**A] Create statement**

1. Create a database by name test<rno> eg. test329
2. Open database test<rno>
3. Create following tables in database test<rno>
4. **Books with fields**

 Accession No. (accno), integer with size 8 and its unique field

 Book title (title), variable character with size 50

Author name (author), variable character with size 50, field should not remain blank

Book price (cost), decimal with 10 integer and 2 decimal, set default value 0

1. **Members with fields**

Member id (id), small integer with size 3 and its unique field

Member name (mname), variable character with size 10, this field should not be null

**B] Alter, Rename and Change**

1. Add new column status in table books with criteria to accept data ‘onshelf’ or ‘issued’ only
2. Add new column publisher after column author with data type variable character & size 10
3. Add new field gender with appropriate data type and criteria to accept data ‘M’, or ‘F’ only
4. Rename field cost with price and do not allow user to accept negative value in the column.
5. Rename the table Members to Membership
6. Rename the table Books to Journals

**C] Display & Describe**

1. Display the list of databases
2. Display the list of tables from test<rno> database
3. Display the structure of table Journals
4. Display the structure of table Membership

**D] Drop**

1. Delete column member name from table membership
2. Delete table membership
3. Delete database test<rno>

**Answer sheet**

1. Create database test329;
2. use test329;
3. Create table books

(accno int(8) primary key,

title varchar(50),

author varchar(50) not null,

cost decimal(10,2) default 0);

1. Create table members

(id smallint(3) primary key,

mname varchar(10) not null);

1. alter table books add column status enum('onshelf','issued');
2. alter table books add column publisher varchar(10) after author;
3. alter table members add column gender enum('M','F');
4. alter table books change column cost price decimal(10,2) unsigned default 0;
5. rename table members to membership;
6. rename table books to journals;
7. show databases;
8. show tables;
9. desc Journals;
10. desc Membership;
11. alter table membership drop column mname;
12. drop table membership;
13. drop database test329;