

UG Mid Sem Exam
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Branch: CSE - B

Subject: DBMS

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Qo1o

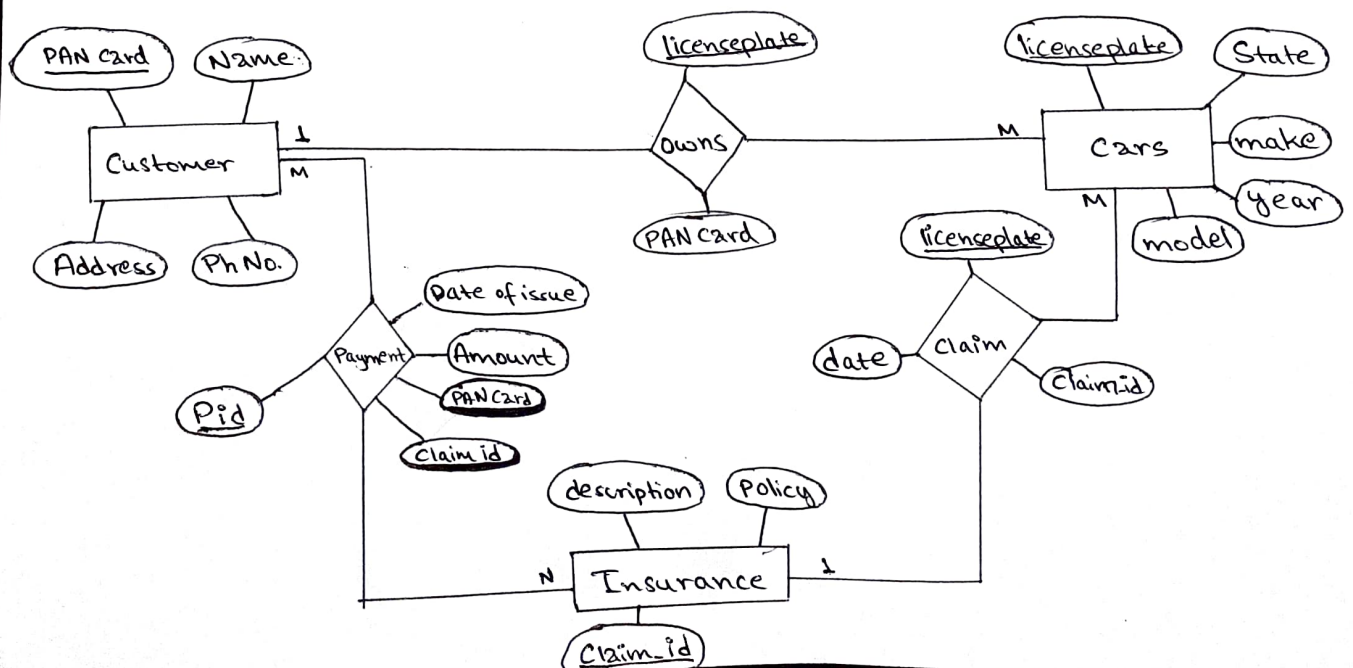
Ans: Entities : Customer → Attributes: PAN card (Primary key)
Name
Address
Phone Number.

Cars → Attributes: License plate (Primary key)
State
Model
Make
Year

(Relationship) Owns

(Relationship) Claim → Attributes: Claim id (Primary key)
Policy
description

ER Diagram



Qo4oAns :

- i) Attributes : An attribute refers to a database component or field, for instance a table.
- ii) Key Constraints : Key constraints are the entity set that uniquely identify the properties of database fields, for instance primary key, not NULL key, foreign key etc.
- iii) Mapping Cardinalities : It is the maximum number of relationship instances participated in by an entity, for example: one to one, one to many, many to one and many to many.
- iv) Referential Integrity Constraint : It is also known as a foreign key constraint. It is a logical rule about values in one ~~are~~ or more columns in one or more tables.
- v) Super Key : It is a set of those key that identify a row or a tuple uniquely.
for example : ~~Primary~~ Candidate keys.

Q.2.:

Ans: CREATE TABLE INSURANCE (claim-id INT PRIMARY KEY,
description VARCHAR(20),
policy VARCHAR(10))

CREATE TABLE CARS (licenseplate VARCHAR(10) PRIMARY KEY,
make VARCHAR(10)
year INT)

CREATE TABLE OWNS (licenseplate VARCHAR(10) PRIMARY KEY,
PAN card VARCHAR(10) .

FOREIGN KEY (licenseplate)

REFERENCES ~~customer~~ car

FOREIGN KEY (PAN card)

REFERENCES ~~customer~~

CREATE TABLE CUSTOMER(

Q.3.

Ans: SELECT name FROM customers
INNER JOIN car ON customers.id = car.ownerid &&
car.licenseplate = 'ASIID9216'
INNER JOIN Insurance ON car.insurance-no = 1116787.;