

Date: \_\_\_\_\_

NAME

Mian Daud Jan

ID

14468

CLASS

BSSE-A, 4th Sem.

SUBJ

Database

TEACHER:

Rimsha Khan.

**ZEB**

NOTE BOOKS



Date: 22nd April, 2020

Pg ①

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Question no: 01

1- Which attribute in the following table is Candidate Key? .....

Answer:-

Here in the following table "ID" and "Cell no" are the candidate keys.

2- What is Data Redundancy and data integrity?

Answer:-

Data redundancy:- When the same type of data is repeated in the same database is called data redundancy.

Data integrity:- Data integrity is accuracy of data. This is important to make a database. It means the data should remain same through out the life cycle of database and make sure the data remains unchanged.

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Date: 22nd April, 2020

Pg (2)

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3- How a multivalued Composite attributes is represented in conceptual model.

Answer:-

Multivalued attributes are usually double underlined or circled while being represented. Multivalued and Composite attributes are 2 different things but an entity can have both these properties at the same time.

4- How is there 'reduced maintainance' in database approach?

Answer:-

The maintainance has a little or no effect on the database application therefore the maintainance cost is reduced.

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NOTE BOOKS



Date: 22nd April 2020

5- How are the following represented  
using ER-Diagram:

Answer:

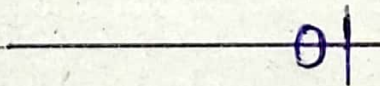
1) Mandatory one:-



2) Mandatory many:-



3) Optional one:-



4) Optional many:-





Date: 22nd April, 2020

Pg (4)

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

Answer:-

The database must be accurate and available all the times. In order to ensure the availability, comprehensive procedures must be developed and used for providing backup copies of data and for restoring a database when damage occurs. That's why there is an explicit need for backup in database approach.

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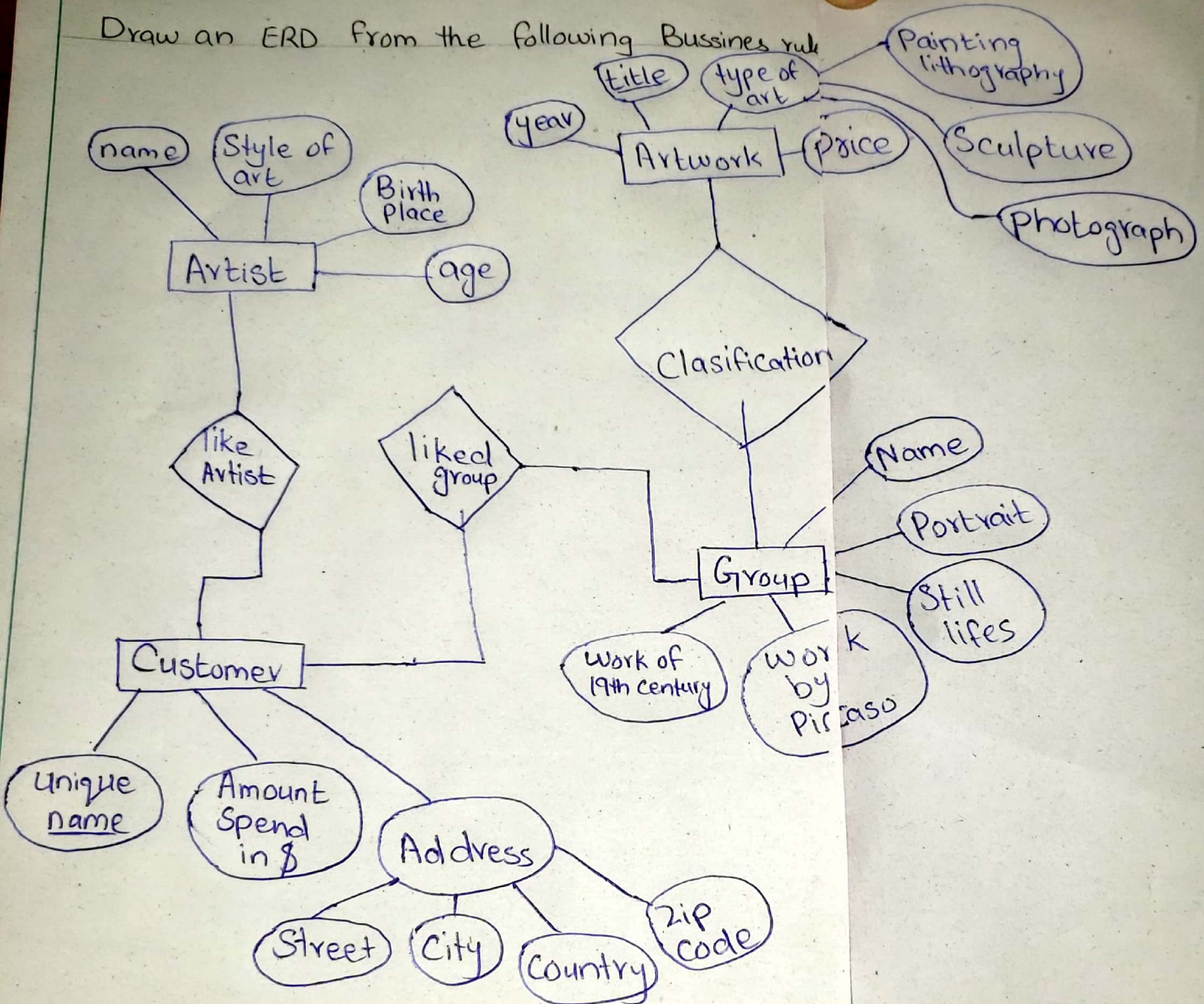
NOTE BOOKS



22nd April, 2020

Question 2:

Draw an ERD from the following Business rule



22nd April, 2020

Question: 03:

Pg (6)

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14468

Convert the following conceptual model to relational model.

