

NAME	JIBRAN
ID	14472
DEPARTMENT	BS(CS)
PAPER	DATA BASE
SEMESTER	4 th

Q(1)

(1) Candidate keys:-

ID, NAME and cell numbers are the candidate keys in given figure -

(2) Data Integrity:-

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

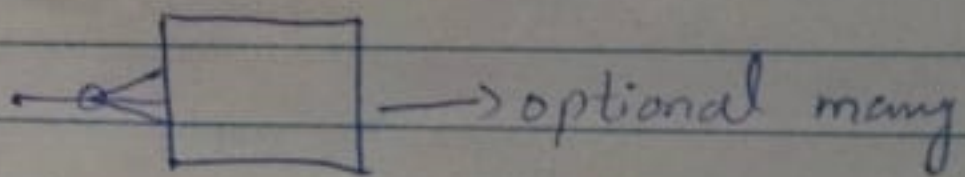
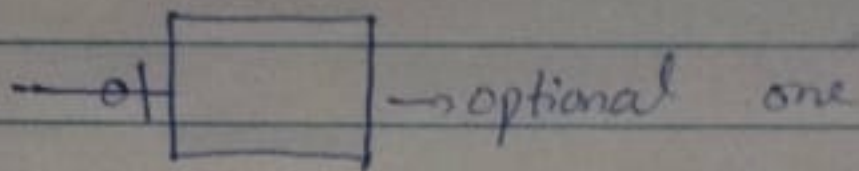
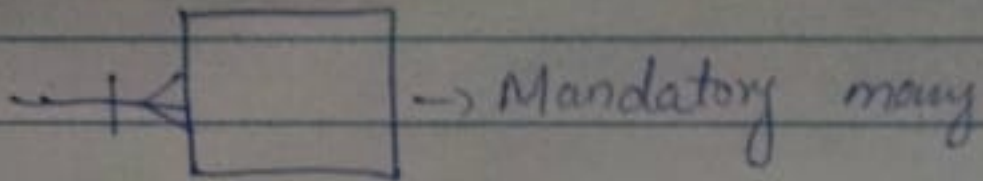
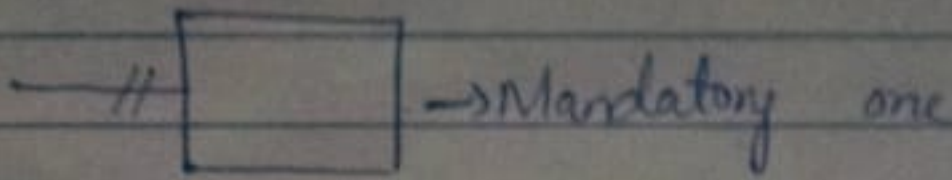
(3) Data Redundancy:-

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

(4) Reduced maintenance:-

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

(5) ER diagram:-

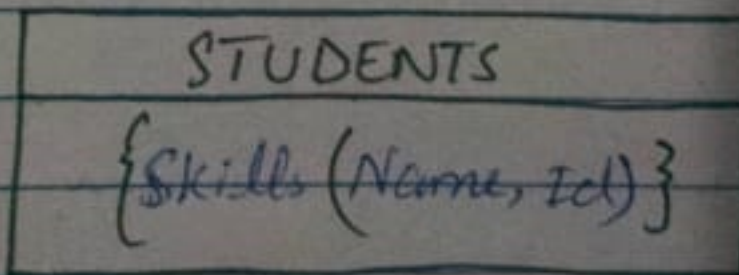


(6) Need of Backup:-

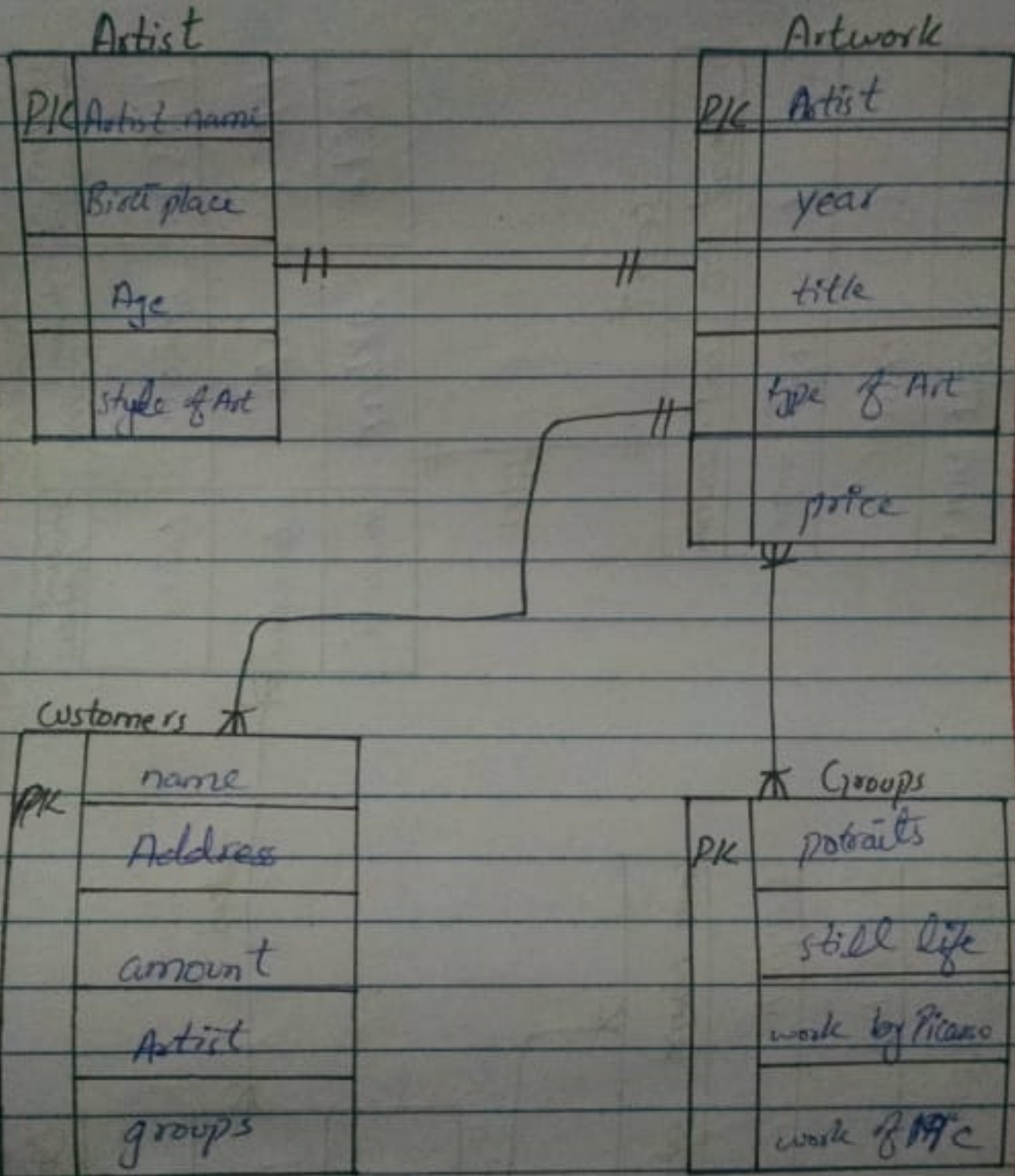
Because for a centralized shared database to be accurate and available all times.

(3)

Multivalued Composite Attribute:-



Q(2)



Q(3)

Student		
Student Id	Student Name	Student Address
14552	Ajwan	Lahore
14562	Ali	Islamabad
14572	Albar	Karachi

seat	
seat no	seat-position
1	left corner
5	center
8	right corner

files

files

Course		Class		
Course Name	Course Number	Section - No	no. registered	Class Data
English	22AN	A	1399	32 11:00 am
Islamic Studies	1A2B	B	1540	41 02:40 pm
Basic Electronics	11SA	C	1980	29 08:00 pm

Checked By:

Parents:

Excellent Good

