**Section 2**

1)

|  |  |  |
| --- | --- | --- |
| **Table Name** | **Primary Key(PK)** | **Foreign Key(FK)** |
| **Student** | SID | CID |
| **Offers** | CID,Mcode | CID,Mcode |
| **Module** | Mcode | ------- |
| **Course** | CID | ------- |

2)

1. Module
2. Course
3. Student
4. Offers

3)

create table Course (

CID char(6),

Cname varchar(50),

C\_Description varchar(200),

C\_Fee int,

constraint course\_pk primary key (CID)

);

create table Student (

SID char(10),

Sname varchar(50),

Address varchar(50),

dob date,

NIC char(10),

CID char(6),

constraint student\_pk primary key (SID),

constraint student\_fk foreign key (CID) references Course(CID)

);

create table Module (

Mcode char(6),

Mname varchar(50),

M\_Description varchar(200),

NoOfCredits int,

constraint Module\_pk primary key (Mcode)

);

create table Offers (

CID char(6),

Mcode char(6),

Accadamic\_year char(2),

Semester int,

constraint offers\_pk primary key (CID,Mcode),

constraint offers\_cid\_fk foreign key (CID) references Course(CID),

constraint offers\_mcode\_fk foreign key (Mcode) references Module(Mcode)

);

4)

ALTER is used to create new columns in a table while DROP is used to delete columns in a table.

5)

* alter table Student

add constraint student\_chk check(NIC) LIKE '(0-9)(0-9)(0-9)(0-9)(0-9)(0-9)(0-9)(0-9)(0-9)(v-V)')

* alter table Module

add constraint module\_chk check(NoOfCredits) like ‘1,2,3,4’