Please answer all the questions accordingly and submit the solution.

**You have been hired as a database administrator for a company that stores customer information in a MySQL database. The company has noticed some data inconsistencies and wants you to implement constraints to improve data quality. Your task is to design and implement the necessary constraints in the MySQL database.**

**Ques 1-Design a MySQL database schema that includes at least four tables (e.g. customers, orders, products, categories) with appropriate relationships.**

**Ques 2-For each table, define appropriate constraints to ensure data consistency and integrity. This should include constraints such as NOT NULL, UNIQUE, PRIMARY KEY, FOREIGN KEY, CHECK, etc.**

**Ques-3 Write SQL queries to create the tables and add sample data to them.**

**Ques 4-Write SQL queries to test the constraints you have implemented. This should include testing for constraint violations and verifying that data is being inserted and modified correctly.**