LOGICAL REASONING

Syllogism

	Case ①	②	③
	All	All	Some
	All	some	some

Statements
① All Red are Blue
② All Blue are Yellow

conclusions
① All Yellow are Red
② Some Yellow are Blue

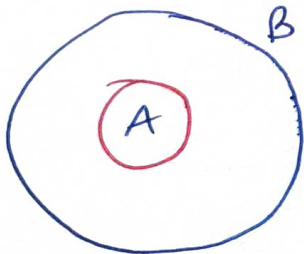**Ans**

conclusion
A) only 1
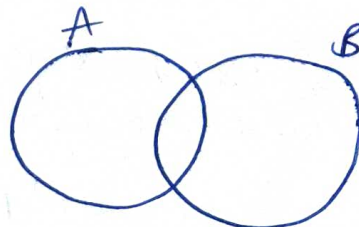B) only 2
C) Both 1 and 2
D)

Rule

Statement	Rule1

All (A) is (B)

Rule-2   or   → Some (B) are (A)

Some (A) are (B)

Conclusion

Rule 3

(Statement)   All students in the class are Indian

(Conclusion)   (Some) students are Indian

(TRUE)

Statment → All ⎱ True
concl → some ⎰ True

Observations

(I) Draw all posibilities from the given statement.

(II) For a conclusion to be TRUE, it has to be true in all possibility.

(III) If a conclusion is FALSE even in one possibility then it will be considered as FALSE forever.
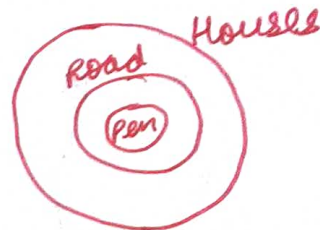
Date
26/02/23   Page 87   (All — All) ⇒ ②
                  (Q-1+4)

①
statement   1. All pens are roads.
            2. All roads are houses

                    P   X
                 Ⓦ

Conclusion 1. All houses are pens
            2. Some houses are pens ✓

Road Houses
  Pen

87) Ⅱ Scenario **All-some** → ③ photos ① ———— ②

② Statements: 1. **All birds are tall** ① ② ②

2. **Some tall are hens** ② ②

Conclusions: I. Some birds are hens (✗)

II. Some hens are tall (✓)

tall   hens   tall   hens
(birds)   (birds)

tall   hens
birds
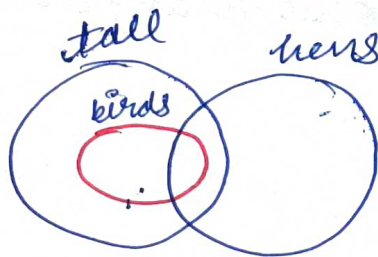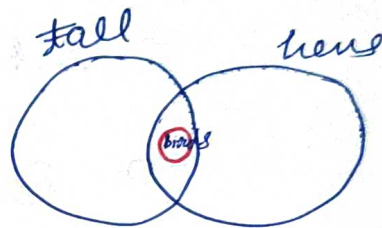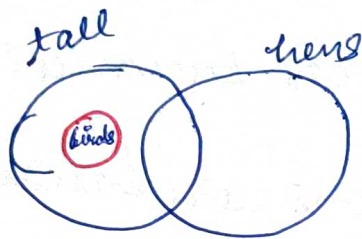
another scenario **all-some**

Statements: ① **All tall are birds**
            ② **Some tall are hens**

Birds   Birds
tall   hens   tall   hens   tall   hens
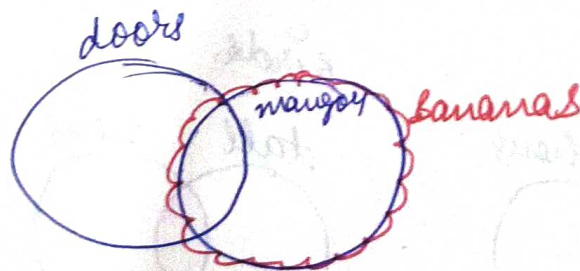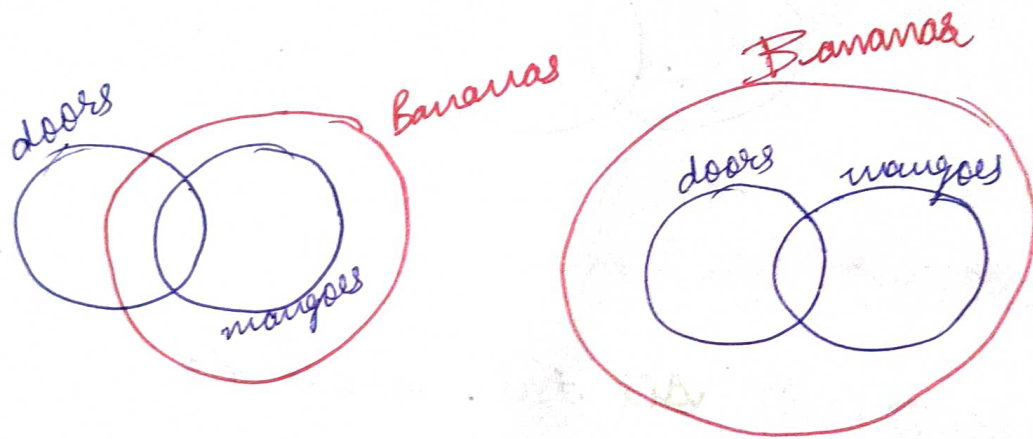   birds
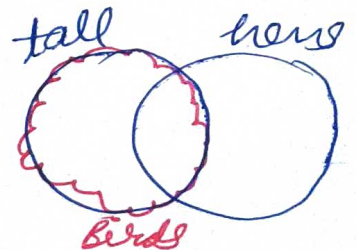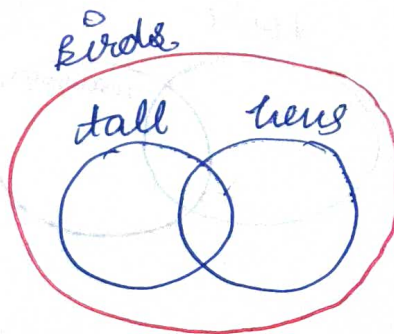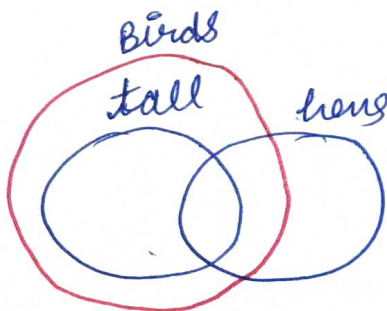
Q.9

Statement

① **Some** doors are mangoes

② **All** mangoes are bananas

conclusion

① All bananas are mangoes (×)

② All doors are bananas (×)

③ Some doors are bananas (✓)

④ Some mangoes are doors. (✓)

Q.3

Statements:
1. MOST teachers are boys.
2. Some boys are students.

most → some

Conclusions:
I. Some students are boys.
II. Some teachers are students.

* All } ① photo   All } ③ photos   Some } ④ photos
  All   Some   Some

To co interconnected nahi hai unka Banao.

teacher   boys   Students

teacher Student   boys

Student

3 Students   teacher   boys

boys   teacher   Student