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## 26. Syllogism

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## Syllogism

(Statement) | (Conclusion)

All/No (1) 100% information

some/

(2) Less than 100% information

Some not

(1) 100% True  $\rightarrow$  follow(2) 100% False  $\rightarrow$  Does not follow(3) can't say  $\rightarrow$  either/or

Ex:- (1) All A are B (+)

(2) Some A are B (+)

(3) No A are B (-)

(4) Some A are not B (-)

options: (1) Only (1) Follow

(2) Only (2) Follow

(3) Either (1) or (2)

(4) Both follow

(5) None follow

## Rules:-

(1)  $\oplus \rightarrow \oplus$  conclusion $\ominus \rightarrow \ominus$  conclusion

Statements

(3)

No  $\rightarrow$  Some notSome not  $\rightarrow$  No(2) All  $\frac{\text{last me}}{(\text{some})} \rightarrow \text{some}$ Some  $\rightarrow$  All

direct relation

1) Statement:- All Books are copy. (+)  
(some) (some)

## Conclusions:-

(1) Some Books are copy ✓

(2) All copy are Books X

(3) Some copy are Books ✓

(4) No Books are copy (-) X

(5) No copy are Books (-) X

Ans:-

(1) &amp; (3) Follow

All के लिए some वृत्ति होती है।

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⑥ Some copy are not Books (-) X

⑦ Some Books are not copy (-) X

⑧ All Books are copy X

(IMP) (restatement) conclusion always False

② Statement :- some Books are copy. (+)  
(some) → restatement

Conclusion :- ① some Books are copy X

② All copy are Books X

③ Some copy are Books ✓

④ No Books are copy (-) X

⑤ No copy are Book (-) X

⑥ Some copy are not Book (-) X

⑦ Some Books are not copy (-) X

⑧ All Books are copy. X

Ans :- only ③ follows

③ Statement :- No Books are copy. (+)  
(Some not) (No) (Some not)

Conclusion :- ① Some Books are copy (+) X

② All copy are Books (+) X

③ Some copy are Books (+) X

④ No Books are copy X → restatement

⑤ No copy are Books ✓

⑥ Some copy are not Books ✓

⑦ Some Books are not copy ✓

⑧ All Books are copy. X

Ans :- 5, 6, 7 follows

Some के पिछे some क्या होता है.

No के पिछे No क्या होता है

Some not के पिछे क्या क्या नहीं होता है.

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Q) statement :- ① Some Books are not copy.

conclusion :- ① Some Books are copy. X

② All copy are Books X

③ Some copy are Books X

④ No Books are copy X

⑤ No copy are Books X

⑥ Some copy are not Books X

⑦ Some Books are not copy X

⑧ All Books are copy. X

Some not का कोई conclusion नहीं होता.

so, उमेरी conclusion are wrongs

Ans:- None follows

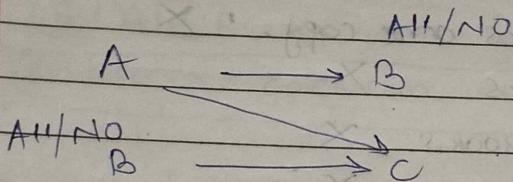
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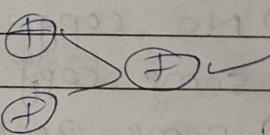
## Indirect Relation

~~IMP~~ Rule for 2 statement combination :-



① 1 term common

- (1) All B → B<sup>All</sup>
- (2) No B → B<sup>No</sup>
- (3) All B → B<sup>No</sup>



- ① statements :- 1) Some actors are singers. ✓  
2) All the singers are dancers. ✓ (some)

conclusions :-

- 1) Some actors are dancers. ✓  
2) No singer is actor. ⊗ ✗

Ans :- only (1) conclusion follows.

② statements :-

- 1) All the harmoniums are instruments. ✓  
2) All the instruments are flutes. ✓ (some)

conclusions :-

- 1) All the flutes are instruments. ✗  
2) All the harmoniums are flutes. ✓

Ans :- only 2 follows

3) statements :-

- 1) Some mangoes are yellow.
- 2) Some fixo are mangoes. (some)

Some → Some  
not connected

Conclusion :-

- 1) Some mangoes are green. ✗ → green not in statement
- 2) Fixo is a yellow. ✗  
(All)

Ans :- None follows

4) statements :-

- 1) Some ants are Parrots. ⊕
- 2) All the Parrots are apples. ⊕  
(some)

Conclusions :-

- 1) All the apples are Parrots. ✗
- 2) Some ants are apples. ✓

Ans :- only 2 follows

5) statements :-

- 1) Some papers are Pens. (some)
- 2) All the Pencils are Pens. (some)

Conclusions :-

- 1) Some Pens are Pencils. ✓
- 2) Some Pens are Papers. ✓

Ans :- Both follows

$$\begin{array}{l} \textcircled{1} \oplus > \oplus \\ \ominus & \end{array} \quad \begin{array}{l} \textcircled{2} \oplus > \ominus \\ \ominus & \end{array}$$

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6) Statements:-

- 1) All the actors are girls. (some)
- 2) All the girls are beautiful.

Conclusions:-

- 1) All the actors are beautiful. ✓
- 2) Some girls are actors. ✓

Ans :- Both follows

7) Statements:-

- 1) All the windows are doors.  $\oplus \rightarrow \ominus$
- 2) No door is a wall.  $\ominus \rightarrow \ominus$   
(No)  
(some not)

Conclusions:-

- 1) Some windows are walls.  $\oplus \times$
- 2) No wall is a door. ✓

Ans :- Only ② follows

8) Statements:-

- 1) All cups are books.  $\oplus \rightarrow \ominus$
- 2) All books are shirts.  $\oplus \rightarrow \oplus$   
(some)

Conclusions:-

- 1) Some cups are not shirts.  $(-) \times$
- 2) Some shirts are cups. ✓

Ans :- Only ② follows

Q) statements :-

- 1) All the Pencils are Pens.
- 2) All the Pens are inks.  
(Some)

conclusions :-

- 1) All the Pencils are inks. ✓
- 2) some inks are pencils. ✓

Ans :- Both follows

Q) statements :-

- 1) All the trucks are flies. (some) ✗ → connect गृहीत.
- 2) some scooters are flies (some) ✗

conclusions :-

- 1) All the trucks are scooters. ✗
- 2) Some scooters are trucks. ✗

None follow

IMP #

