Computer Science 2nd Years Date 29.04.2020 Subject - DBMs' UNITO (Security) Authorization Authorization is a privilege provided by the database administer. users of one database can only view the contents they are authorized to view. The rest of the database is out of bound to frem. The different permission you authorization available are 1) Pairnay Permission: - This is granted to users publicly and derectly 2) Secondary Permission: - This is granted to group and automatically awarded to a user if he is a member of the group. 3) Public permission: - This is publicly granted to all the user. 4) Context sensitive kermission: - This is related to sensitive Content and only greated to a select the categories of authorization that can be given do usur are 1) System Administrator: - This is the highest admissistrative authorization for a user

with this authorization can also execute some database administrator Command such as justone or apprade a database. 2) Systam Control Ie Unio is the highest control authorization des a user. Inis allow maintenance operations on the database but not direct access to data. 3) System Maintainance: - This is the lower lurd of system control authority. it also also user to maintain the database but within a database manager Instance. 4) System Monitor :- using this authority, the user Can monitor the database and take snapshots of it. Database (Integrity) - (Integrity Constraints) Data Integrity in the database is the Correctness, consistency and completeness of data Data Integrity is enforced using the following three Integuty Constraints: 1) Entity Integrity !- This is related to concept of plumary keys All tables should have their own primary key which should uniquely Identify a row and not be NULL Scanned with CamScanner Referential Integrety: This is related to the concept of Joreign keys. A Joreign key is a key foreign key. of a relation that is referred in another relation Domain Integrilly: - This means that there should be a defined domain for all une Columns un a database Spract 2020 Shardha Vaish