

Problems on Blood relation

Blood Relation 7



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Placement for ALL. All for Placement

This Video Completely covers the problems on "Blood Relation" which is more than sufficient for all kind of placement Exams eg: TCS/WIPRO/AMCAT/ELITMUS/CoCubes and all other placement Exams.

Blood Relation by : Pratik Shrivastava(10 years of industry experience and best Aptitude trainer)

Blood Relation:

Introduction:

The questions which are asked in this section depend upon *Relation*. You should have a sound knowledge of the blood relation in order to solve the questions.

To remember easily, the relations may be divided into two sides as given below:

A. Relations of Paternal side:

Father's father → Grandfather

Father's mother → Grandmother

Father's brother → Uncle

Father's sister → Aunt

Children of uncle → Cousin

Wife of uncle → Aunt

Children of aunt → Cousin

Husband of aunt → Uncle

Blood Relation

B. Relations of Maternal side:

Mother's father → Maternal grandfather

Mother's mother → Maternal grandmother

Mother's brother → Maternal uncle

Mother's sister → Aunt

Children of maternal uncle → Cousin

Wife of maternal uncle → Maternal aunt

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Niece : Daughter of Brother or Sister

Nephew : Son of Brother or Sister

Blood Relation

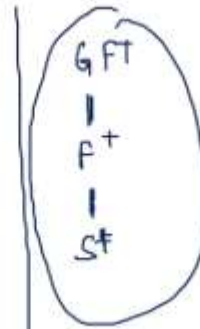
✓ Blood Relation Tree (identify the relation)

* $\left[\begin{array}{l} \text{① Male} \rightarrow (+) \checkmark \\ \text{② female} \rightarrow (-) \checkmark \end{array} \right]$

* $[H^{(+)} = W^{(-)}]$ Husband & wife

* $[B^{+} - S^{-}]$ brother & sisters

* $\begin{array}{c|c} F^{+} & M^{-} \\ \hline S^{+} & D^{-} \end{array} \rightarrow$



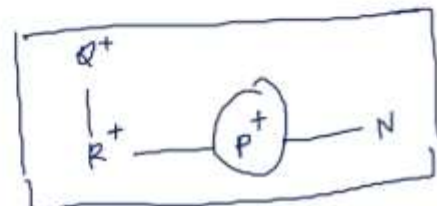
Blood Relation

Q1. If $A + B$ means A is the mother of B; $A \times B$ means A is the father of B; $A \$ B$ means A is the brother of B and $A @ B$ means A is the sister of B then which of the following means P is the son of Q?

(A) $Q + R @ P @ N$ (B) $Q + R * P @ N$
(C) $Q \times R \$ P @ N$ (D) $Q \times R \$ P \$ N$

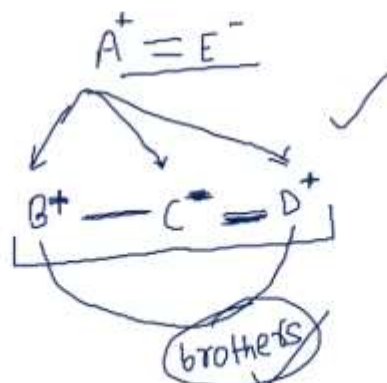
✓ $A + B \Rightarrow \begin{array}{c} A^{-} \\ | \\ B \end{array}$ ✓ $A \$ B \Rightarrow \begin{array}{c} A^{+} - B \\ \hline \end{array}$
✓ $A \times B \Rightarrow \begin{array}{c} A^{+} \\ | \\ B \end{array}$ ✓ $A @ B \Rightarrow \begin{array}{c} A^{-} - B \\ \hline \end{array}$

P is son of Q
Blood Relation Tree
 $Q \times R \$ P \$ N$



Blood Relation:

Q2. A has 3 children. B is the brother of C and C is the sister of D, E who is the wife of A is the mother of D. There is only one daughter of the husband of E. What is the relation between D and B? brothers ✓



[Type-3]

Blood Relation:

Q3. Pointing to a photograph, Rekha says to Lalli, "The girl in the photo is the second daughter of the wife of only son of the grandmother of my younger sister." How this girl of photograph is related to Rekha?

Solution:

[Sister]



my younger sister → GM

✓ Rekha → GM ✓

✓ Rekha → father

✓ Rekha → Mother

✓ Rekha → Sister

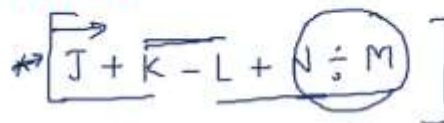
Blood Relation:

Q4. Which of the following is true for the given expression, if 'Q + R' means 'Q is father of R', 'Q ÷ R' means 'R is brother of Q', 'Q × R' means 'Q is husband of R', 'Q - R' means 'Q is sister of R'?

'J + K - L + N ÷ M'

1. K is aunt of N and M 2. K is father of M 3. N is sister of M
4. J is father of N 5. None of these

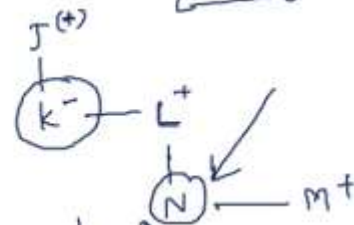
father sis
→ Aunt



N ÷ M
→ M is brother of N

Gender

J + R →
[BRT]



Blood Relation:

Direction (5-7): Study the following information carefully to answer the given questions:

[Sani is sister of Ram], Arun is brother of Gaurav Arun has only one son. Megha is the wife of Arun, Megha is the daughter of Sani. Ram is brother-in-law of Vivek Raghav is the husband of Kriti and son of Megha, Ram is unmarried.

[very good]

Q5. how is Vivek related to Raghav?

1. Grandmother 2. Father 3. Mother 4. Uncle 5. grandfather

Ram brother-in-law of Vivek
Vivek brother-in-law of Ram

Gaurav
↑
decide
X emotional
here



Sani(-)

Ram(+)

Megha(-)

Arun(+)

Raghav(+)

Kriti(-)

Grand father

Gender of

Gaurav(+/-)

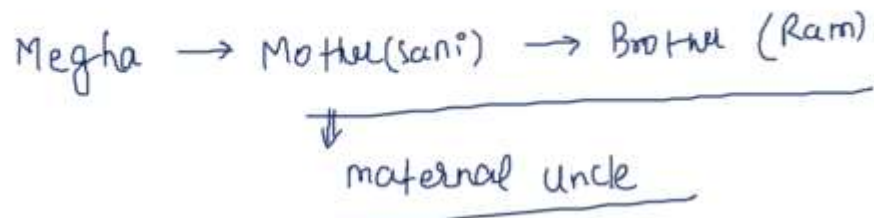
Blood Relation:

Direction (5-7): Study the following information carefully to answer the given questions:

Sani is sister of Ram. Arun is brother of Gaurav Arun has only one son. Megha is the wife of Arun, Megha is the daughter of Sani. Ram is brother-in-law of Vivek Raghav is the husband of Kriti and son of Megha, Ram is unmarried.

7. How is Ram related to Megha?

1. Mother 2. Father 3. Aunt 4. Maternal Uncle 5. None of these



Blood Relation

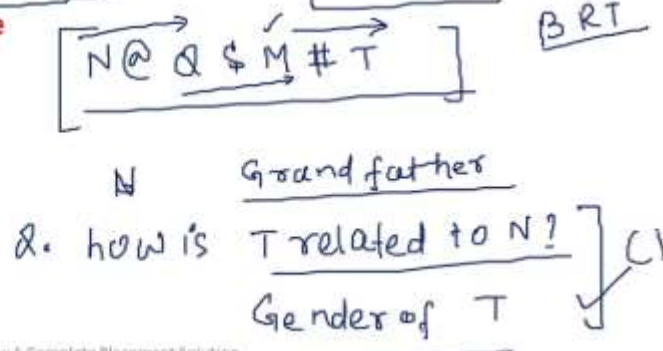
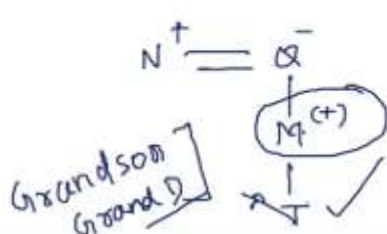
Directions (8-10): Study the following information carefully to answer these questions.

- (i) 'M \$ N' means 'M is mother of N'
 (ii) 'M # N' means 'M is father of N'
 (iii) 'M @ N' means 'M is husband of N'
 (iv) 'M % N' means 'M is daughter of N'

Q8. If N @ Q \$ M # T, then how is N related to T?

- a. Maternal grandfather b. Paternal grandfather c. Maternal grandmother
 d. Paternal grandmother e. None of these

Solution:



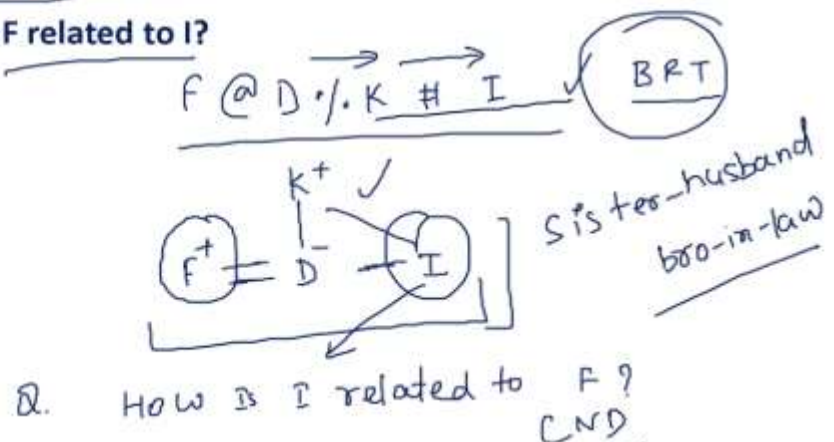
Blood Relation

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 (iii) 'M @ N' means 'M is husband of N'
 (iv) 'M % N' means 'M is daughter of N'

Q9. If F @ D % K # I, then how is F related to I?

- Brother-in-law
 Sister
 Sister-in-law
 Cannot be determined
 None of these



Blood Relation

Directions (8-10): Study the following information carefully to answer these questions.

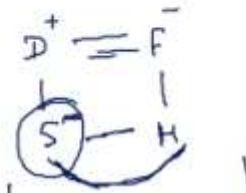
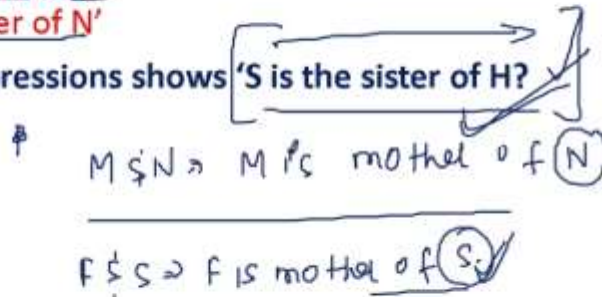
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- (iii) 'M @ N' means 'M is husband of N'
- (iv) 'M % N' means 'M is daughter of N'

Q10. Which of the following expressions shows 'S is the sister of H'?

- SSD@F\$H ✓
- H%D@F\$S ✗
- S%D@F\$H ✓
- H%D@F\$S ✗

None of these

eliminate

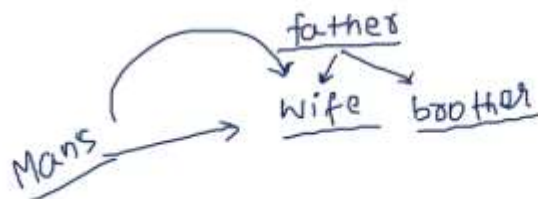


Blood Relation

Q11. Pointing to a woman in the photograph, a man said, "Her brother is the only son of my wife's father who has only two childs." How is the woman in the photograph related to the man?

- 1. Wife 2. Sister 3. Sister-in-law 4. Either (a) or (c) 5. None of these

Solution:



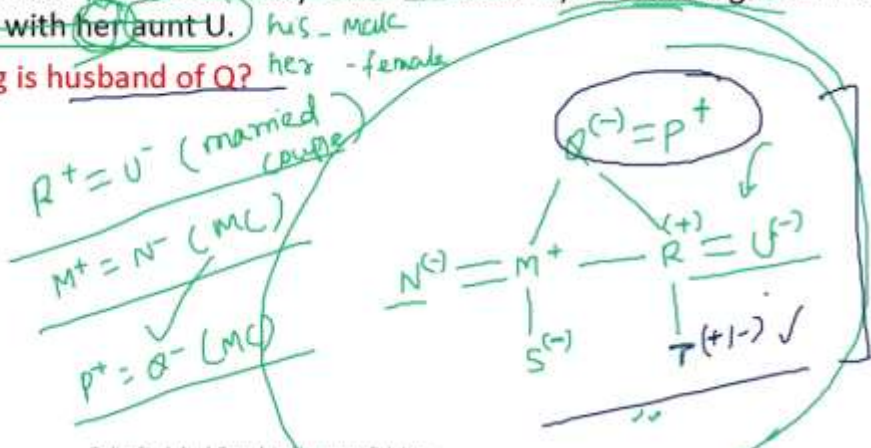
Blood Relation:

Directions (12-16): Study the following information carefully and answer the questions given below:

M, N, P, Q, R, S, T and U are eight family members. Three couples are there in the family. They along with their children live in three different cities, viz Patna, Kolkata and Ranchi, but not necessarily in the same order. Q is mother of M and R. M is father of S and uncle of T. The one who is married with U lives in Kolkata. U is the only sister-in-law of N, who is daughter-in-law of P. S neither lives in Patna nor with her aunt U.

12. Who among the following is husband of Q?

- 1) U
- 2) N
- 3) P
- 4) can't be determined
- 5) none of these



Directions (17-20):

These questions are based on the following information.

'P@Q' means 'Q is the mother of P'

'P\$Q' means 'Q is the husband of P'

'P#Q' means 'Q is the sister of P'

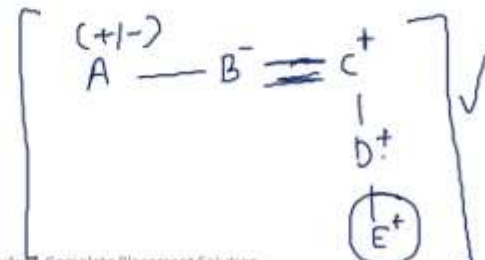
'P*Q' means 'Q is the son of P'.

Q17. If 'A # B \$ C * D * E' then how is E related with B?

- (a) son
- (b) daughter
- (c) Grand daughter
- (d) Grand son
- (e) None of these

$A \# B \ \$ \ C \ * \ D \ * \ E$

Grandson



Directions (17-20):

These questions are based on the following information.

'P@Q' means 'Q is the mother of P'

'P\$Q' means 'Q is the husband of P'

'P#Q' means 'Q is the sister of P'

'P*Q' means 'Q is the son of P'.

Q18. If 'A * B @ C * D # E' then how is A related with E?

- (a) son
- (b) daughter
- (c) Father
- (d) mother
- (e) None of these

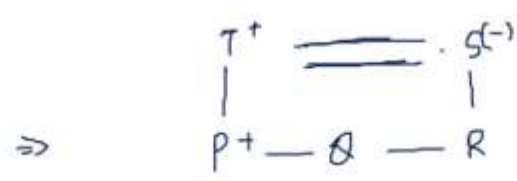
$A * B \ @ \ C \ * \ D \ \# \ E$



Directions (17-20):

Q19. P is the brother of Q and R. S is R's mother. T is P's father. Which of the following statements cannot be definitely true?

- A) T is Q's father
- B) S is P's mother
- C) P is S's son
- D) Q is T's son

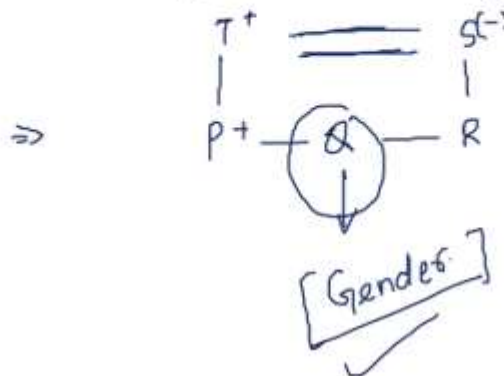


Directions (17-20):

Q19. P is the brother of Q and R. S is R's mother. T is P's father. Which of the following statements cannot be definitely true?

- A) T is Q's father B) S is P's mother C) P is S's son D) Q is T's son

Option (D)



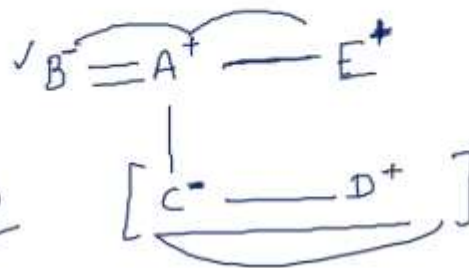
Directions (17-20):

Q20. A is father of C and D is son of B. E is brother of A. If C is sister of D, how is B related to E?

- A) Daughter B) Brother C) Husband D) Sister-in-law

BRT

brother-wife
sister-in-law



Q21. Data Sufficiency:

- 1) If the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question.
 2) If the data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question.
 3) If the data either in statement I alone or in statement II alone are sufficient to answer the question.
 4) If the data in both the statements I and II together are not sufficient to answer the question.
 5) If the data in both the statements I and II together are necessary to answer the question.

Questions :How many son and daughter Mr. Varun has?

1 son & 2 daughters
varun

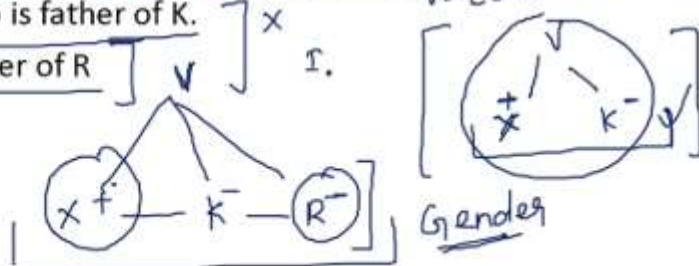
I. X is the only son of Mr. Varun, who is father of K.

II. X is brother of K, who is the only sister of R

Solution:

I alone
2 alone

2.



Q22. Pointing to a photograph, a lady tells Pramod, "I am the only daughter of this lady and her son is your maternal uncle." How is the speaker related to Pramod's father?

- A) Sister-in-law ☒ B) Wife
C) Either (a) or (b) D) Neither (a) nor (b)

