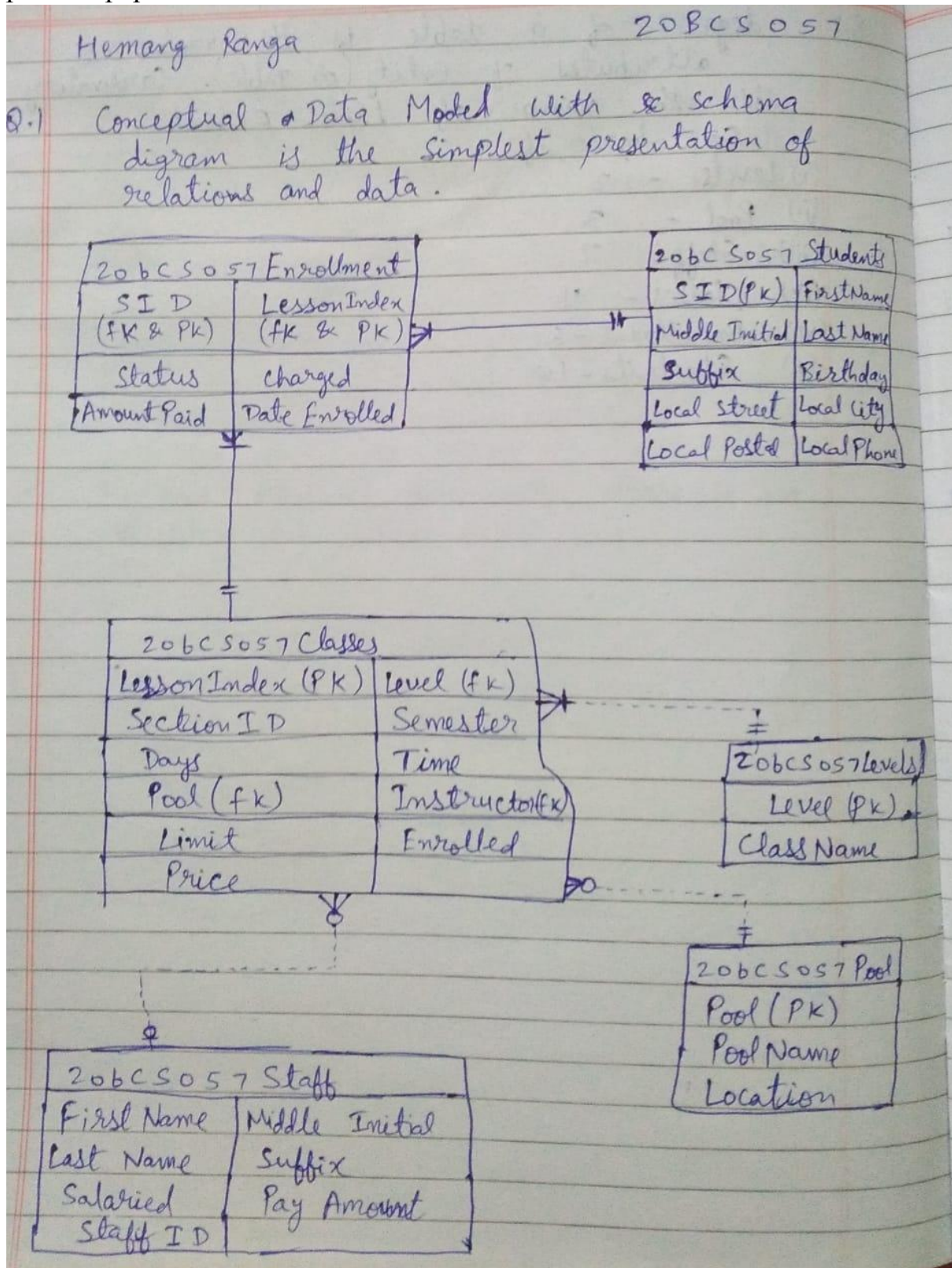# Hemang Ranga(20bcs057)

1)

I wasn't able to make a simple schema diagram from a website so I made it by pen and paper

2)

8.2   degree of a table is the number of attributes of entity (or table). Cardinality is the number of tuples present
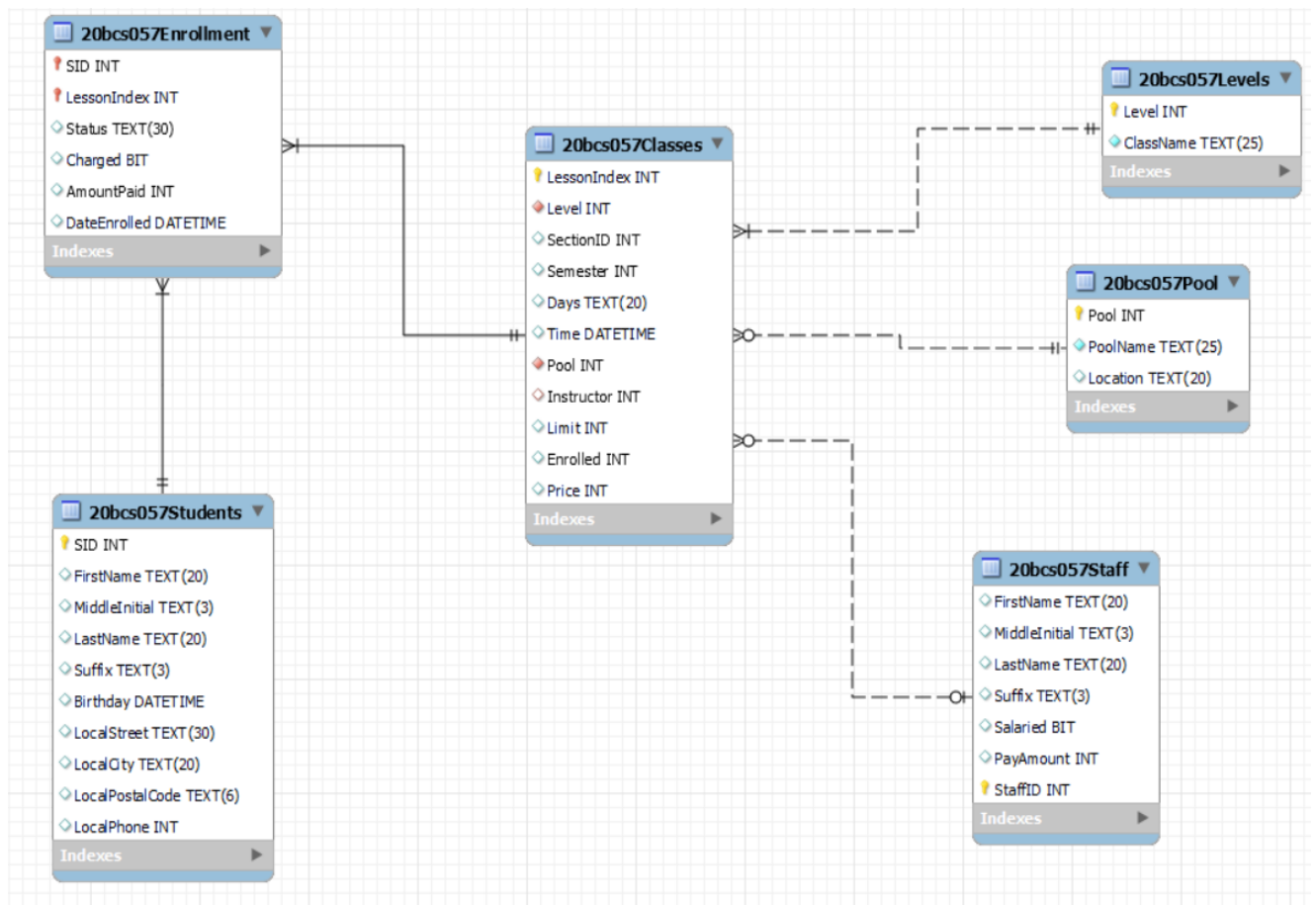
So degree of

(i) Levels - 2

(ii) Pool - 3

(iii) Staff = 7

(iv) Classes - 11

(v) Enrollment - 6

(vi) Students - 10

3) Physical Data Model(ERD) by Mysql

4)

and

5)

Q.4 A weak entity is that which can't be uniquely identified by it's own attributes. Or We can say it uses foreign key.

Here it Seems like Enrollment table is weak entity as it does not have it's own Primary but now by combining 2 fk it has it's own primary key now. Hence there is no weak entity.

Q.5 In our Physical data model there is no visible data redundancies.