled access to a database

software system used to create, maintain, and provide uncontrolled access to a database.

14 Which pieces of information do you need to connect to a SQL Database

Database user's username

Database user's password

12 **Internal IP address of Database**

Full host address for Database

Database Name

The project, region and zone of the database

15　The CREATE operation is categorized under which SQL sublanguage?

DML

DQL

DDL

DCL

16　The UPDATE operation is categorized under which SQL sublanguage?

DML

DQL

DDL

DCL

17   What is an inner join of two tables in SQL?

Intersection of two tables based on the common fields

Refers to inclusion of all the rows in left table and intersection of left and right table

Refers to inclusion of all the rows in right table and intersection of left and right table

None of the above

18   Which query matches the criteria?

DISPLAY THE NAMES OF ALL EMPLOYEES WORKING AS CLERKS AND DRAWING A SALARYMORE THAN 3000.

SELECT ENAME FROM EMP WHERE JOB == 'CLERK' AND SAL>3000;

SELECT ENAME FROM EMP WHERE JOB like '%CLERK%' AND SAL>3000;

SELECT ENAME FROM EMP WHERE JOB='CLERK' AND SAL>3000;

SELECT ENAME FROM EMP WHERE JOB = 'CLERK' OR SAL>3000;

19   SQL Query to delete all rows in a table without deleting the table

SQL Query to delete all rows in a table without deleting the table :

DELETE FROM table_name;

DROP TABLE table_name;

TRUNCATE TABLE table_name

ALL OF THE ABOVE

20   A column marked PRIMARY KEY is implicitly:

unique

final

serial

foreign key

not null

default

21   Referential integrity is the idea that:

All columns and tables must have unique names and may not be referenced using an alias.

Primary key and foreign key columns must be immutable.

A query run in a transaction should not interact with changes to the database taking place outside the transaction.

Foreign keys data must always reference a valid row.

22   Select the operations which are a part of TCL:

REVOKE

BEGIN

ROLLBACK

RETURN

SAVEPOINT

COMMIT

23   Select the operations which are a part of DCL:

GRANT

UPDATE

ALTER

REMOVE

REVOKE

24   This join type will include only rows with matching data from the adjoined tables.

CROSS JOIN

FULL OUTER JOIN

LEFT OUTER JOIN

INNER JOIN

25   Interfaces of JDBC

Which of these is NOT an interface in JDBC?

Connection

Statement

PreparedStatement

CallableStatement

ExecutableStatement

26   Statement

is not vulnerable to SQL injection because you can use parameterized inputs and it pre-
compiles the SQL

False

True

27   CallableStatement

Use to call a

stored procedure

function

SELECT statement

none of the above

28   Transaction management

Which interface is responsible for transaction management?

ResultSet

Connection

Statement

PreparedStatement

CallableStatement

29   Which of the following encapsulates an SQL statement which is passed to the database to be parsed, compiled, planned and executed?

DriverManager

JDBC driver

Connection

Statement

Explanation : Statement encapsulates an SQL statement which is passed to the database to be parsed, compiled, planned and executed.

30   Which of the following holds data retrieved from a database after you execute an SQL query using Statement objects?

ResultSet

Explanation : ResultSet holds data retrieved from a database after you execute an SQL query using Statement objects.

JDBC driver

Connection

Statement

31   How would you delete a table?

DELETE TABLE

DROP TABLE

DEL TABLE

REMOVE TABLE

32   Select the line of code required to make a database connection in JDBC.

Driver.getConnection(url, user, password)

DriverManager.connect(url, user, password)

DriverManager.getConnection(url, user, password**)**

Manager.getConnection(url, user, password**)**

33 JDBC Exceptions

JDBC statements throw which exception

IOException

JDBCConnectionException

SQLException

SQLSyntaxException

34 How can you retrieve all rows from a database table called TRAINEE including ...

How can you retrieve all rows from a database table called TRAINEE including all columns?

SELECT * IN TRAINEE

SELECT * FROM TRAINEE

SELECT % FROM TRAINEE

RETRIEVE ALL FROM TRAINEE

35 How do you add a column to the table?

CHANGE TABLE table_name ADD column_name datatype

ALTER COLUMN column_name SET datatype

ALTER TABLE table_name ADD column_name datatype

ADD COLUMN IN table_name SET column_name datatype

36   How do you add a record to a table?

PUT INTO TABLE_NAME VALUES(___ , ___ , ___ , ___)

INSERT INTO TABLE_NAME VALUES(___ , ___ , ___ , ___)

SAVE TABLE_NAME VALUES(___ , ___ , ___ , ___)

UPDATE TABLE_NAME SET ROW VALUES(___ , ___ , ___ , ___)

37   In a one-to-many relationship, rows in one table can refer to multiple rows in another, but that other table can only refer to at most one row in the former table

TRUE

Explanation : Correct.

FALSE

Explanation : Incorrect.

38   In a one-to-one relationship, a record in one table can at most refer to one record in another table.

TRUE

Explanation : Correct.

FALSE

Explanation : Incorrect.

39   The SQL UPDATE statement can...

Update only one row at a time

Update multiple rows at a time

Delete a row based on a where clause

Update the current system time of the database

40   Amazon RDS

RDS is...

a managed relational database service hosted on Amazon EC2. It can handle provisioning, patching, backup, recover, failure detection, and repair.

a relational database service that allows you to quickly deploy one of six different relational databases onto an Amazon EC2.

a relational database service that allows you to quickly deploy one of six different relational databases onto an Amazon EC2 along with automatic backups.

The virtual hardrive that attaches to your EC2.