

Name: Marahil Khan
 ID: 14525
 Subject: Database System
 Program: BS(CS)
 Semester: 4th
 Instructor: Mam Yimsha
 Date: 27/4/20

Q NO#1

Answer the following short questions in maximum 2 to 3 lines.

part (1)

1. Which attribute in the following table is a candidate key? Assume that no data will ever be added to this table.

ID	Name	Semester	Department	Cell
1	Sania	1	CS	03334324234
2	Romaisa	1	CS	03335399123
3	Alina	1	CS	03150034224
4	Ayeza	3	CS	03455559822

ANS: ID, Name & cell are a candidate keys.

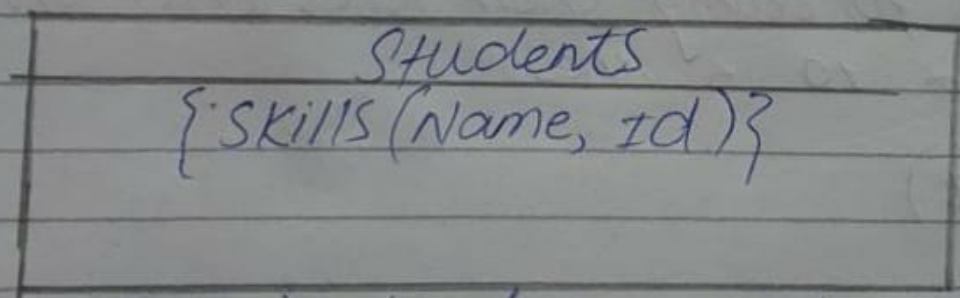
part (2)

2. What is data redundancy & data integrity?

Data integrity refers to accuracy & consistency of data over its life cycle.
Repetition or Superfluity of data.

part (3)

3) multivalued composite Attribute:



multivalued composite attribute.

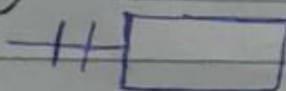
part (4)


4:- How is there 'reduced maintenance' in database approach?

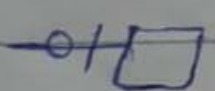
ANS:- Because its cuts down on the subsequent need for maintenance.

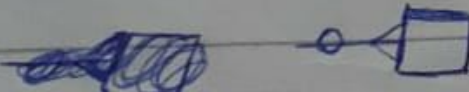
part (5)

5. How are the following represented using ER diagram: mandatory one, mandatory many, optional one, optional many?

ANS: -  → mandatory one

 → m. many

 → optional one

 → optional many

part (6)

6:- why is there an explicit need of backup in database approach?

ANS: Because for a centralized shared database to be accurate & available all times.

Q NO # 2

ARTIST

PK	Artist name
	Birthplace
	Age
	Style of art

ART WORK

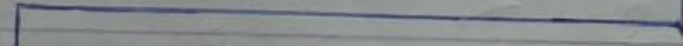
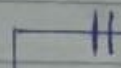
PK	ARTIST
	year
	title
	type of art
	price

CUSTOMERS

PK	name
	Address
	amount
	ARTIST
	groups

GROUPS

PK	Portraits
	Still life
	work by picasso
	work of 19th c



Q NO # 3

STUDENT

Students ID	Students name	Students Address
14525	Manohil Khan	Rawal Pindi
14725	Forkhnda	Peshawar
14625	Amin	Narusheera

SEAT	Seat-no	Seat position
	2	left corner
	6	center
	9	right corner

COURSE

Course name	Course number
Database	CE 30
MPL	2B2D
Jawa	2B2B

COURSE-Name	Section no	no - registered	CLASS-date-time
Database	B	2460	19 9:00am
MPL	A	2695	21 12:00am
Jawa	B	2499	26 1:00am

