**Ques 1.**

**mysql> create database du\_library;**

**mysql> create table LibraryBooks(**

**-> Accession\_Number decimal(10,5) primary key,**

**-> Title varchar(30) not null,**

**-> Author varchar(50) not null,**

**-> Department varchar(50) not null,**

**-> Purchase\_Date date not null,**

**-> Price decimal(7,2) not null);**

**mysql> Create table IssuedBooks(**

**-> Accession\_Number decimal(10,5) not null,**

**-> Borrower Varchar(30) not null**

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

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

**Foreign Key- Accession\_Number in table IssuedBooks**

**mysql> insert into LibraryBooks values(51235.56,"Introduction to**

**Matrices","S.C. Gupta","Statistics",'1997-01-12',105.00);**

**mysql> insert into LibraryBooks values(21826.46,"Database System Concepts","Sumitra Arora","CS",'2003/05/30',620.00);**

**mysql> insert into LibraryBooks values(121.4345,"Fundamental of Statistics","V.K. Kapoor","Statistics",'2002/03/31',550.00);**

**mysql> insert into LibraryBooks values(76389.4647,"Play with Python","Navathe","CS",'2002/06/21',499.00);**

**mysql> insert into LibraryBooks values(6737.84,"Discrete Maths","M.L.Aggrawal","Mathematics",'1999/08/04',450.00);**

**mysql> insert into IssuedBooks values( 21826.46,"Vinay Kumar Singh");**

**mysql> insert into IssuedBooks values( 121.4345,"Vasav Choudhary");**

**mysql> insert into IssuedBooks values( 6737.84,"Utkarsh mathur");**

**mysql> insert into IssuedBooks values( 21826.46,"Aryan raghuvanshi");**

**mysql> insert into IssuedBooks values( 76389.4647,"Jatin Choubey");**

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

**mysql> delete from librarybooks where accession\_number=21826.46;**

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

**mysql> set foreign\_key\_checks=on;**

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

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

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

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

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