Assignment – 01

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Course Code	: CSE370
Course Title	: Database Systems
Section	: 06
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According to the given information,

Here's the ER diagram shown below:
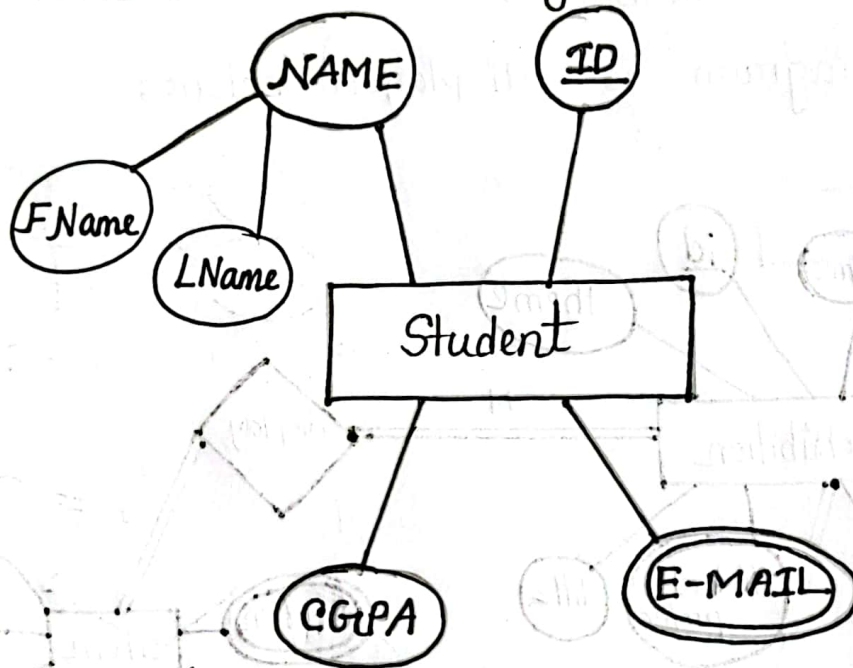
Identification:

① 'Student' ⟶ **Entity**

② **Attributes:**

⟶ ID (primary key)

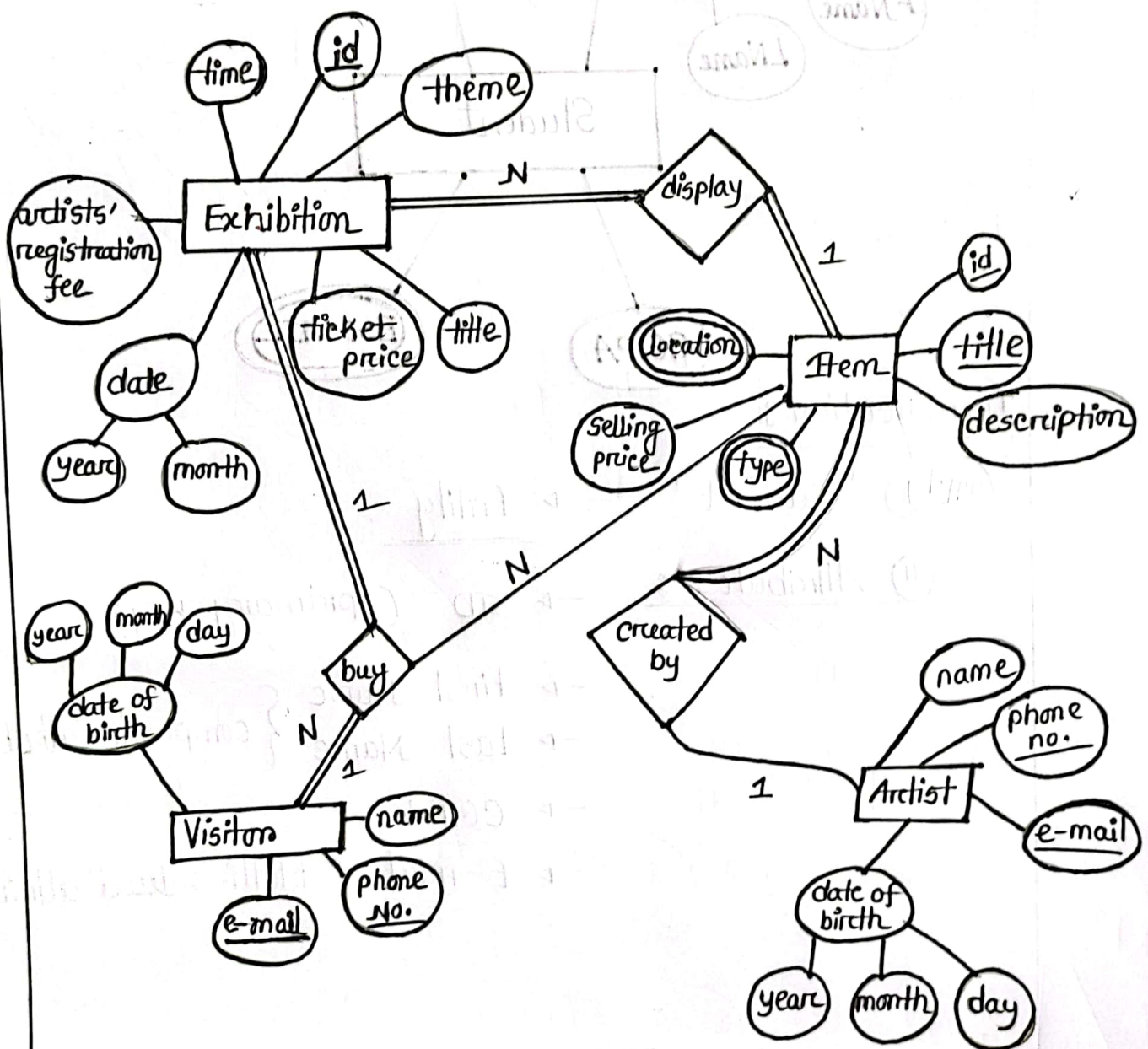⟶ First Name $\}$ composite attribute

⟶ Last Name

⟶ CGPA

⟶ E-mail (Multi-valued attribute)

[P.T.O.]

Answer to the Q. NO – 02

Here, Art Gallery is a mini-world that has many entities, attributes.

The ER diagram is displayed below:

hence,

Relationships :

① An exhibition can have multiple/several items.

→ (1 : N) → (1 to many)

⑪ An Artist can create several items → (1 : N)

→ (1 to many)

⑪⑪ An exhibition can have multiple visitors → (1 : N)

→ (1 to many)

⑭ A visitor can buy several items → (1 : N)

→ (1 to many)

Composite Attribute :

→ date of birth

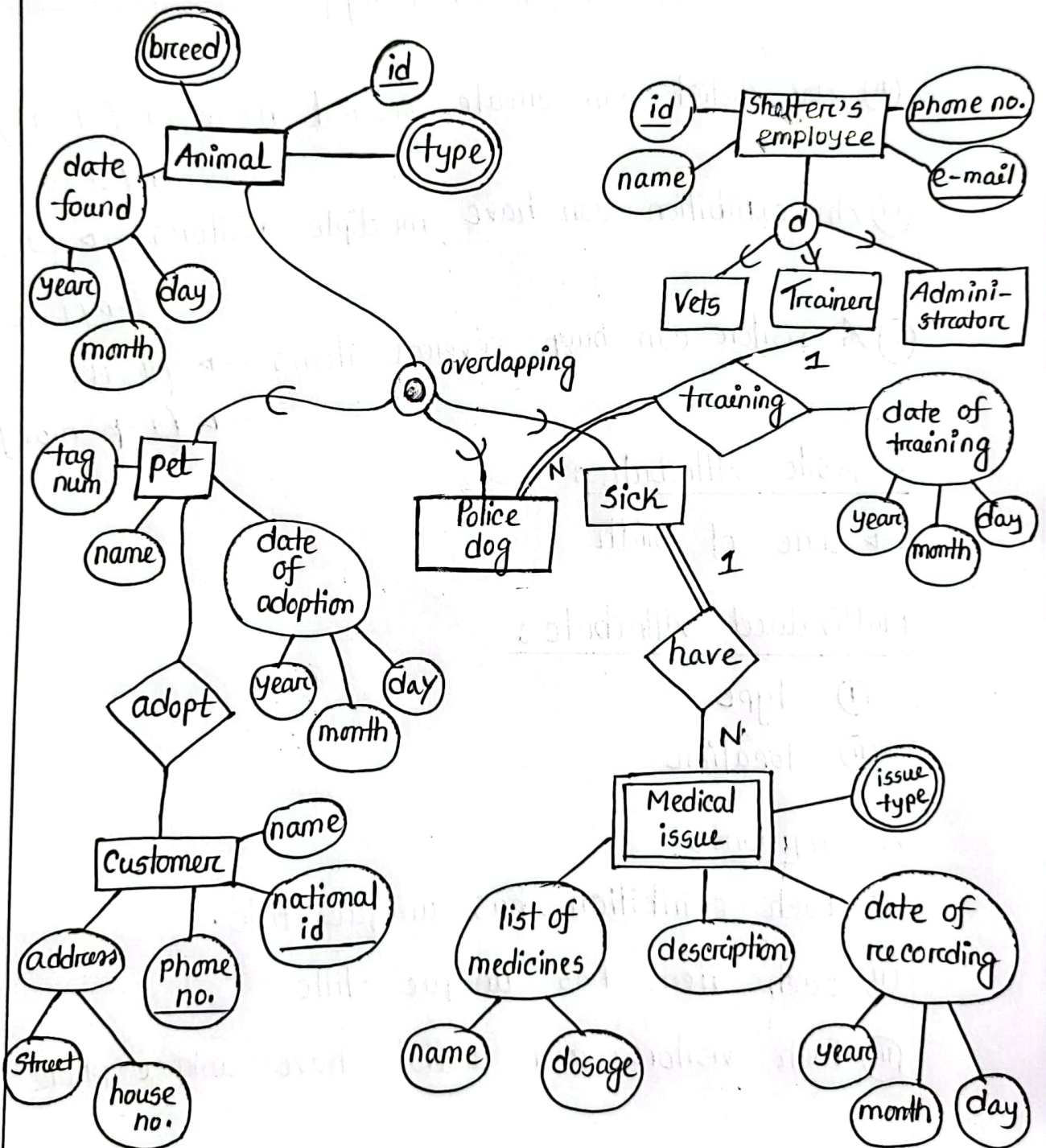## Multivalued Attribute :

① type
⑪ location

Assumptions :

① Each exhibition has unique title.

⑪ Each item has unique title

⑪⑪ Each visitor and artist have unique phone number.

_____

[P.T.O.]

Answer to the Q. NO-03

EER diagram displayed below according to the given information and conditions:

Assumptions:

① Each customer has unique national id and phone number