1.

mysql> create database du\_library;

mysql> create table LibraryBooks(

    -> Accession\_Number decimal(20,10) primary key,

    -> Title varchar(25) not null,

    -> Author varchar(50) not null,

    -> Department varchar(50) not null,

    -> Purchase\_Date date not null,

    -> Price decimal(5,2) not null);

mysql> Create table IssuedBooks(

    -> Accession\_Number decimal(20,10) not null,

    -> Borrower Varchar(30) not null

    -> foreign key (Accession\_Number) references LibraryBooks(Accession\_Number));

Q (a)Primary Key- Accession\_Number in table LibraryBooks

        Foreign Key- Accession\_Number in table IssuedBooks

mysql> insert into LibraryBooks values(56127.72,"Introduction to Matrices","S.C. Gupta","Statistics",'1997-01-12',110.00);

mysql> insert into LibraryBooks values(27282.56,"Database System Concepts","Bharat Kumar Singh","CS",'2001/05/30',820.00);

mysql>  insert into LibraryBooks values(921.4895,"Fundamental of Statistics","V.K. Kapoor","Statistics",'2005/03/31',590.00);

mysql> insert into LibraryBooks values(76389.4647,"Programing in R","Navathe","CS",'2002/07/21',479.00);

mysql> insert into LibraryBooks values(6737.84,"Discrete Maths","R. Kapoor","Mathematics",'1999/09/04',430.00);

mysql> insert into IssuedBooks values( 27282.56,"Amar Pal");

mysql> insert into IssuedBooks values( 921.4895,”Gargi Sanwal");

mysql> insert into IssuedBooks values( 6737.84,"Rishabh Kinger");

mysql> insert into IssuedBooks values( 27282.56,”Nupur Jha");

mysql> insert into IssuedBooks values( 76389.4647,"Aditya Rikhari");

Q(b) mysql> set foreign\_key\_checks=Off;

        mysql> delete from issuedbooks where accession\_number=27282.56;

        mysql> delete from librarybooks where title="Database System Concepts";

        mysql> set foreign\_key\_checks=on;

Q(c) mysql> update librarybooks set department="CS" where title="discrete maths";

Q(d) mysql> select Title from librarybooks where department="CS";

Q(e) mysql> select Title from librarybooks where department="CS" and author="navathe";

Q(f) mysql> select Title from librarybooks l, issuedbooks i where l.accession\_number=i.accession\_number and l.department="CS";

Q(g) mysql> select Title from librarybooks where price<500 and purchase\_date between '1999/01/01' and '2004/01/01';