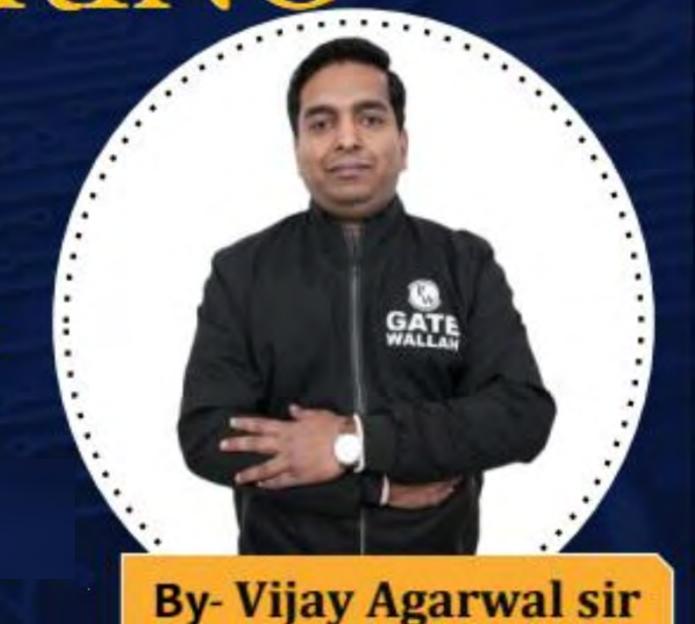
# CS & IT ENGINEERING

Database Management System
ER Model

DPP - 01 Discussion Notes

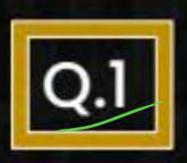




TOPICS TO BE COVERED

01 Question

02 Discussion



Which of the following statements about ER model is/are correct?



Relationship sets can have attributes of their own.

Many to many relationships cannot be represented in ER diagram.

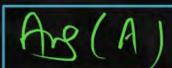
Multi value attributes and weak entity set allowed in R

DBMS.

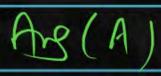




S<sub>1</sub> and S<sub>3</sub> only



S<sub>2</sub> and S<sub>3</sub> only







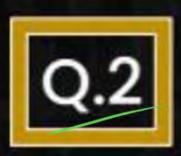
 $S_1$ ,  $S_2$  and  $S_3$ 

FDRMS

45 No Multivalued Attorbute

5 No Composite Attorbute

5 No Weak Entity.

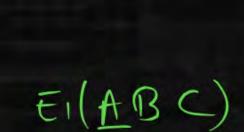


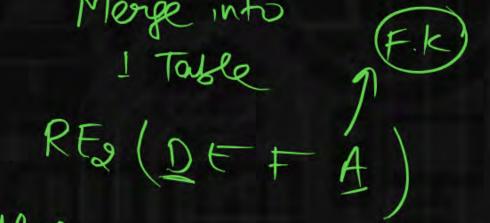
# Consider the following ERD:



Which of the following is the minimum number of relational table and foreign key required for above ERD?

- A. 3, 2
- B. 1, 1
- 2, 1
  - D. None of these

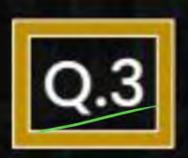




Ang (C)

2 Tables LF.k

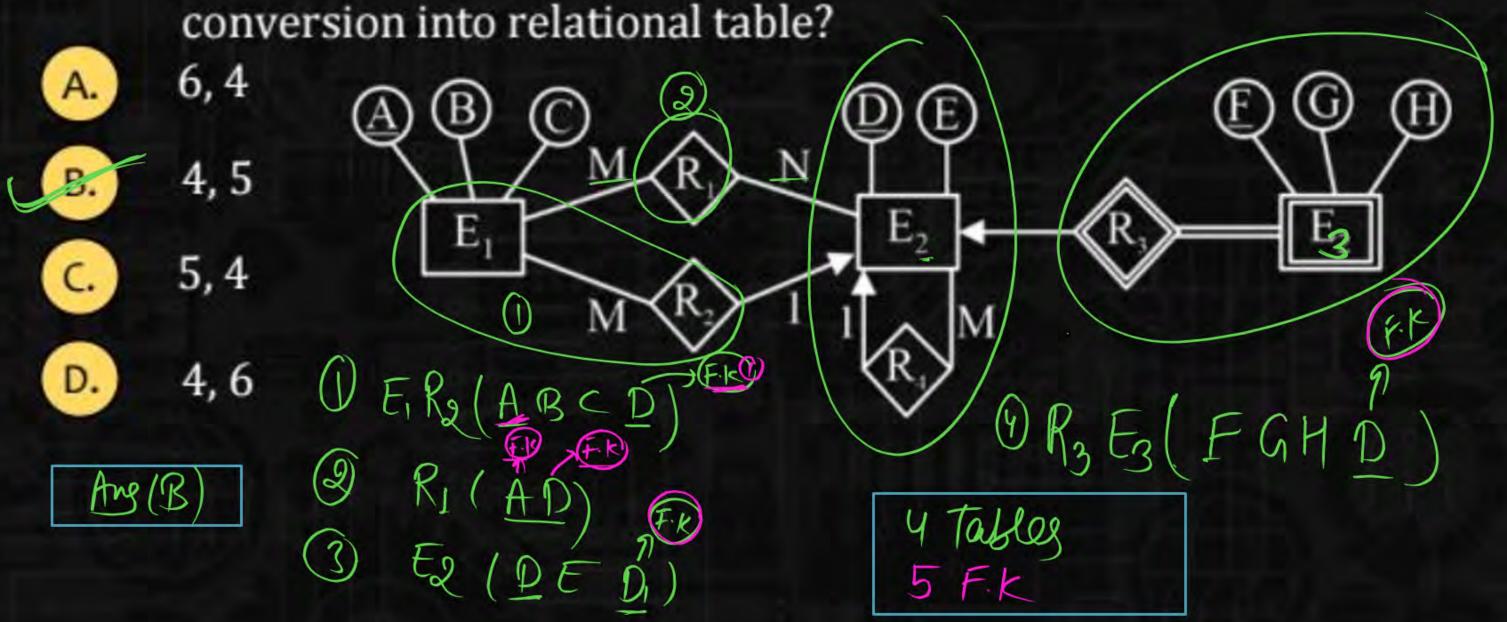
Μ

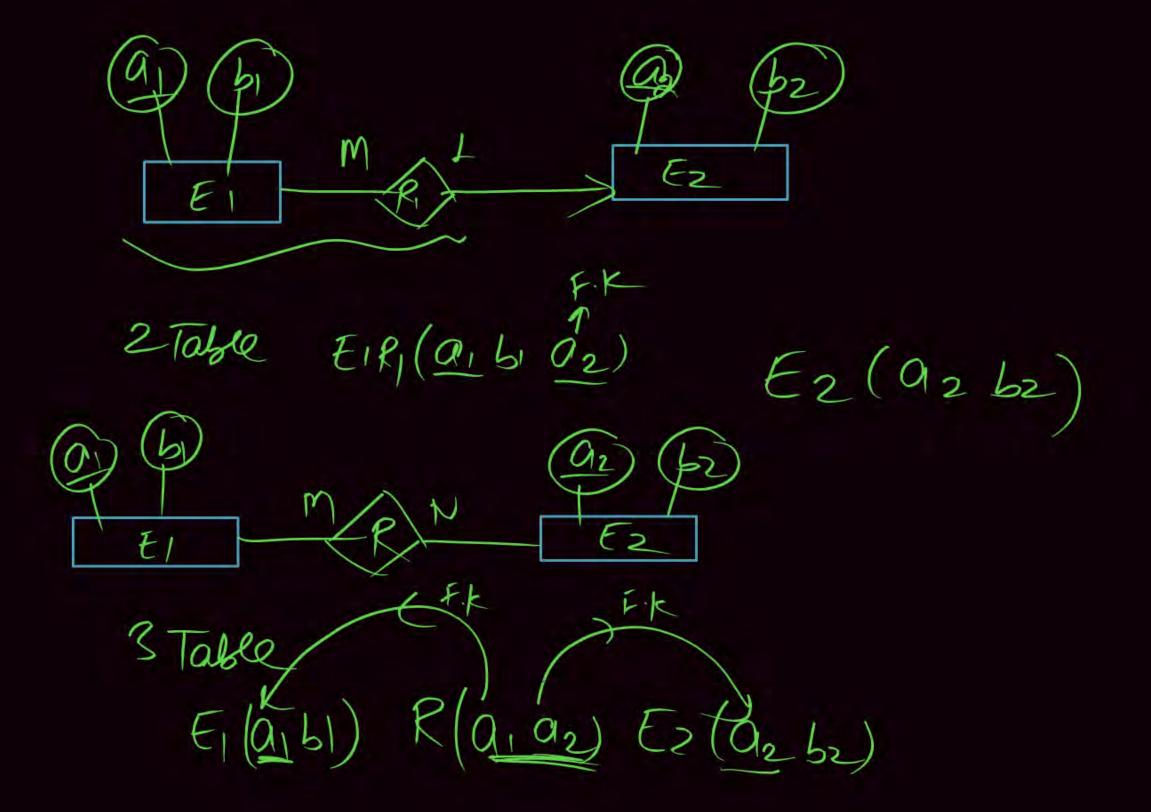


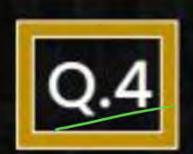
# Consider the following ER model:



Which of the following is the minimum number of relational tables and minimum number of foreign key required for



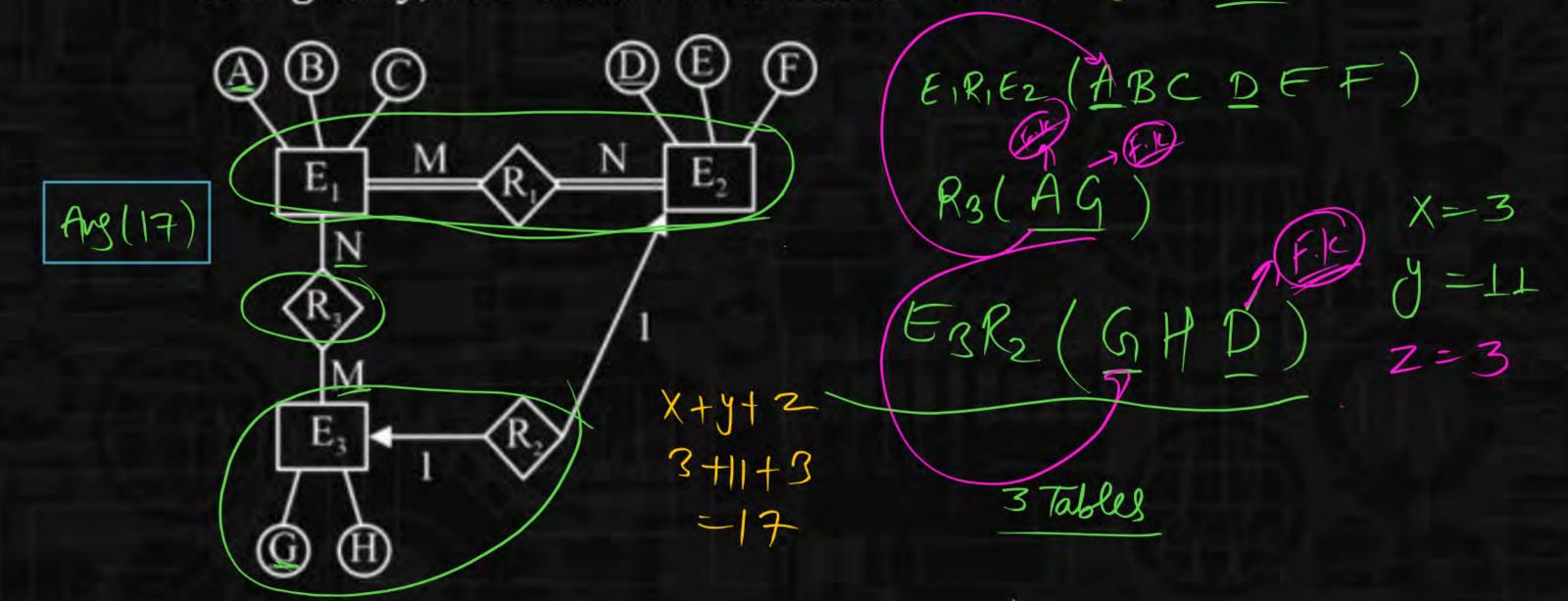


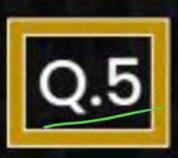


### Consider the following ER model:



Assume X is the minimum number of tables, Y is the total number of attributes in relational tables and Z is the minimum number of foreign key, then find the value of X + Y + Z? (17)  $\triangle S$ 





# Consider the following ER diagram:



How many total attributes required for the minimized relations

of the above ER diagram?



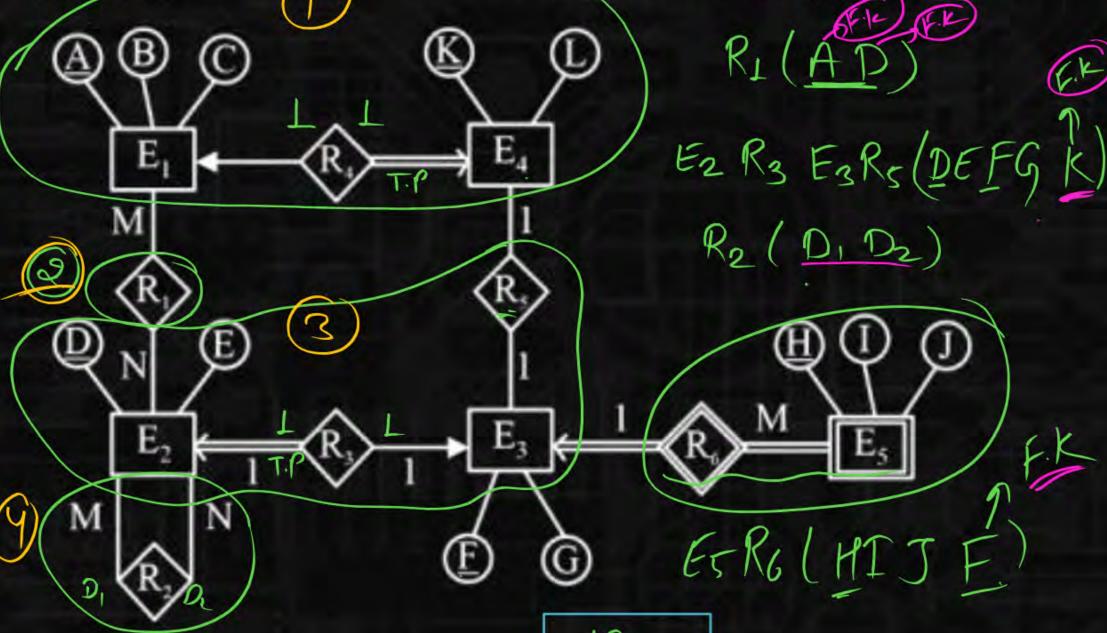
A. 14

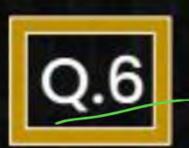
B. 15

18

None of these

Ang (c)

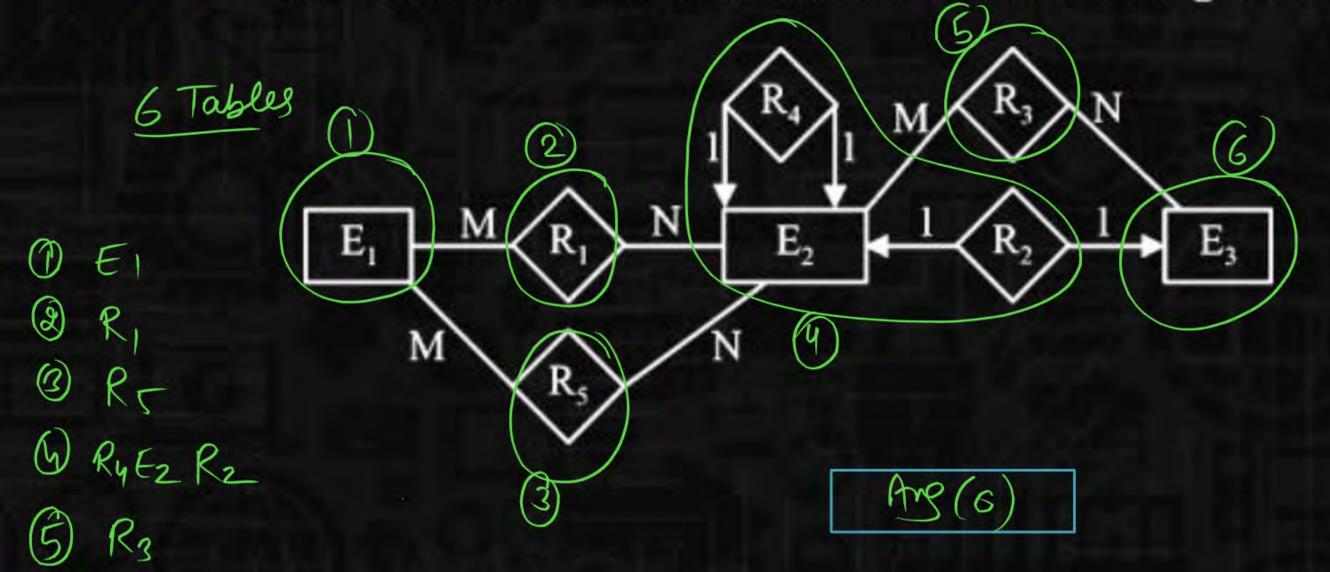


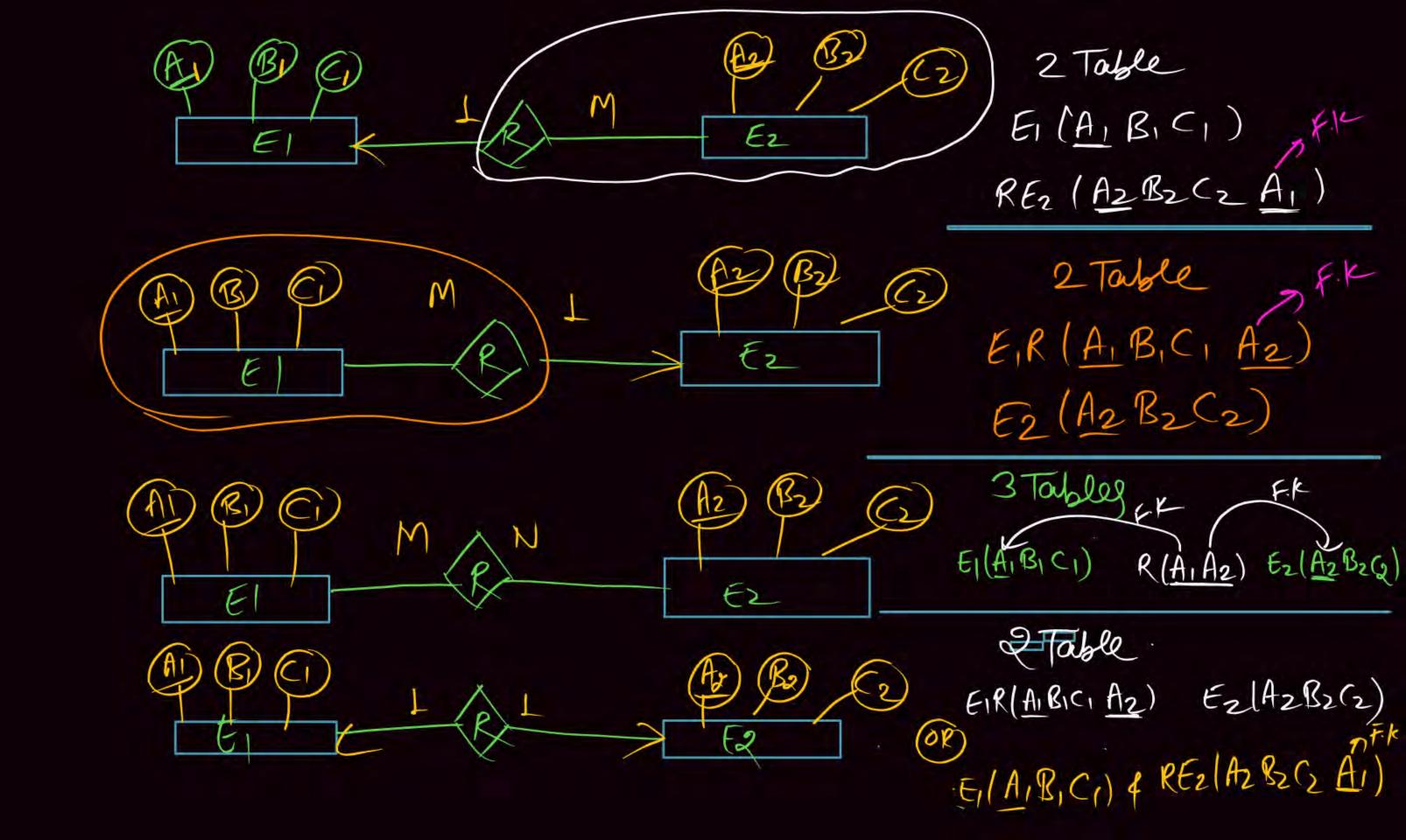


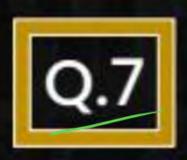
### Consider the following ER diagram



Total number of RDBMS table in the above diagram?







Consider the following ER model: If 'x' entries in  $E_1$  and 'y' entries in  $E_2$ . How many entries in relation set (R)?

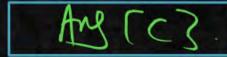




B. At most x

Exactly x

D. at least x and at most m







y entries



