20 march - 2020 Computer Science Ind Year (Monning) Subject - DBMS Relational Model Relational model was proposed by E.F cool to model data un the your of vilation or tables. After designing the Conceptual model of Database using Odegram, we need to convert the conceptual model in the vielational model. which can be by using any ROBMS langauge deke ORACLE, Sal, My Sal etc. represent how data es stored in relational databases. A felational statabase stories in the John of (tables). Consider a Relation STUDENT with attributed ROLL-NO, NAME, ADDRESS, PHONE and AGE shown in Table STUDENT

The state of the s				
ROLL No.	NAME	ADDRESS	PHONE	AGE
1	A	Quri	123 april	brodo
2	B	GILL	456	18
3	C	ROHTAR	789	19

D Deini 156

Important Terms &

1) Attributes are the properties that défine a Relation e.g.; ROLL-NO, NAME

2) Relational Scheme: A orllational Schema the sidation name of

attributed eg.; STUDENT (ROLL NO, NAME, APDRES PHONE and AGE) is vulation schema for STUDENT. If a Schema has more than I relation. It is called relational Senence. Tuple: - Each now in the relation is known as Tuple. Ine above relation Contains 4 ruple. 4) Relation Instance: - The set of Luples of a relation at a particular Instance of otime is called as rulation Instance. Table I show the relation Instance of STUDENT at a particular time. It can Change whenever there is Insortion, deletion or updation un the database Theory 5) Degree :- Ine number of attributes die the Julation is known as degree of the relation. The Student relation defined above has degree 8. c) Cardinality: Ine number of tuples in a sulation is known as cardinality. The STUDENT relation defined above has Cardinality 4 er sub subsection metasurità 7) Column Column supresent the set of column par a particular attribute the

Relation STUDENT. NULL values: Ine walue which is not known or unavailable us called NULL Value. It is Represented by BLANK SPACE eg:-phone of Studento having ROLL NO 4 is NULL. Sheadhy 20 03 2020