MAHARAJA AGRASEN INSTITUTE OF TECHNOLOGY

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

DATABASE MANAGEMENT SYSTEMS LAB (ETCS-256)

List of Experiments:

1. Draw E-R diagram and convert entities and relationships to relation table for a given scenario.

    a. Two assignments shall be carried out i.e. consider two different scenarios (e.g. bank, college)

2. Design a Database and create required tables. For e.g. Bank, College Database

3. Perform the following:

    a. Viewing all databases, creating a Database, viewing all Tables in a Database, Creating Tables (With and Without Constraints),

    b. Inserting/Updating/Deleting Records in a Table, Saving (Commit) and Undoing (rollback)

4 . Perform the following:

    a. Altering a Table, Dropping/Truncating/Renaming Tables, backing up / Restoring a Database.

5 . For a given set of relation schemes, create tables and perform the following :

    a. Simple Queries, Simple Queries with Aggregate functions, Queries with Aggregate functions (group by and having clause), Queries involving- Date Functions, String Functions , Math Functions
    b. Join Queries- Inner Join, Outer Join Subqueries- With IN clause, With EXISTS clause

6. Write the queries to implement the concept of Integrity constrains

7. For a given set of relation tables perform the following :

    a. Creating Views (with and without check option), Dropping views, Selecting from a view

8. Perform the queries for triggers

9. Write a Pl/SQL program using FOR loop to insert ten rows into a database table.

10. Perform the following operation for demonstrating the insertion, updation and deletion using the

referential integrity constraints