SQL Commands

A)Patient Table-

```
Create table Patient( P_id int primary key,
Name varchar(35) not null,
Gender varchar(10) not null,
Mob_no bigint unique not null,
City varchar(40) not null,
Age int not null,
DOB date not null);
```

B)MEDICAL HISTORY-

```
create table Medical_history( Diagnosis_id int primary key,
 P_id int not null,
 D_id int not null,
 Diagnosis_name varchar(40) not null,
Allergy varchar(35) not null,
Medication_name varchar(50) not null,
Dosage varchar(50) not null,
 foreign key (p_id) references patient (P_id),
 foreign key (d_id) references doctor(D_id));
```

c) DOCTOR-

```
 create table Doctor( D_id int primary key,
Name varchar(35) not null,
Speciality varchar(35) not null);
```

D) ENCOUNTER RECORD-

```
 create table Encounter_Record( Encounter_Id int primary key,
```

P_id int not null,

type varchar(40) not null,

Date date not null,

Details varchar(40) not null,

foreign key (P_id) references patient (P_id));

E)DIAGNOSTIC_TEST TABLE:-

create table Diagnostic_test(Test_id int primary key,

p_id int not null,

date date not null,

type varchar(40) not null,

result varchar(40) not null,

foreign key (p_id) references patient (p_id));

F)OTHER_STAF-

create table Other_staff(staff_id int primary key,

Name varchar(40) not null,

Designation varchar(40) not null);

G)PRESCRIPTION-

create table prescription(Prescription_id int primary key,

P_id int not null,

D_id int not null,

Medication varchar(50) not null,

Dosage varchar(50) not null,

foreign key (p_id) references patient (p_id),

foreign key (d_id) references doctor (d_id));

H) PROCEDUREE-

create table procedure(Procedure_id int primary key,

P_id int not null,

Procedure_name varchar(40) not null,

Details varchar(40) not null,

foreign key(p_id) references patient(p_id));

I) SURGERY-

create table surgery(surgery_id int primary key,

p_id int not null,

d_id int not null,

Surgery_type varchar(80) not null,

Date date not null,

S_id int not null

foreign key (p_id) references patient (p_id),

foreign key (d_id) references doctor (d_id),

foreign key (s_id) references patient (staff_id),

)

SQL Insert Commands

1)Patient-

insert into patient

values

(1,"Garima sen","Female",1234567890,"Pune",35,"1980-05-15"),

(2,"John Smith","Male",9876543210,"Chennai",29,"1975-09-22"), (3,"Michael Brown","Male",5555555555,"Delhi",33,"1992-03-10"), (4,"Emily Davis","Female",4444444444,"Mumbai",27,"1988-11-30"), (5,"Sarah Lee","Female",3333333333,"Jaipur",43,"1970-07-07"), (6,"David Wilson","Male",2222222222,"Amritsar",30,"1995-01-20"), (7,"Jessica Clark","Female",1111111111,"Goa",45,"1984-12-25"), (8,"Robert

Taylor","Male",6666666666,"Kashmir",46,"1978-08-18"), (9,"Alexander Hunold","Male",7777777777,"Mumbai",56,"1965-04-03"), (10,"Steven King","Male",8888888888,"Pune",34,"1990-06-12");

2) Doctor-

insert into doctor

values

(101,"Dr.Neena Kochhar","Asthama"),

(102," Dr.John Davis","Pscychology"),

(103," Dr.Sarah Brown","Diabetes"),

(104," Dr.Robert King","Migrane"),

(105," Dr.Diana Smith","Thyroid"),

(106," Dr.Valli Pataballa","Arithritis"),

(107," Dr.Daniel Lorentz","Depression"),

(108," Dr.Jane Doe","Gastroenterology"),

(109," Dr.sarah lee","Orthopady"),

(110," Dr.Bruce Ernst","Lipidology")

3)Medical History-

insert into Medical_history

values (

1,1,101,"Asthma","None ","Albuterol","2 Times Daily"),
(2,2,102,"Hypertension","Penicillin","Lisinopril ","3- Times a day"),

(3,3,103,"Diabetes","Sulfa Drugs","Insulin","2 Times Daily"),
(4,4,104,"Migraine","NSAIDs","Sumatriptan","2 Times Daily"),
(5,5,105,"Hypothyroidism","Shellfish","Levothyroxine","2 Times Daily"),
(6,6,106,"Arthritis","Peanuts","Naproxen","1 time daily"),
(7,7,107,"Depression","None","Sertraline","2 times daily"),

(8,8,108,"Acid Reflux","Aspirin","Omeprazole","3 times a day"),
(9,9,109,"Osteoporosis","None","Alendronate","1 time daily"),

(10,10,110,"High Cholesterol","Statins","Atorvastatin","3 times daily")

4)Encounter Record-

```
insert into encounter_record
values (
1,1,"Admit","2023-12-12","Asthma Exacerbation"),
(2,2,"Appointment","2022-03-10","Routine Check-up"),
(3,3,"Appointment","2024-03-15","Diabetes Follow-up"),
 (4,4,"Admission","2019-03-28","Migraine Treatment"),
(5,5,"Appointment","2021-11-02","Thyroid Function Test"),
 (6,6,"Admission","2024-03-22","Arthritis Management"),
(7,7,"Admission","2005-03-25","Depression Evaluation"),
 (8,8,"Admission","2024-01-17","GERD Symptoms Assessment"),
(9,9,"Appointment","2013-10-01","Osteoporosis Follow-up"),
(10,10,"Admission","2023-07-03","Cardiac Risk Assessment");
```

5)-Diagnostic Test-

```
insert into diagnostic_test
values
(1,1,"2023-12-12","Blood Pressure","120/80"),
(2,2,"2022-03-10","Pulmonary Function","Normal"),
(3,3,"2024-03-15","HbA1c","6.71%"),
 (4,4,"2019-03-28","MRI Brain ","No issues"),
(5,5,"2021-11-02","TSH","2.05 mIU/L"),
 (6,6,"2024-03-22","ESR","31 mm/hr"),
 (7,7,"2005-03-25","PHQ-9","14"),
 (8,8,"2024-01-17","Upper GI Endoscopy","Acid reflux"),
 (9,9,"2013-10-01","Bone Densitometry","-2.7 SD"),
(10,10,"2023-07-03","Lipid Panel","Elevated");
```

6)-Other Staff-

```
insert into other_staff
 values
(1,"Robert Lee","Ward boy"),
(2,"Emily Brown","Nurse"),
(3,"Maria Garcia","Nurse"),
(4,"Sarah Kim","Nurse"),
(5,"David Wilson","Ward boy"),
(6,"Jennifer Miller","Nurse"),
(7,"John Kim","Ward boy"),
(8,"Michael Taylor","Nurse"),
(9,"John Smith","Ward boy"),
(10,"Robert Smith","Ward boy");
```

7)Prescription-

```
insert into prescription
 values (1,1,101,"Albuterol","2 Times Daily"),
(2,2,102,"Lisinopril","3-Times a day"),
 (3,3,103,"Insulin","2 Times Daily"),
 (4,4,104,"Sumatriptan","2 Times Daily"),
(5,5,105,"Levothyroxine","2 Times Daily"),
(6,6,106,"Naproxen","1 time daily"),
 (7,7,107,"Sertraline","2 times daily"),
 (8,8,108,"Omeprazole","3 times a day"),
(9,9,109,"Alendronate","1 time daily"),
(10,10,110,"Atorvastatin","3 times daily");
```

8)-Procedure-

```
insert into procedure
 values
 (1,1,"Pulmonary Function Test","Assesment of lung function to diagnose asthma"),
```

(2,2,"Blood Pressure Check","Blood Pressure Check conducted"),

(3,3,"Insulin Injection","Insulin Injection conducted"),

(4,4,"Botox Injection Therapy","Botox injection therapy for migraine relief"),
(5,5,"Thyroidectomy","Performed total thyroidectomy due to thyroid cancer."),

(6,6,"Joint Aspiration","Conducted joint aspiration to relieve pain and swelling in the knees"),
(7,7,"Cognitive Behavioral Therapy","Conducted cognitive behavioral therapy session to address depression symptoms"),

(8,8,"EGD","Conducted EGD to evaluate and diagnose acid reflux symptoms."),

(9,9,"Calcium Infusion Therapy","Therapy to increase bone density and treat osteoporosis"),
(10,10,"Coronary Angiography"," Procedure to assess blockages due to high cholesterol.");

10)-Surgery-

insert into surgery

values (1,4,104," surgery to alleviate migraine symptoms.","2019-03-30"),

(2,6,106,"Surgery to remove inflamed synovial tissue","2024-03-25"),

(3,8,108,"surgery to treat gastroesophageal reflux disease","2024-01-19"),

(4,10,110,"Coronary Bypass Surgery","2023-07-05");