**~~MID TERM~~**

Q1- What is Databases? Give 5 examples?

ANS-Its a software which stores data. A database is a collection of data that is organized in a manner that facilitates ease of access, as well as efficient management and updating.A database is made up of tables that store relevant information.The data is organized in a way it can easily be retrieved, managed and edited in significant ways by the end-user. The Data can be numbers, images, video,personal information about clients or customers. It could also be inventory, sales, calls or anything anyone needs to track. It’s up to the user to determine what data needs to be aggregated and the format it will take. Here are the 5 examples which elaborates databases…

* Mysql
* Mssql
* MongoDb
* Postgresql
* Oracle database

Q2- Is Web development without database is possible? Explain ?

ANS- Web development consists of 2 parts the first one is front end and the second is back end, talking about the front end the developers only need to have a knowledge to create an interactive user interface which does not include database because the developers build a static web page which need not to have a database. If one is a Front end developer they must have a knowledge of following languages {HTML,CSS,Javascript}

On the other hand talking about the back end development it is all about database and connectivity with the frontend. backend developers need to have knowledge of all the necessary tools , software and languages{mysql,mongodb etc} which are used to create a database of the webpage which the front developer create.

So,the web development is a broad concept ,the database is the integral part of it, but as I mentioned above front end is possible without database but if we see the whole concept of web development it is not possible without database . Because without database the developer will only be able to create static websites which are not that effective nowadays so to create a dynamic websites which interact with the user to get the information from the user and give the desired information to the user so for this we need to have a **database .**

Q3- Suppose, we want to display all the data from student table. Select the correct answer?

a) SELECT student\_name FROM student;

b) SELECT phone\_number FROM student;

c) SELECT \* FROM student;

Q4- What are joins in SQL? Name there types and explain 2 of them.

**ANS-** A JOIN clause is used to combine rows from two or more tables, based on a related column between them.

Here are the different types of the JOINs in SQL:

* **(INNER) JOIN**
* **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**

Q5- SQL comand to drop a table from the database?

1. ANS- **DROP TABLE** table\_name;
2. Example. **DROP TABLE** Shippers;
3. TRUNCATE **TABLE** table\_name;