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Blood Relation Questions for Bank Exams (IBPS PO Pre, IBPS Clerk, SBI PO Pre & SBI Clerk)

Blood Relations Quiz 5

Directions: Read the following information carefully and answer the question given below:

If 'A × B' means 'A is father of B'.
If 'A + B' means 'A is wife of B'.
If 'A ÷ B' means 'A is daughter of B'.
If 'A – B' means 'A is son of B'.

1.   How is L related to Q in the expression 'L ÷ M × O – P ÷ Q'?

A. Granddaughter   B. Niece   C. Daughter-in-law   D. Daughter   E. Can't be determined

2.   What will come in the place of the question mark, to establish that Q is the nephew of T in the expression: 'Q ? R ÷ S × T' ?

A. +   B. ×   C. –   D. ÷   E. Either – or ÷

3.   Which of the following relations are true based upon the relations given in the equation:

'A – B × C + D – E' ?

A. C is mother of A   B. D is brother of A   C. E is mother-in-law of C   D. E is the father D
D. None is true

4.   What should come in the place of the question mark (?), to establish that 'B is the child of K' in the following expression?

T % K # F % L + N ? B

A. Only '%'   B. Either '+' or '@'   C. Only '#'   D. Either '@' or '%'   E. Only '+'

5.   Which of the following expressions denotes that 'J is the wife of F' ?

A. P $ J % R + K % F   B. F @ R + K + P % J   C. J % P + K @ R $ F
D. J % P # K + R % F   E. R @ P + K $ F @ J

6. If 'B × C' means 'B is the daughter of C', 'B + C' means 'B is the husband of C' and 'B – C' means 'B is the sister of C', then what does 'M + N – P × Q' mean?

A. M is the brother-in-law of Q   B. M is the uncle of Q   C. M is the son-in-law of Q
D. Q is the mother-in-law of M   E. None of these

7. Which of the following pairs of people represent first cousins with regard to the relations given in the expressions, if it is provided that A is the sister of J:

L > V < J + P' and 'S × A < D + F < E + K'

A. LP   B. SP   C. SK   D. SF

8. What will come in place of the question mark, if it is to establish that M is the grandmother of F in the expression:

'F × R < S ? M'.

A. >   B. <   C. +   D. ×   E. Can't be determined

9. What will come in the place of the question mark, to establish that P is the son-in-law of S in the expression:

'P × Q + R – T ? S

A. +   B. ×   C. –   D. ÷   E. Either + or ÷

10. P is father of R but R is not his son. T is daughter of R. U is spouse of P. Q is brother of R. S is son of Q. V is spouse of Q. W is father of V. Who is the maternal grandfather of S?
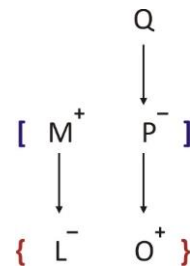
A. W   B. R   C. P   D. Can't be determined
E. None of these

Correct Answers:

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

Explanations:

1.

$$Q$$
$$\downarrow$$
$$[\ M^+ \quad P^- \ ]$$
$$\downarrow \qquad \downarrow$$
$$\{ \ L^- \quad O^+ \ \}$$

It's clear from the family tree that L is granddaughter of Q.

Hence, the option A is correct.

2.

$$S^+$$
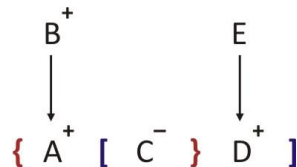$$\downarrow$$
$$\{ \ R^- \quad T^+ \ \}$$
$$\downarrow$$
$$Q^+$$
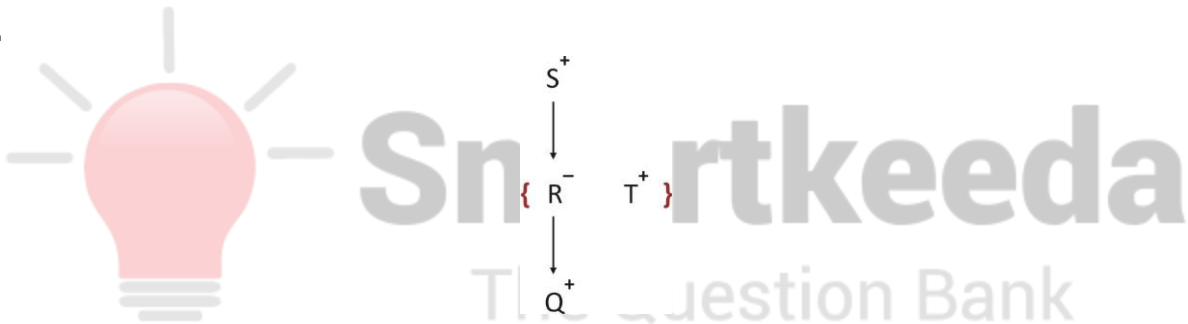
It's evident from the family tree that for Q's being a nephew of T, Q must be a son of T's sister R. Therefore, only the symbol of '-' between Q and R can be placed here.
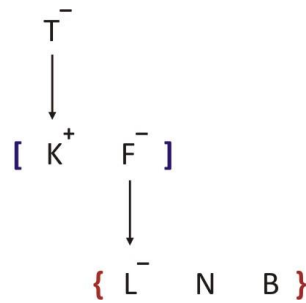
Hence, the option C is correct.

3.

$$B^+ \qquad\qquad E$$
$$\downarrow \qquad\qquad\quad \downarrow$$
$$\{ \ A^+ \ [\ C^- \ \} \ D^+ \ ]$$

It's clear from the family tree that no option is satisfying the relationship and hence 'None is true'.

Hence, the option D is correct.

4.

$$T^-$$
$$\downarrow$$
$$[\; K^+ \quad F^- \;]$$
$$\downarrow$$
$$\{\; L^- \quad N \quad B \;\}$$

It's clear from the family tree that for B's being a child of K, it must be a sibling of L or N and for that either the sign of '+' or '@' will suffice.
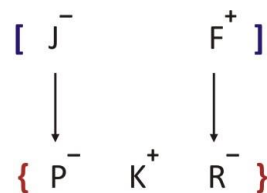
Hence, the option B is correct.

5.   In this type of coded relation questions, we can immediately eliminate the options in which the primary person whose relation with gender we need to confirm, comes at the end.

For instance in this question we need to confirm that J is 'wife' of.. and it's clear that for being a wife of someone, one needs to be a female first and if J comes at the end and right before it if there's no symbol that denotes a 'Husband-Wife' relationship, we'll not be able to confirm its gender and hence, there's no point in checking the equation further.

We can, therefore, eliminate the option B and the option E straightforward.
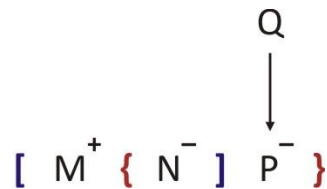
After checking the option A which doesn't satisfy the relationship, option C is found correct.

$$[\; J^- \qquad F^+ \;]$$
$$\downarrow \qquad\qquad \downarrow$$
$$\{\; P^- \quad K^+ \quad R^- \;\}$$

It's clear from the family tree that P, K and R's parents are J and F and it's also evident that J is wife of F.

Hence, the option C is correct.

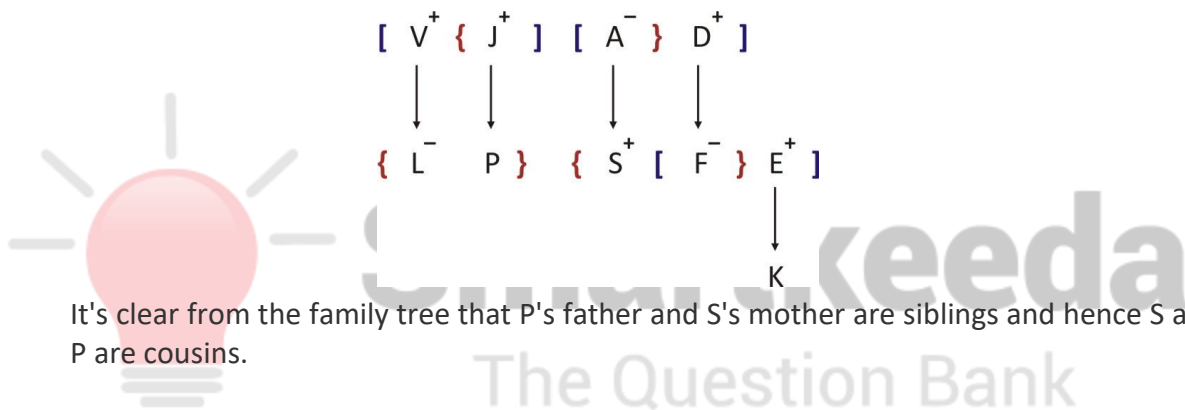**6.**

$$Q$$
$$\downarrow$$
$$[\ M^+\ \{\ N^-\ ]\ P^-\ \}$$

It's clear from the family tree that Q is either mother or father of M's wife N and her sister P. Therefore, M is son-in-law of Q.

Hence, the option C is correct.

7.

$$[\ V^+\ \{\ J^+\ ]\ [\ A^-\ \}\ D^+\ ]$$
$$\downarrow\quad\downarrow\qquad\downarrow\quad\downarrow$$
$$\{\ L^-\quad P\ \}\ \{\ S^+\ [\ F^-\ \}\ E^+\ ]$$
$$\downarrow$$
$$K$$

It's clear from the family tree that P's father and S's mother are siblings and hence S and P are cousins.

Hence, option B is correct.

8.   As M is coming at the end of the equation we can deduce it's gender in only one scenario in which a symbol denotes a 'Husband-Wife' relationship. In all other cases, to find the gender of the person that's coming at the end of a coded relation equation is not possible.
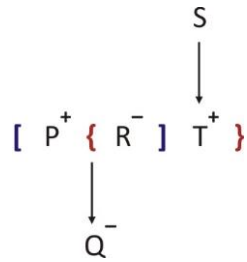
And out of given symbols, '<' denotes that the former is wife of the latter. But if we put this symbol in place of the question mark the relations would become like:

R is wife of S (which confirms S as Husband) and S is wife of M (which is not possible as S has already been confirmed as a male.)

Hence, the data is inadequate to determine the equation.
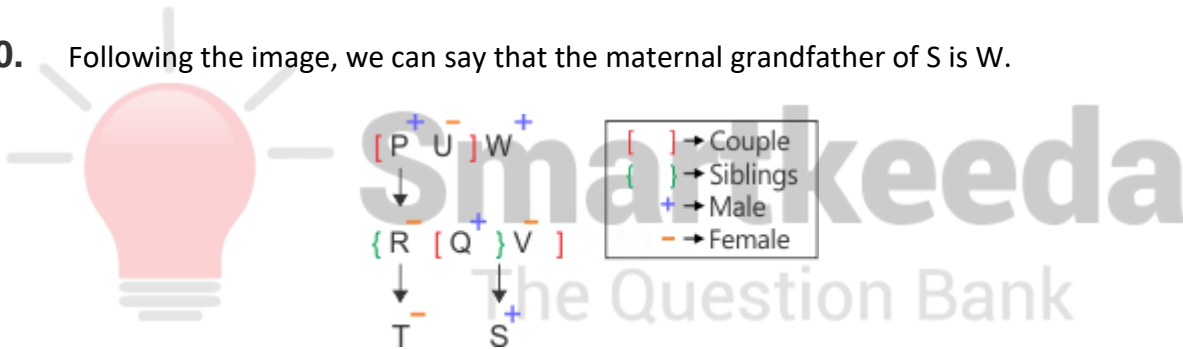
Hence, option E is correct.

9.

$$S$$
$$\downarrow$$
$$[\ P^{+}\ \{\ R^{-}\ ]\ T^{+}\ \}$$
$$\downarrow$$
$$Q^{-}$$

It's clear from the family tree that for P's being son-in-law of S, S must be either father or mother of P's brother-in-law; T. Therefore, either a '+' sign or the sign of division right after T in the equation will suffice.

Hence, option E is correct,

10.   Following the image, we can say that the maternal grandfather of S is W.

Hence, the correct answer is option A.