DATA SUFFICIENCY

- KOUSTAV

1. **Question:** In which year was Rahul born?
Statements:
I. Rahul at present is 25 years younger to his mother.
II. Rahul's brother, who was born in 1964, is 35 years younger to his mother.

(A) Statement I alone is sufficient to answer the question, while statement II alone is not.

(B) Statement II alone is sufficient to answer the question, while statement I alone is not.

(C) If either statement I alone or statement II alone is sufficient to answer the question

(D) If both the statements together are NOT sufficient to answer the question

(E) If both the statements together are necessary to answer the question. ✓

$R = M - 25$

$B = M - 35$

2. **Question:** What will be the total weight of 10 poles, each of the same weight?

Statements:
I. One-fourth of the weight of each pole is 5 kg.
II. The total weight of three poles is 20 kilograms more than the total weight of two poles.

(A) Statement I alone is sufficient to answer the question, while statement II alone is not.

(B) Statement II alone is sufficient to answer the question, while statement I alone is not.

(C) If either statement I alone or statement II alone is sufficient to answer the question

(D) If both the statements together are NOT sufficient to answer the question

(E) If both the statements together are necessary to answer the question.

$$\frac{1}{4}P = 5 \qquad P = 20$$

$$3P = 2P + 20$$

$$P = 20$$

3. **Question:** How many children does M have?
Statements:
I. H is the only daughter of X who is the wife of M.
II. ~~K and J are brothers of M.~~

(A) Statement I alone is sufficient to answer the question, while statement II alone is not.

(B) Statement II alone is sufficient to answer the question, while statement I alone is not.

(C) If either statement I alone or statement II alone is sufficient to answer the question

(D) If both the statements together are NOT sufficient to answer the question

(E) If both the statements together are necessary to answer the question.

$$(-)X \Longleftrightarrow M(+)$$
$$\downarrow$$
$$(-)H$$

4. **Question:** How much was the total sale of the company?
Statements:
I. The company sold 8000 units of product A each costing Rs. 25.
II. This company has no other product line.

(A) Statement I alone is sufficient to answer the question, while statement II alone is not.

(B) Statement II alone is sufficient to answer the question, while statement I alone is not.

(C) If either statement I alone or statement II alone is sufficient to answer the question

(D) If both the statements together are NOT sufficient to answer the question

(E) If both the statements together are necessary to answer the question.

5. Question: The last Sunday of March, 2006 fell on which date?

Statements:

I. The first Sunday of that month fell on 5th.

II. The last day of that month was Friday.

(A) Statement I alone is sufficient to answer the question, while statement II alone is not.

(B) Statement II alone is sufficient to answer the question, while statement I alone is not.

(C) If either statement I alone or statement II alone is sufficient to answer the question

(D) If both the statements together are NOT sufficient to answer the question

(E) If both the statements together are necessary to answer the question.

6. **Question:** What is the code for 'sky' in the code language?

Statements:

I. In the code language, 'sky is clear' is written as 'de ra fa'.

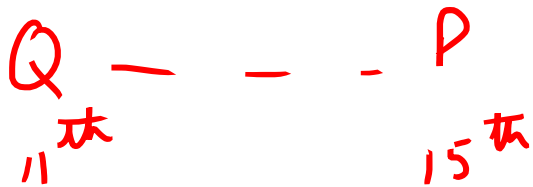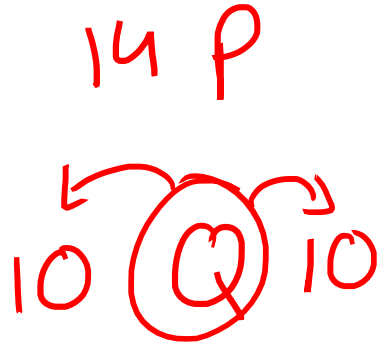II. In the same code language, 'make it clear' is written as 'de ga jo'.

(A) Statement I alone is sufficient to answer the question, while statement II alone is not.

(B) Statement II alone is sufficient to answer the question, while statement I alone is not.

(C) If either statement I alone or statement II alone is sufficient to answer the question

(D) If both the statements together are NOT sufficient to answer the question

(E) If both the statements together are necessary to answer the question.

7. Question: How many children are there between P and Q in a row of children?

Statements:
I. P is fifteenth from the left in the row.
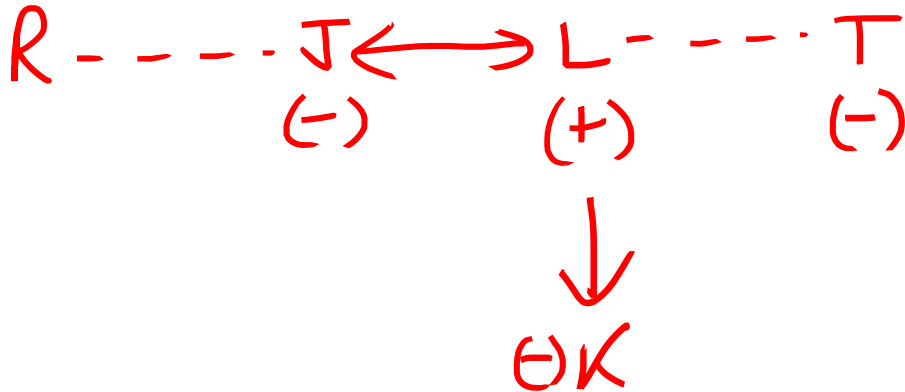II. Q is exactly in the middle and there are ten children towards his right.

(A) Statement I alone is sufficient to answer the question, while statement II alone is not.

(B) Statement II alone is sufficient to answer the question, while statement I alone is not.

(C) If either statement I alone or statement II alone is sufficient to answer the question

(D) If both the statements together are NOT sufficient to answer the question

(E) If both the statements together are necessary to answer the question.

8. **Question:** How is T related to K?

Statements:

I. R's sister J has married T's brother L, who is the only son of his parents.
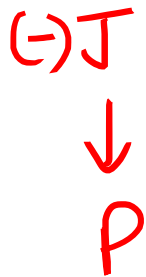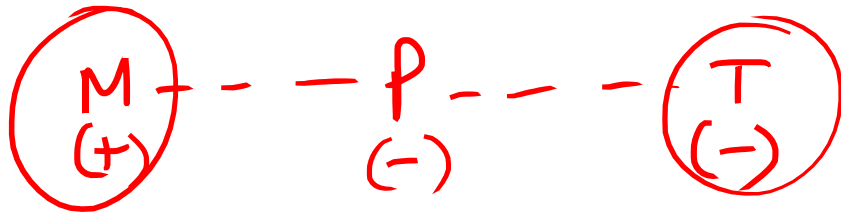
II. K is the only daughter of L and J.

(A) Statement I alone is sufficient to answer the question, while statement II alone is not.

(B) Statement II alone is sufficient to answer the question, while statement I alone is not.

(C) If either statement I alone or statement II alone is sufficient to answer the question

(D) If both the statements together are NOT sufficient to answer the question

(E) If both the statements together are necessary to answer the question.

R ----- J ⟷ L --- T
        (−)   (+)   (−)

↓

(−)K

9.   **Question:** How is J related to P?
Statements:
I. M is brother of P and T is sister of P.
II. P's mother is married to J's husband who has one son and two daughters.

(A) Statement I alone is sufficient to answer the question, while statement II alone is not.

(B) Statement II alone is sufficient to answer the question, while statement I alone is not.

(C) If either statement I alone or statement II alone is sufficient to answer the question

(D) If both the statements together are NOT sufficient to answer the question

(E) If both the statements together are necessary to answer the question.

M (+) — — — P (−) — — — T (−)

(−) J
↓
P

10.   Question: How is X related to Y?

Statements:

I. Y and Z are children of D who is wife of X.

II. R's sister X is married to Y's father.

(A) Statement I alone is sufficient to answer the question, while statement II alone is not.

(B) Statement II alone is sufficient to answer the question, while statement I alone is not.

(C) If either statement I alone or statement II alone is sufficient to answer the question

(D) If both the statements together are NOT sufficient to answer the question

(E) If both the statements together are necessary to answer the question.

$$(-)D \Longleftrightarrow X(+)$$
$$\downarrow$$
$$Y - - - Z$$

$$R - - - X(-) \Longleftrightarrow F(+)$$
$$\downarrow$$
$$Y$$

ANSWER KEY – DATA SUFFICIENCY

QUESTION	ANSWER
1	E
2	C
3	D
4	E
5	C
6	D
7	E
8	E
9	B
10	C