Name : Vrinda Rawal

Course : Bsc Hons Statistics 1st year

Roll no : 20191243

1. Create database library;

use library;

Create table library\_books (

Accession\_number int primary key,

Title varchar(50) not null,

Author varchar(50) not null,

Department varchar(50) not null,

Purchase\_date date not null,

Price decimal(7,2) not null);

Create table issued\_books (

Accession\_number int not null,

Borrower varchar(50) not null,

Foreign key (accession\_number) references library\_books(accession\_number));

1. Primary key : accession\_number in table library\_books

foreign key : accession\_number in table issued books

Insert into library\_books values

(1, ‘Discrete Maths’, ‘Navathe’, ‘Maths’, ‘1999-02-05’, 550),

(2, ‘Database System Concepts’, ‘Sudarshan S’, ‘CS’, ‘2001-11-07’, 450),

(3, ‘Fundamentals of Mathematical Sciences’, ‘SC Gupta’, ‘Statistics’, ‘2005-10-04’,300),

(4, ‘Programming Language of Oracle’,’Bayross’, ‘CS’, ‘2003-05-12’, 600),

(5, ‘Fundamentals of Database System’, ‘Navathe’, ‘CS’, ‘2007-12-24’, 200) ;

Insert into issued\_books values

(1, ‘Helen’),

(2,’Henry’),

(3,’John’),

(2,’Jake’),

(5,’Kelen’) ;

1. Delete from library\_books where title=’Database System Concepts’;
2. Update library\_books set department=’CS’ where title = ‘Discrete Maths’;
3. Select title from library\_books where department=’CS’;
4. Select title from library\_books where department=’CS’ and author=’Navathe’;
5. select library\_books.title from library\_books join issued\_books on library\_books.accession\_number = issued\_books.accession\_number where department=’CS’ ;
6. select title from library\_books where price<500 and purchase\_date>’1999-01-01’ and purchase\_date < ‘2004-01-01’ ;