



IQRA NATIONAL UNIVERSITY
Phase II, Hayatabad Peshawar

Student: Hayat Ahmad Khan

ID# 14486

Dept: BS (CS)

(1)

paper: Data base

Q1:-

Part-(1)

Ans:- Candidate keys:-

In the given table
ID, Name and cell are candidate keys

Part-(2):- Data Redundancy:-

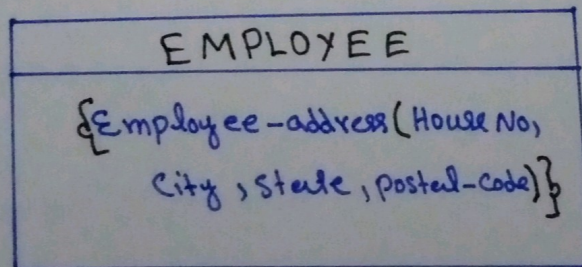
Data redundancy is
the repetition or superfluity of data.

Data Integrity:-

Data integrity refers to the
accuracy and consistency of data stored at
a database, data warehouse, data mart or other
construct.

Part-(3):- Multivalued composite Attribute in Conceptual

Model:-



Multivalued composite Attribute



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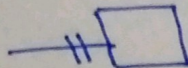
Part-(4):- Reduced Maintenance:-

Maintenance in database

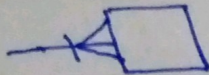
have little or no effect on the database application, thus reducing the maintenance costs.

Part-(5):- ER Diagram:-

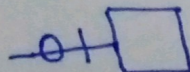
⇒ Mandatory one:-



⇒ Mandatory Many:-



⇒ Optional One:-



⇒ Optional Many:-





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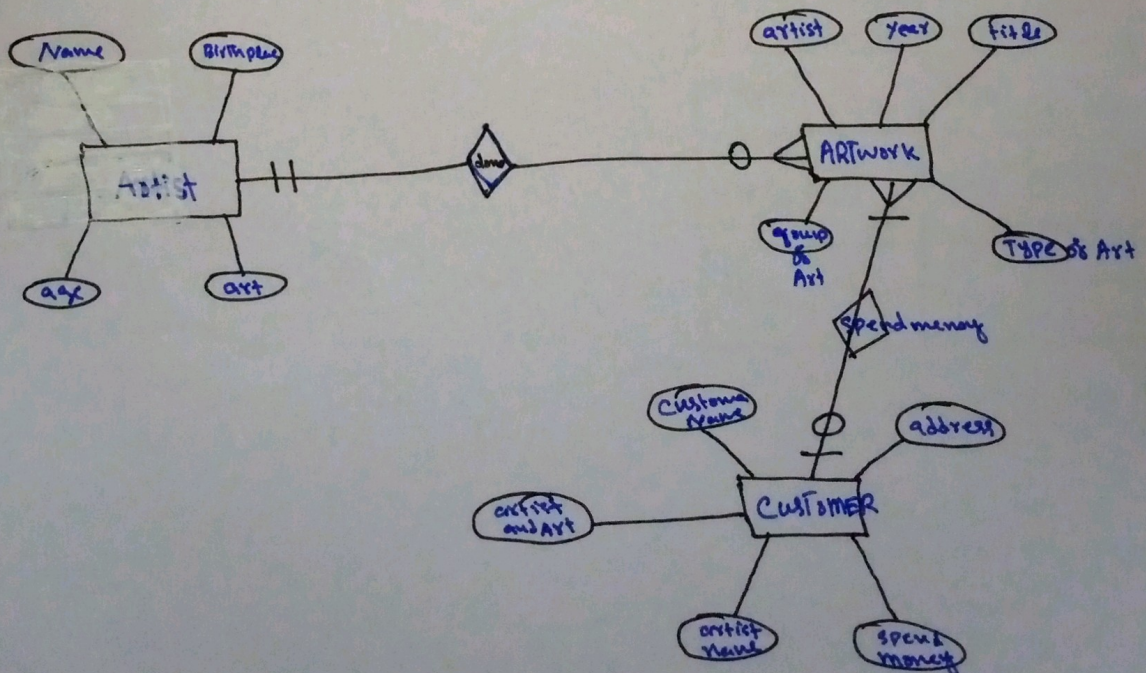
Part-(6):- Need of Backup:-

Because for a centralized

shared database to be accurate and available all times comprehensive procedure is required to be developed and used for providing backup copies of data and for restoring a database when damage occurs.

Q2:- ERD Diagram:-

Ans:-





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Q3:-

Ans:-

