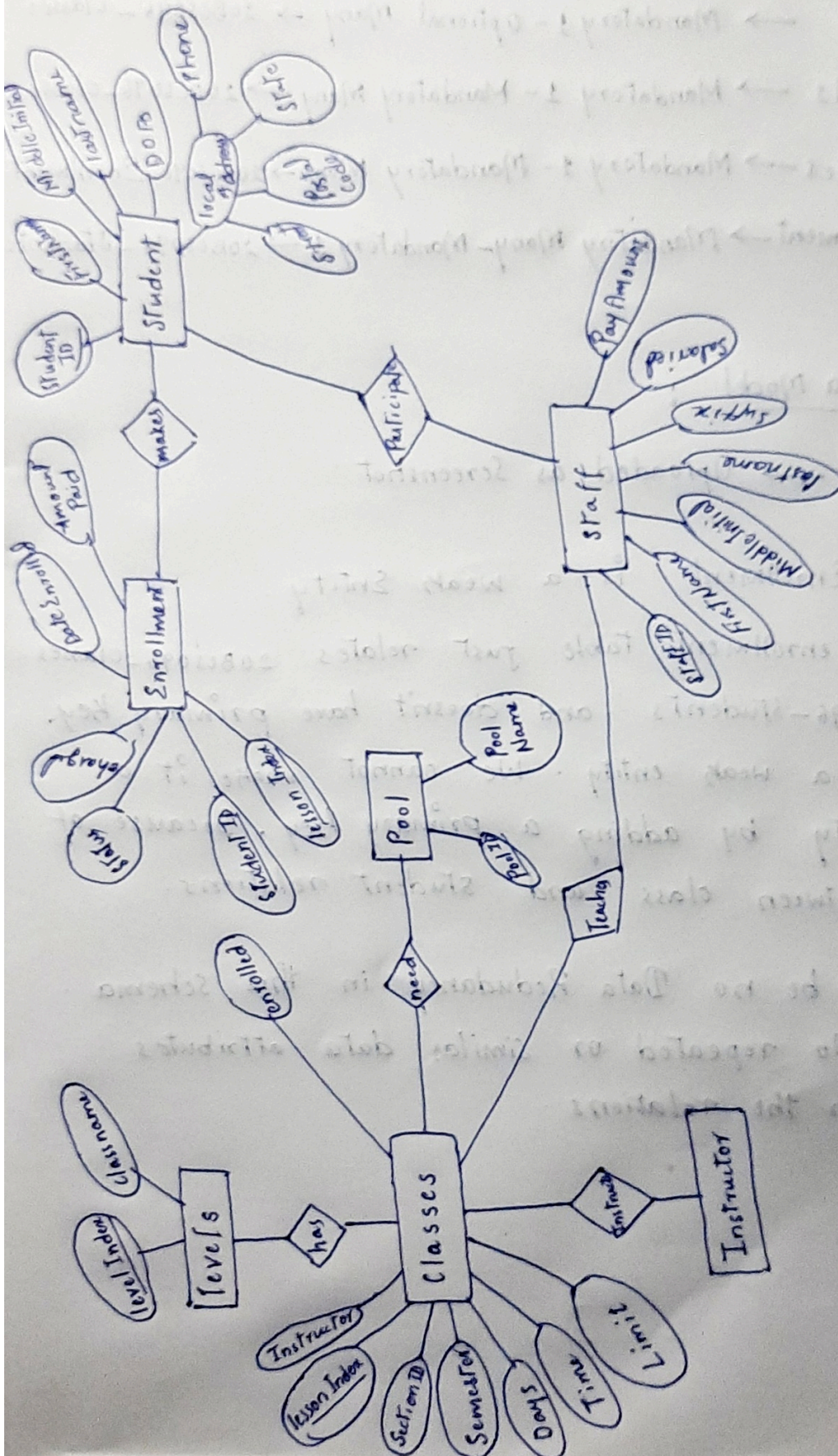


① Conceptual Schema :-



② Degree and Cardinality :-

- 20BCS096-Staff → Optional 1 - Optional Many → 20BCS096-classes
- 20BCS096-Pool → Mandatory 1 - Optional Many → 20BCS096-classes
- 20BCS096-Levels → Mandatory 1 - Mandatory Many → 20BCS096-classes
- 20BCS096-classes → Mandatory 1 - Mandatory Many → 20BCS096-Enrollment
- 20BCS096-Enrollment → Mandatory Many - Mandatory 1 → 20BCS096-students

③ Physical Data Model :

- ER-Design → Uploaded as Screenshot

④ 20BCS096-Enrollment is a weak Entity

→ Here, This enrollment table just relates 20BCS096-classes and 20BCS096-students and doesn't have primary key. So, It is a weak entity. We cannot make it a strong entity by adding a primary key. Because of relation between class and student relations.

⑤ There will be no Data Redundancy in this schema because No repeated or similar data attributes present in the relations.