WORKSHEET 7 SQL

Q1 and Q2 have one or more correct answer. Choose all the correct option to answer your question.

1. The primary key is selected from the
   B. Candidate keys

2. Which is/are correct statements about primary key of a table?
   B. Primary keys cannot contain NULL values… C. A table can have only one primary key with single or multiple fields….

Q3 to Q10 have only one correct answer. Choose the correct option to answer your question.

3. Which SQL command is used to insert a row in a table?
   C. Insert

4. Which one of the following sorts rows in SQL?
   C. ORDERBY

5. The SQL statement that queries or reads data from a table is
   C. SELECT

6. Which normal form is considered adequate for relational database design?
   C. 3NF

7. SQL can be used to
   D. Query database data only

8. SQL query and modification commands make up
B. DML

9. The result of a SQL SELECT statement is a(n).
   B. Table

10. Second normal form should meet all the rules for
   A. 1 NF

Q11 to Q15 are subjective answer type questions, Answer them briefly.
11. What are joins in SQL?
→ A SQL Join statement is used to combine data or rows from two or more tables based on a common field between them.

12. What are the different types of joins in SQL?

→ Here are the different types of the JOINs in SQL:

- (INNER) JOIN: Returns records that have matching values in both tables
- LEFT (OUTER) JOIN: Returns all records from the left table, and the matched records from the right table
- RIGHT (OUTER) JOIN: Returns all records from the right table, and the matched records from the left table
- FULL (OUTER) JOIN: Returns all records when there is a match in either left or right table

13. What is SQL Server?
→ Microsoft SQL Server is a relational database management system developed by Microsoft. As a database server, it is a software product with the primary function of storing and retrieving data as requested by other software applications—which may run either on the same computer or on another computer across a network.

14. What is primary key in SQL?
→ The PRIMARY KEY constraint uniquely identifies each record in a table. Primary keys must contain UNIQUE values, and cannot contain NULL values. A table can have only ONE primary key; and in the table, this primary key can consist of single or multiple columns (fields).

15. What is ETL in SQL?
→ ETL stands for Extract, Transform and Load, which is a process used to collect data from various sources, transform the data depending on business rules/needs and load the data into a destination database.