

# Lecture 15

04 Feb, 2023

Lecture14 | 01 Feb 2023

Lecture14 | 01 Feb 2023

Lecture15 | 04 Feb 2023

$$\text{CONPER} = 3 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 = 14$$

H/w:  $9 \times 19 \times 19 \times 21 \times 5$

1.  $\text{ISSUE} = 341145$

DATES = ?

$4 \times 1 \times 20 \times 5 \times 19 = 7600$

2nd last 5th 1st 18=4th 2nd 5th 1st

2.  $\text{YEARLY} = \text{BVZIOR}$

ANNUAL = ?

$\text{ZMMFZO}$

3. Given:

'Royal Monarch Regal' = '@#\*'

'Regal Legacy Gold' = '\*%?'

'Hope Gold Life' = '%&\$'

'Regal Monarch Morals' = '#\*^'

(a) Code for 'Regal' is ?\* (b) Code for 'Gold Legacy' is ?%?

(c) Which word is coded as '#'?

\_\_\_\_\_ X \ \_\_\_\_\_  
Monarch

Syllogism: It means "Conclusion / Inference"

Best understandable using Venn Diagrams

### Question on Syllogism (3 parts)

Major Premise

Some dogs are not friendly.  
All cats are mammals.

Minor Premise

All German Shepherds are dogs.  
All mammals have fur.

Conclusion

Some German Shepherds are not friendly. (True)  
All cats have fur. (True).

### Steps:

1. Note the no. of variables present in the given stmt.
2. Draw Venn Diagram for each variable.
3. Deduce logical level by reading stmts & draw corresponding Venn diagram.
4. Check the conclusions given by comparing with the Venn diagram obtained.
5. Select correct conclusion.

### Types of Syllogism Questions:

eg: Some dogs are animals  
Some animals are dogs



All A are B

eg: No dogs are animals.

(A)

(B)

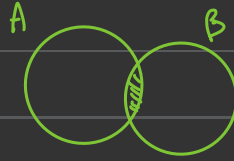
No A is B.

eg: Some A are B.

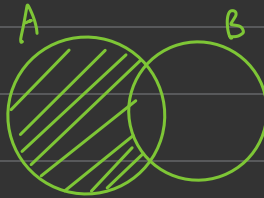
All cats are dogs.

All dogs are cats.

All cats are dogs and All dogs are cats.



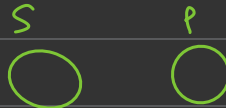
eg: Some A are not B



eg: Minor: No Sweater is Pencil

Major: No pencil is cloth

Conclusion: All Sweaters are cloth. (False)



eg: Minor: All students are engineers

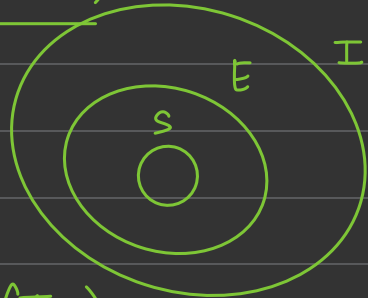
Major: All engineers are innovative.

Conclusions: 1. All innovative are students

2. All students are innovative (True)

3. No innovative are students.

4. No engineers are students.



eg: All women are smart.

Amanda is a woman

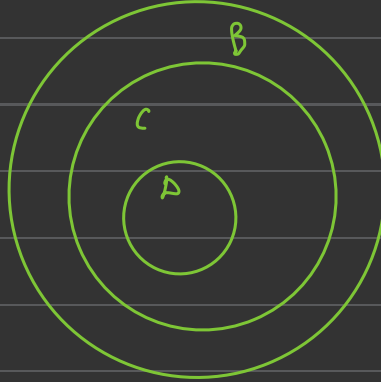
Conclusion: Amanda is smart (True)



eg: All dogs are cats

All cats are bulls

Conclusion: All bulls are dogs. (False)



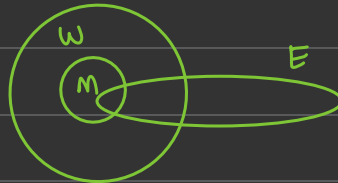
Conclusion: All Dogs are bulls - (True)

eg: Thief, Robber

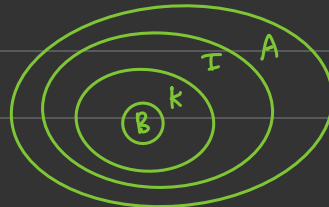


People who are thief & robber

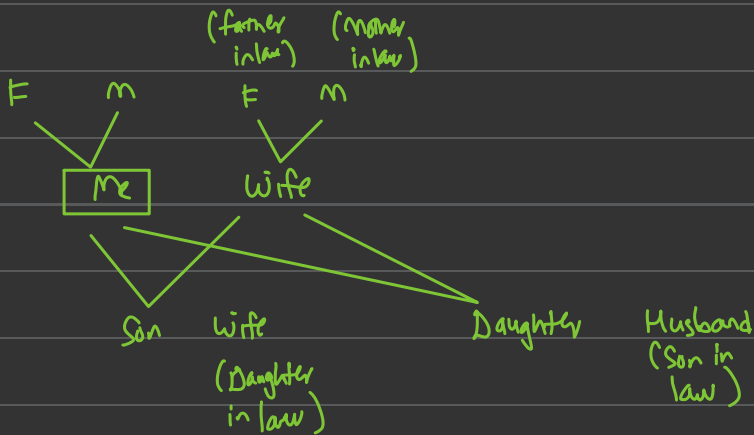
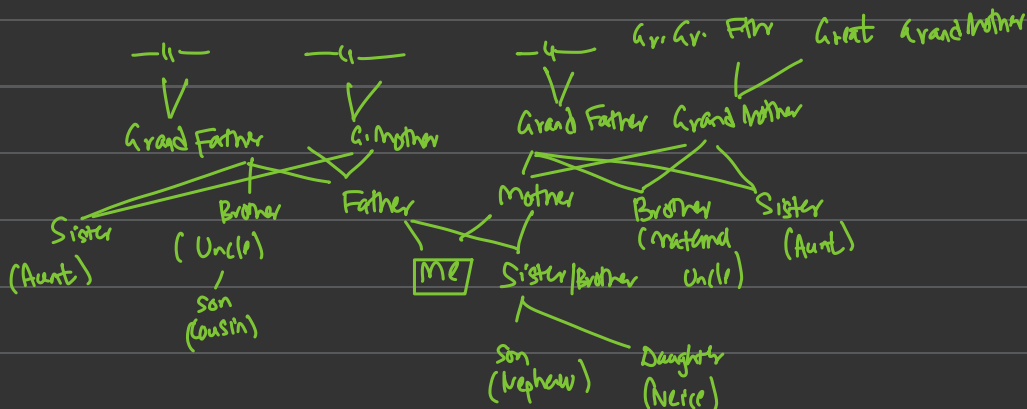
eg: Women, Mothers & Engineers



eg: Bangalore, India, Asia, Karnataka



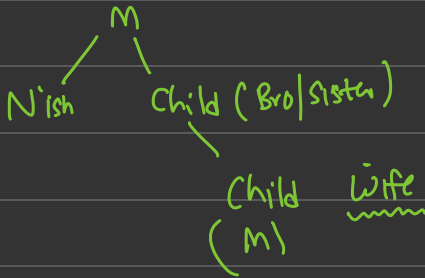
# Blood Relations .



eg: Nishant said: "This girl is the wife of the grandson of my mother".

Who is Nishant to this girl?

→

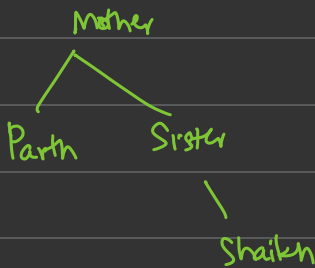


eg. If Parth says: "Shaikh's mother is the only daughter of my my own mother".

How is Parth related Shaikh?

→

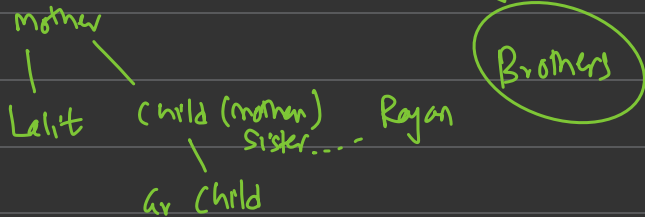
Uncle



eg: Pointing to Lalit in photograph,

Rajan said: "Mrs mother has only one grandchild whose mother is my sister"

How is Rajan related to Lalit?



Take Home:

1. Deepak said to Raj: "The boy playing with football is the younger of two brothers of daughter of my father's wife".

How is the boy playing football related to Deepak?

2. Pointing to a man, Anjali said: "He is the brother of daughter of the wife of my husband".

How is the man of stage related to Anjali?

