

# National Institute of Technology Meghalaya



## Assignment No: 01

**Student Name:** Subhasish Dutta

**Roll Number:** T23CS001

**Programme:** Master of Technology

**Department:** Computer Science & Engineering

**Semester:** 1

**Course Name:** ADVANCED DBMS LAB

**Course Code:** CS553

Date: 09/10/2023

## Assignment 01

Question No: 02

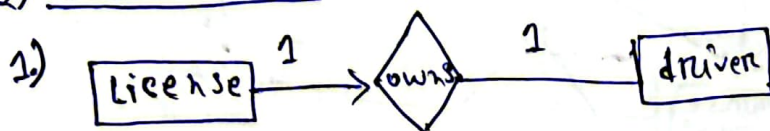
Answer:-

### 1) Entities

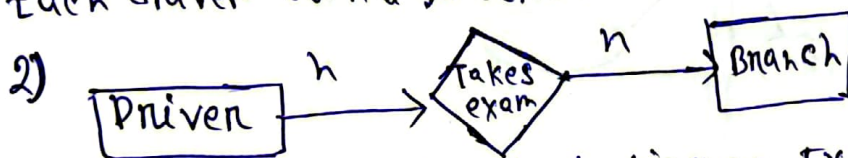
Driver  
Branch  
License  
Vehicle  
Loan

### 2) IDENTITY RELATIONSHIPS

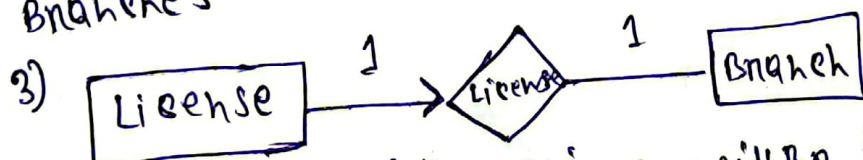
#### 1) Relationship



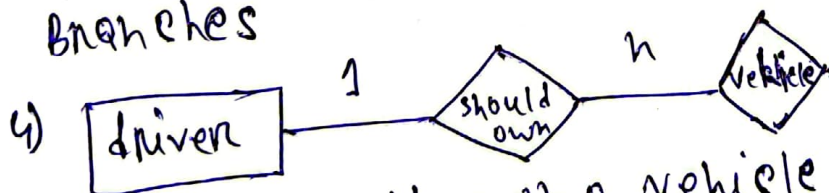
Each driver owns a license



Each Driver should attend license Exam from any of the Branches

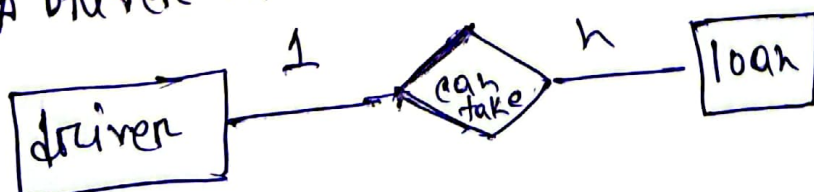


The license of the driver will be issued from each Branches



A driver should own a vehicle

5) A driver can also take loan to own the vehicle.



### Question NO: 03

Answer:- In the answer given here, the main entity sets are student, course, course-offering and instructor. The entity set course-offering is a weak entity set dependent on course. The assumptions made are:

- a class meets only at one particular place and time. This E-R Diagram cannot model a class meeting at different places at different times.
- There is guarantee that the database does not have two classes meeting at the same place and time.

