Logical Reasoning

☑ Syllogism :

two statements are used to prove that a third statement is true, for example -

All human are mortal; I am human.
→ Therefore I am mortal.

☑ Rules:

All + All = All	Some + All = Some
All + No = No	Some + No = Some Not
All + Some = No conclusion	Some + Some = No conclusion

No + All = Some Not (Reversed)

No + Some = Some Not (Reversed)

No + No = No conclusion

Some Not / Some Not Reversed + Anything = No conclusion

⊙ Conclusion to posibility:

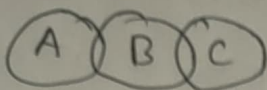if All A are B - Then Some B are Not A is a posibility

if Some B are Not A — Then All A are B is a posibility

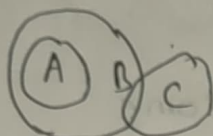if Some A are B — Then All A are B is a posibility
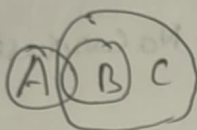
All B are A is a posibility
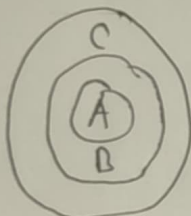
Question

More tricks:

① Some A are B, some B are c

② All A are B, some B are C

③ Some A are B, all B are c

④ All A are B, all B are c


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Some → All  = Connected
All → All   = Connected        ***
All → Some  = Not connected
Some → Some = Not connected
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Example:

Some trees are jungles
All jungles are stones
All stones are buildings.

Some ≠ All ≠ Conn
All + All ⇒ correct

Conclusion:

I. Some building are tree
II. Some stones are tree

Ans → (I) & (II) both follows.

☑ Direction Test!

N
W — E
S

NW — N — NE
W — E
SW — S — SE
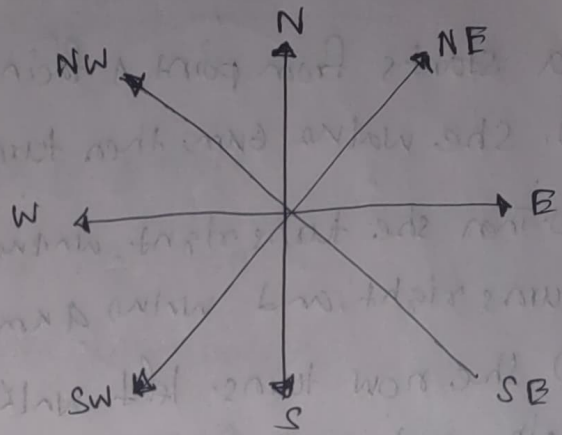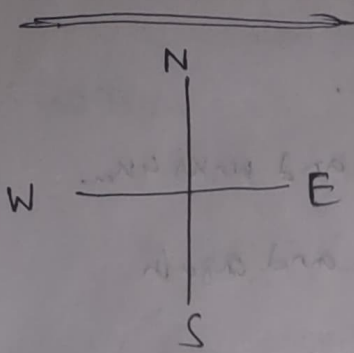
☑ Left & Right TURN RULES

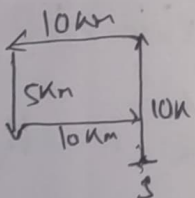| Current Facing	Left Turn (ACW)	Right Turn (CW)
N	W	E
S	E	W
E	N	S
W	S	N

Exampl!

① P 10km went to North, then he turned west and walked 10 km, Then he turned south and walked 5 km, Finally he turned east and walked 10 km. In which Diarection from his starting point.
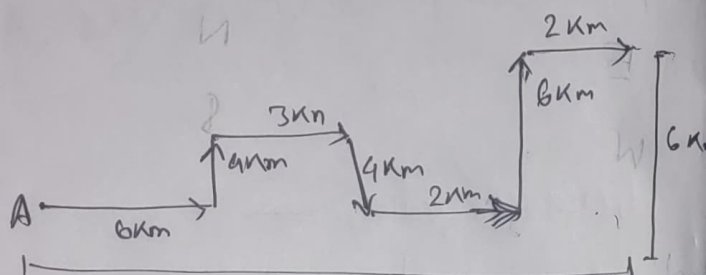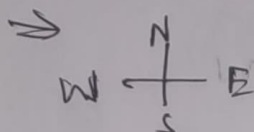
⇒ N
W + E
S

10km
5km   10k
10km

N

Q5

Sita starts from point A facing East.

① She walks 6km, then turns left and walks 4km.

② Then she turns right, walks 3km, and again turns right and walks 4km.

③ She now turns left walks 2 km, turns left again, and walks 6km.

④ Finally, she turns right and walks 2km.

Q (1) what direction is sita facing Now?

(2). How far is she from her starting point (A)?

→ N
W ┼ E
   S

So Now
① Sita is facing East direction

(2) The distance is

$$= \sqrt{(6+3+2+2)^2 + (6)^2} = \sqrt{(13)^2 + (6)^2}$$

$$= \sqrt{205}$$

$$\approx 14.32 \text{ Km}$$

SEATING ARRANGEMENT

🔲 Type →
- Row (linear arrangement)
- Circle (circular arrangement)
- rectangle / square (box-based)
- double row
-

🔲 Facing center

LEFT ⟶ RIGHT

Anti-clockwise   Clockwise

🔲 Facing outward

LEFT ⟵ ⟶ RIGHT

Clockwise   Anti clockwise

● Q, Eight people — A, B, C, D, E, F, G, H — are sitting around a circular table, all facing center.

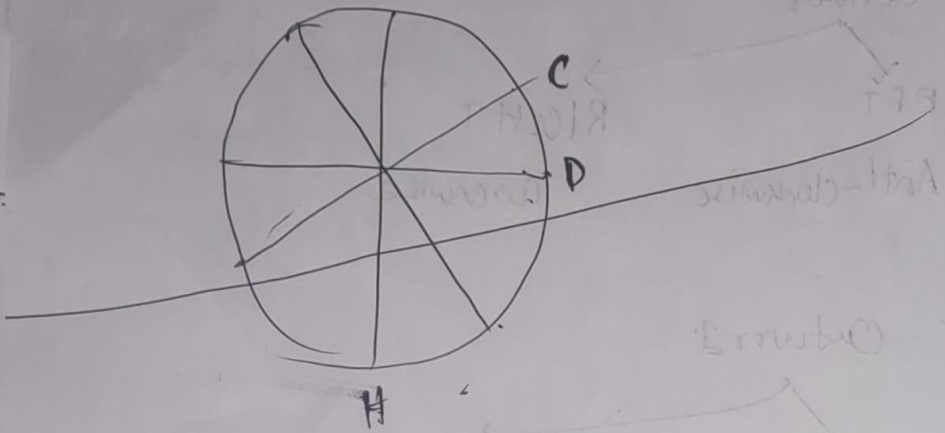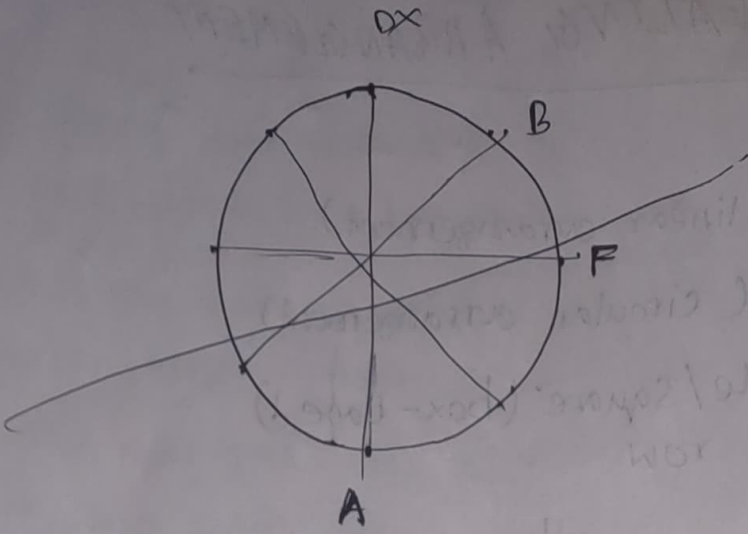- A is second to the left of F
- C is immediate neighbor of A
- B is third to the right of A
- A is second to the right of D.
- C is third to the right of A
- G is second to the right of E
- D is not an immediate neighbor of B

OX

B

F

A

C

D

H

Q2> K,L, C, E, H, T and P are sitting around a circular table facing the centere, but not necessarily in the same order. T is third to the right of H, L is fourth to the left of P. P is to the immediate right of A. C is fourdh to the right of B. B is not an immediate neighbor of T.

Paper Cutting and Folding Top Tricks
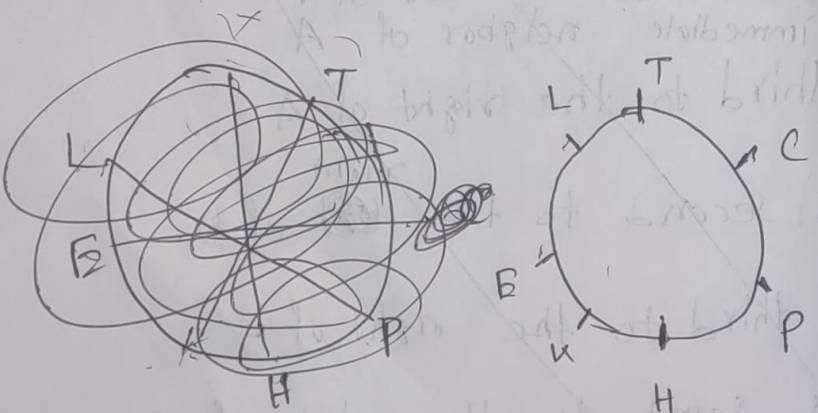
① Option elimination

Image Test:
check option

☑ **Statement & Assumption**

point to Remember

① Always Remember that Assumption is always indefinite and positive.

② Any assumption that is conveying the message of advertisement, notice and appeal, that assumption will always be implicit (True).

③ Any assumption that is talking about social welfare (Positive), govt. policies that assumption will be always be implicit (True).

④ If any assumption is talking about Past and Future that assumption will be always be explicit (False)

⑤ If any Assumption showing the word like suggestion, order, request that will always be Implicit (True)

⑥ Remember that Restatement is never implicit.

⑦ comparison is always wrong.