Nome: Shiwam Sharma

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Section: CSZA

Clour Rall Mo: 56

Enrollment Ma: 12019009001262

Paper Namie: Databare Management System

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Signature: Shivom Sharma

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1) B) In a relational database, a weak entity is an entity that connect be uniquely identified by its attributes or alone; therefore it must we a poreign key in conjunction with its attributes to create a primary key. The pariegn key is typically a primary key of an entity it is related to.

Brimory Kry: Is a column ser group of columns in a table that uniquely identify every rose in that table. Ex-pon no.

Condidate key is a set of attribute what uniquely identify tupler in a table.

Condidate key is a super key with no repeated attributes.

Superly is a group of ringle or multiple buys which identifies romes in a table. A super key may have additional attributes that are not needed for unique identification.

2) A) M- ACID broperties In order to mointain consisterry in a dotabor, before and after the transaction, certain properties are followed. There ore called ACID Properties. ACID termoction occurs eventy

The entire transation takes place at once on doesn't hoppen at

The changes of a uncerfound the yetem poilure owny.

The Satabase must be consistent before ond after transaction.

> Mutiple Tronsoctions our undependanty without interperence

4) @A) N) Yu,

The key for Seocher is formed by ringle Kolumn, i. e Yeacher-Name. spall the cattributes of Menther can be determined arriquely by Geocher Mome, the only trocher hame. attributed porm the key. Any there are no partial key dependency. Here Seader is in 2 NF.

ther a table in 3 NF, It should be in 2NF and non key attributes dependencies must mot be present from they it is when that the table in in 2 NF. Teacher Is not in 3 NF ros, of non ky dependency - School Nome -> School bouting 3) A) M-Brown Loan Cutoma diogram of Bonk

200 Adr 6) h

5) A) (i) T, T2 T3 choich of rougheachs (P(A) (P(A) (R(B)). eun if it's somistered, the work goes in vain; time's wenter! cours if there's a crome of roladlacks, It is coulding. W(A) R(A) } Tz dou not with for T, to commit Dury Rul write oction of some W(A) W(A) Joten Stem, when there I mo reved in between. L) Brother incourtent when T, toke the read the R(A) P.CA) volue of A vgoin it finds
R(A) Delete (A) that it's undfind. A Phonton you leins senemted by

6) A) Grueen data & 10 boys = ) 70,120, 110,101,82,83, 95,98,107,100.

So, there mean = sum of all volues.

men = 76+170+110+101+88+83+95798+107

10

 $=\frac{796}{10}=99.6$ 

Arrunption of man by 160 Henre, there are not expeal.