

Wasim-ur-Rahman

14524

BS (SE) section (A)
Semester 4th

Database Management :-

Question 1

part (i) :-

Candidate Key is used to uniquely identify any database record with all refering any data-

* Here in this case first of all "ID" is a candidate key cause it can uniquely identify students-

* And in case of no other data will be added to this table the "Name" and "cell" can also be considered as candidate key the data in these two columns are different from each other

part (ii):-

Data Redundancy:-

Is condition which means the storing of same data in multiple locations

registered num	student ID	student name
12L3ET	1	ASIM]
37JKLC	1	ASIM]
3393G	3	KASHIF
FF79C	9	JALAL]
KL376	9	JALAL]

Data Integrity:-

It refers to that how much data is accurate and consistent

A good database enforces data integrity when ever possible

For example:-

if someone accidentally try to enter ID number in cell number field, and if the database enforces data integrity then it will prevent the user from making such mistake and our system

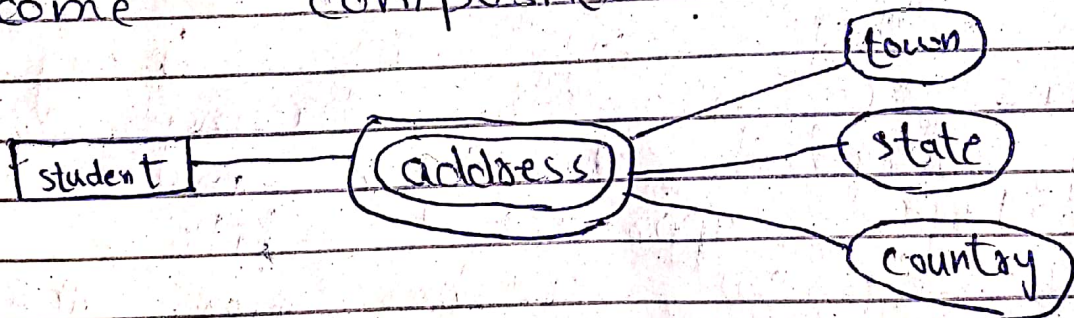
efficient and effective

part (iii) :-

* Composite attribute is combination of other attributes

* Multivalued can be represented with double ovals

* Here in example a student can have permanent and current address which is more than one, so address become "multivalued" and it can also have other attributes like town, village, state, country so it become "composite"



part (iv)

* decision which supports system should be available


* to make collection of reliable

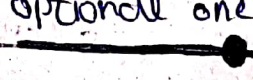
and consistent data

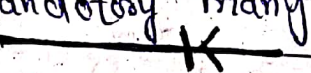
* Insulating the database behind a well-established interface

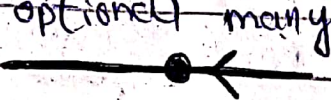
* Keeping the database design up to date

part (v):-

Mandatory one 

optional one 

Mandatory many 

optional many 

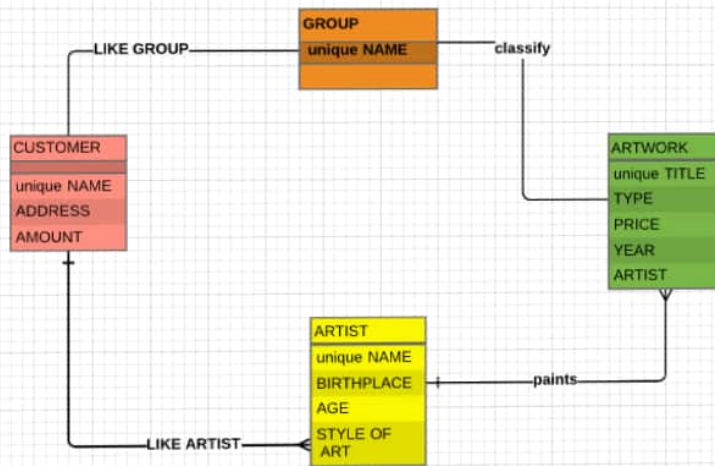
part (vi) :-

There can be many reasons for this by having an explicit backup in database approach like if system crashes, or other accident occurs then we will lose all of our important data and we will face a big problem.

WASIM
14524

QUESTION NO 2

waseem | April 21, 2020



WASIM UR RAHMAN
14524
SEC A
QUESTION 3

waseem | April 22,
2020

