

INU

IQRA NATIONAL UNIVERSITY

Name : Hameed Khan

Department : BS(CS)

Semester : 4th

ID # : 15066

Assignment : Mid Term

Subject : Database System(Theory)

Submitted To:Ma'am Rimsha Khan

Dated : 26th April 2020

HAMEED KHAN

(1)

ID# 15066

Ma'am Rimshe

Database Systems

Q1

Ans (1) Candidate Keys:-

In the given table

ID, Name and Cell are Candidate Keys.

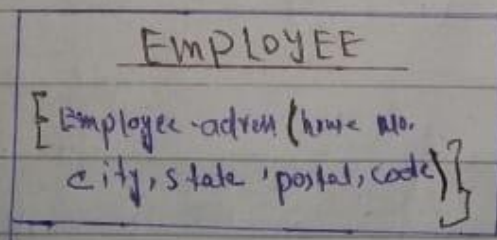
Ans (2) Data Redundancy:-

Data redundancy is the repetition or superfluity of data.

Data Integrity:-

Data Integrity refers to the accuracy and consistency of data stored in or database, data warehouse, data mart or other construct.

Q3) Multivalued Composite Attribute in Conceptual Model:-



Multivalued Composite Attribute

HAMEED Khan
ID#15066
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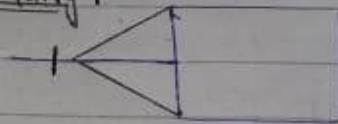
Ans (4) Reduced Maintenance:-

Maintenance in data base have little or no effect on the database application, thus reducing the maintenance costs.

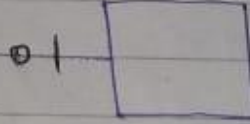
Ans (5) ER Diagram:-



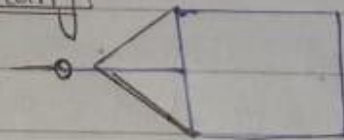
Mandatory Many:-



optional one:-



optional many:-



ms (6) Need of Backup:-

Because for a centralized shared database to be accurate and available all times comprehensive procedure is a required to be developed and used for providing backup copies

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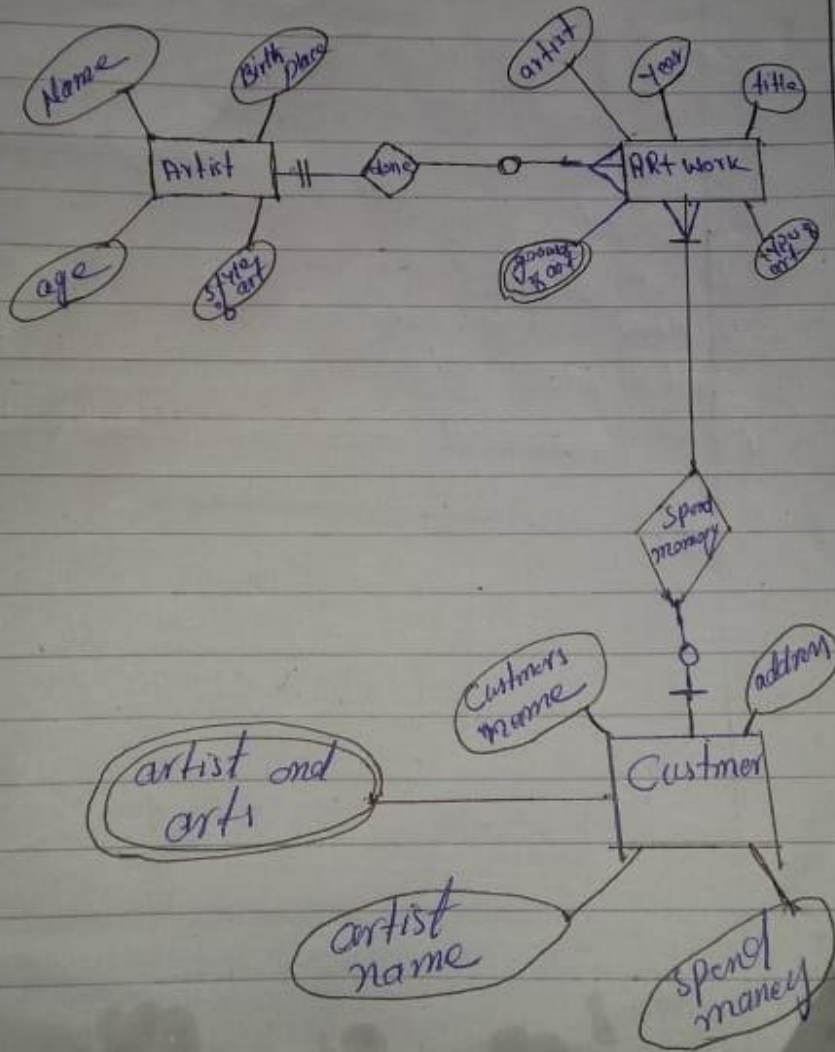
③

of data and for restoring a data base when damage occurs.

Q No 2

ANS

ERD Diagrams:-



HAMEED KHAN
ID# 15066

(3)

13 AM

Course	
Course Name	Course Number
Calculus	105D
Database	2D3A
English	A338

takes

Course Name	Section Number	Section Register	Class Date	Time
Calculus	C	450	2nd Feb	11:00 AM
data base	A	500	14th May	8:00 AM
English	D	988	2nd July	9:00 AM

Student		Student Address
Student ID	Student Names	
14944	Asad	Kohat
15066	Hameed	Dix
15366	Musaf	Swabi

Fills

SEAT	
Seat No	Seat Position
20	Left
15	Centre
05	Right

THE END