NAME-SAMRIDDHI SONI

ROLL NO.-20191232

SUBJECT-DBMS

B.Sc. STATISTICS

Q.1)

mysql> create database du\_library;

mysql> use du\_library;

mysql> create table LibraryBooks(

-> Accession\_Number decimal(15,10) not null,

-> 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,

-> primary key Accession\_Number);

mysql> Create table IssuedBooks(

-> Accession\_Number decimal(15,10) 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(52344.88,"Fundamental of Mathematical Statistics","V.K.Kapoor","Statistics",'2002/03/31',550.0);

mysql> insert into LibraryBooks values(76389.4647,"Programing in Python","Sheetal Taneja","CS",'2010/09/21',300.00);

mysql> insert into LibraryBooks values(51235.56,"Introduction to Matrices","S.C. Gupta","Statistics",’2000/09/01,110.00);

mysql> insert into LibraryBooks values(21826.46,"Database System Concepts", “Navathe”,"CS",'2001/05/30',620.00);

mysql> insert into LibraryBooks values(12134.84,"Discrete Maths","R.Sharma", “Mathematics",'1999/09/04',450.00);

mysql> insert into IssuedBooks values(12134.84,"Tara Singh");

mysql> insert into IssuedBooks values(21826.46, "Vaidehi Mittal");

mysql> insert into IssuedBooks values(52344.88 ,"Kunika Agarwal");

mysql> insert into IssuedBooks values (76389.4647,"Lavya Joshi");

mysql> insert into IssuedBooks values( 76389.4647,"Unnati Gupta");

(b)

mysql> set foreign\_key\_checks=Off;

mysql> delete from issuedbooks 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’;