Bol Ghak\_SQL\_Definitions.docx

�� Part 1: **Theory – Word Document** (10 Marks)

In your Word document, write short definitions (2–3 lines each) for the following terms:

1. **What is a Database?**

It is collection of an organized data stored and accessed electronically

1. **What is a Table in a Database**?

Table is a structured collection of an organized data into rows and columns, used stored and manage information in the relation databases.

1. **What is SQL?**

It stands for Structured Query Language. It is used for manipulation and managing of relational databases.

1. **What is a Primary Key?**

It is a column or set of columns that uniquely identifies each row in the table.

1. **What is a SELECT query?**

It is a SQL statement that is used to retrieved the data from tables.

1. **What is a WHERE clause used for?**

It is used for specifying the condition that is required in the output in the specific column of the result in the table.

1. **What is the purpose of the DISTINCT keyword?**

It is used to retrieved a unique row from the table query, in which it eliminates the duplicate rows or data in the table.

1. **What is an Alias in SQL?**

It is used for renaming the variables or column names in the table queries.

1. **What is the ORDER BY clause used for?**

It is to sort data or results of queries in an ascending or descending order based on specific or many columns.

1. **What are SQL Functions? Give examples of any two.**

SQL functions are predefined operations that perform calculation or data manipulation within SQL queries. E.g. SUM () and COUNT () function.