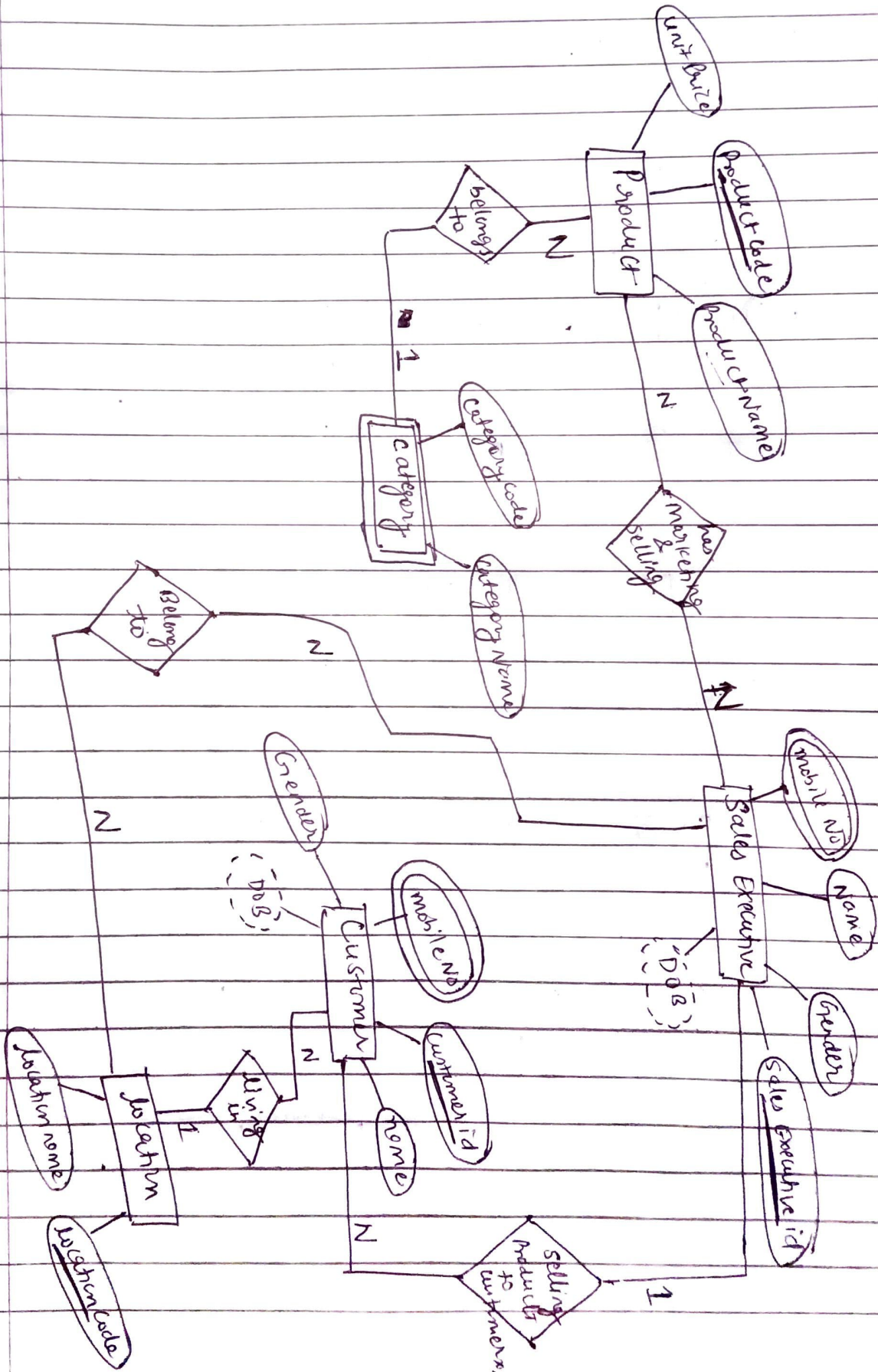


Q.1

Entities → Product, category, Sales Executive, customer, location



Q.2

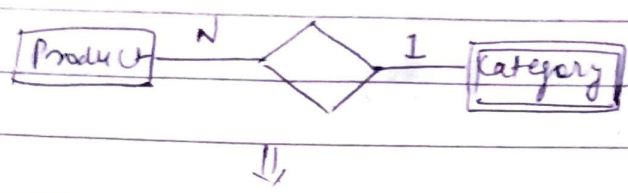
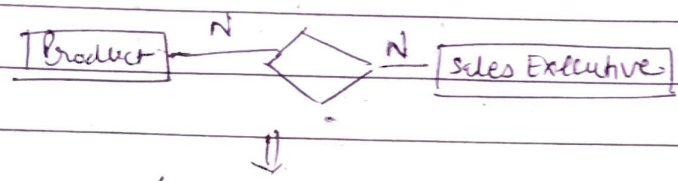


Table 1:
(R1)

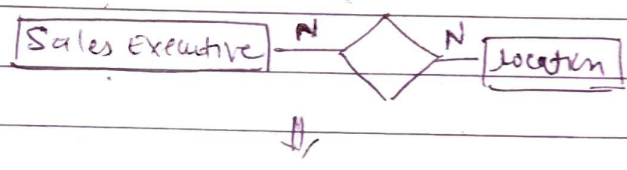
Product code	category code	category name
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~~Table 2:~~
(R2)



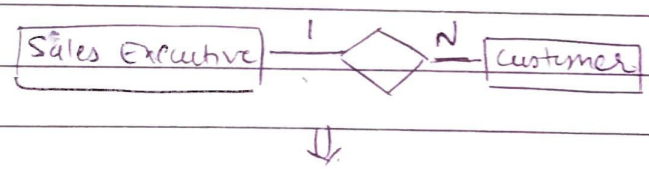
(R2)

Product code	unit price	Product name	Sale Exe - id
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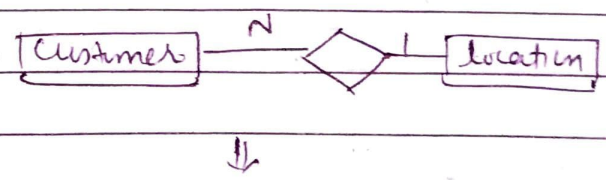
(R3)

Sales Exe - id	Location code
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(R4)

Sales Exe - id	Customer id	Name	mobile no	Gender	DOB
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(R5)

Customer id	Name	mobile no	Gender	DOB	Location code
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Q3

~~For~~

this attribute may have redundancy \therefore split it

R1 \rightarrow

Product_code	Category_code	Category Name
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\Downarrow

R11

Product_code	Category_code
--------------	---------------

R12

Category_code	Category Name
---------------	---------------

R5 \rightarrow

Customer_id	Name	mobile no	Gender	DOB	Location code
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\Downarrow

different customers may belong to same location

\therefore decompose it

R51

Customer_id	Name	Mobile No	Gender	DOB
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R52

Customer_id	Location_code
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