

Name Farkhanda Jabeen

Id 14725

Semester Bs(cs) 4<sup>th</sup>

Subject Database System.

Answer the questions.

Q No 1)

1) Candidate keys:-

ID, Name and Cell are the Candidate keys in given figure.

2) Data integrity:-

Data integrity refers to accuracy and consistency of data over its life cycle.

2.b) Data Redundency:-

Data redundancy is a data storage technology in which the same piece of data is held into two separate places.

3) Multivalued Composite Attribute:-

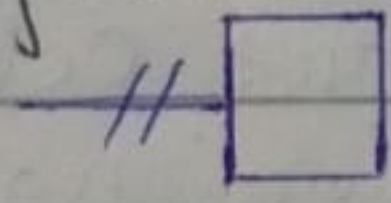
Students
{ Skills (Name, id) }

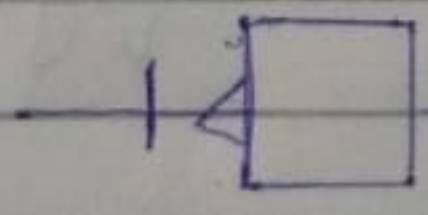
Multivalued Composite attribute.

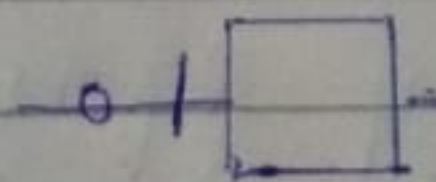
4) Reduced maintenance:-

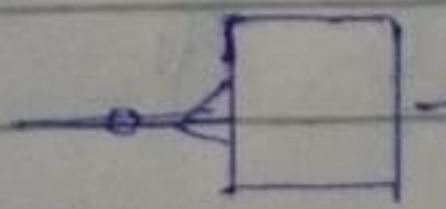
Maintenance in database have little or no effect on the Database application, Thus reducing the maintenance costs.

5) ER diagram:-

 → Mandatory one

 → Mandatory many

 → Optional one

 → optional many.

6) Need of backup:-

Because for a centralized shared database to be accurate and available all times.

OR

Its a way to protecting & restoring files.

Q2)

Artist

PK	Artist - Name
	Birth place
	Age
	Style of Art

Artwork

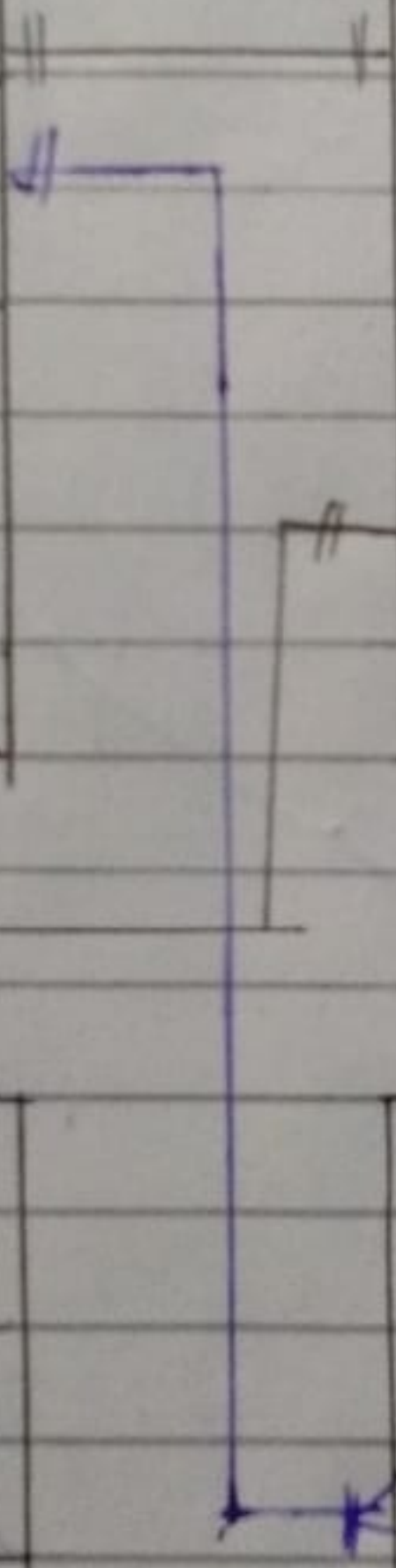
PK	Artist
	Year
	Title
	type of Art
	Price

Groups

PK	portraits
	Still life
	work by picasso
	work of 19 <sup>th</sup>

Customers

PK	Name
	Address
	amount
	Artist - name
	groups



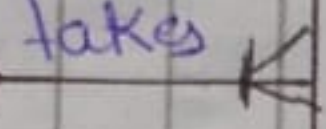
# Student

Student Id	Student name	Std Address
14525	Marahil	Islamabad
14725	Farkhanda	Peshawar
14633	M. Amir	DIK

# Course

Course Name	Course Number
Computer Architecture	102D
Networking	22CC
Database	1C3D

takes



has



# Seat

≠ tiles

Seat Number	Seat position
01	Centre
15	left corner
18	Right corner

# Class

Course-Name	Section-No	no-registered	Class-date-time
Computer Architecture	B	1825	24 - 2:00 PM
Networking	A	345	26 - 11:00 am
Database	B	1992	29 - 8:00 am