

Quiz Date: 16<sup>th</sup> July 2020

**Directions (1-2):** Read the following information carefully and answer the question which follows:

IF 'A × B' means 'A is son of B'

IF 'A + B' means 'A is daughter of B'

IF 'A ÷ B' means 'A is wife of B'

IF 'A - B' means 'A is Father of B'

Q1. What will come in the place of the question mark, to establish that M is mother of J in the expression?

'J + K - L ? M'

- (a) +
- (b) ×
- (c) -
- (d) ÷
- (e) Either (a) or (b)

Q2. Which of the following relations are true based upon the relations given in the question?

J ÷ K × L - M + N'?

- (a) K is brother of N
- (b) J is daughter-in-law of M
- (c) J is daughter-in-law of N
- (d) N is daughter of L
- (e) None is true

Direction (3-4): Read the following information carefully and answer the questions given below:

There are seven members S, T, U, V, W, X and Y in a family among them only 3 females. S is married to V. W is grandson of V who has two children. U is sister in law of Y who is unmarried. X is brother in law of S who is mother in law of U.

Q3. How X is related to Y?

- (a) Uncle
- (b) Brother
- (c) Mother
- (d) Sister
- (e) Grandson

Q4. Who among the following is the father of W?

- (a) U
- (b) T
- (c) X
- (d) Y

(e) None of these

Directions : (5-7) Study the following information carefully and answer the questions which follow-

'P - Q' means 'P is father of Q'

'P ÷ Q' means 'P is sister of Q'

'P × Q' means 'P is mother of Q'

'P + Q' means 'P is brother of Q'

Q5. Which of the following means 'A is nephew of B'?

(a)  $A + C - B \times K$

(b)  $B \div H - A + D$

(c)  $B \div G - A \div R$

(d)  $B + T \times A \div E$

(e) None of these

Q6. Which of the following means 'P is grandfather of J'?

(a)  $J \div W - U - P$

(b)  $P \times G + J \div A$

(c)  $P - B \div J \div R$

(d)  $P - T - J \div S$

(e) None of these

Q7. How is R related to B in the expression 'B ÷ C - S + R'?

(a) aunt

(b) niece

(c) nephew

(d) None of these

(e) Cannot be determined

Directions (8-9): Study the information carefully and answer the questions given below.

P is father of M who is brother in law of K. N is daughter in law of Z who is grandmother of L. P has only two children one son and one daughter. X is sister in law of N. P is father in law of N. K is unmarried.

Q8. If K is wife of J then what could be the relation of J with respect to N?

(a) Brother

(b) Brother in law

(c) Uncle

(d) Cannot be determined

(e) None of these.

Q9. What is relation of L with respect to X?

(a) Nephew

- (b) Niece
- (c) Son
- (d) Daughter
- (e) Cannot be determined

Directions (10-11): Study the following information carefully to answer the given questions

$P \times Q$  means P is father of Q

$P \div Q$  means P is daughter of Q

$P + Q$  means P is sister of Q

$P - Q$  means P is husband of Q

Q10. In  $M \div N \times O - P$ , How O related to M?

- (a) Brother
- (b) Son -in-law
- (c) Father
- (d) Son
- (e) None of these

Q11. In  $G \times T + Q \div M$ , how is M related to G?

- (a) Mother
- (b) Sister
- (c) Wife
- (d) Daughter
- (e) None of these.

**Directions (12-13): Study the information carefully and answer the questions given below.**

M, N, O, P, Q and R are six family members. Q is son of P, who is not the mother of Q. N is brother of P. R and P are a married couple. O is daughter of R, who is sister of M.

Q12. How many female members are there in the family?

- (a) Two
- (b) Three
- (c) Four
- (d) Can't be determined
- (e) None of these

Q13. How is Q related to O?

- (a) Mother
- (b) Father
- (c) Sister
- (d) Brother
- (e) None of these

Directions :(14-15) Study the following information carefully and answer the questions which follow-

'P - Q' means 'P is father of Q'

'P ÷ Q' means 'P is sister of Q'

'P × Q' means 'P is mother of Q'

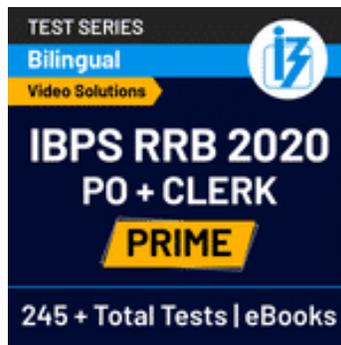
'P + Q' means 'P is brother of Q'

Q14. Which of the following means 'A is nephew of B'?

- (a)  $A + C - B \times K$
- (b)  $B \div H - A + D$
- (c)  $B \div G - A \div R$
- (d)  $B + T \times A \div E$
- (e) None of these

Q15. Which of the following means 'P is grandfather of J'?

- (a)  $J \div W - U - P$
- (b)  $P \times G + J \div A$
- (c)  $P - B \div J \div R$
- (d)  $P - T - J \div S$
- (e) None of these



Solutions

**Solution (1-2):**

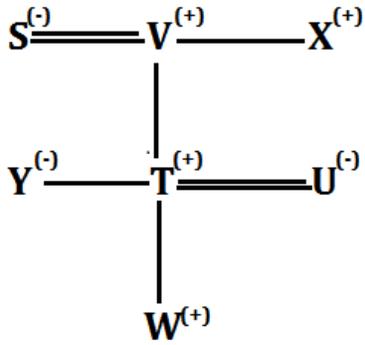
S1. Ans.(e)

Sol. J is the daughter of K and K is the father of L. So for M to be mother of J, M should be the mother of L. Hence the question mark can be replaced by either × or +.

S2. Ans.(c)

Sol. Here L and N are husband and wife. M is their daughter, K is their son and J is their daughter-in-law. Hence only (c) is true.

Solutions (3-4):



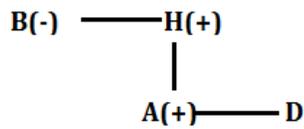
Sol.

S3. Ans. (a)

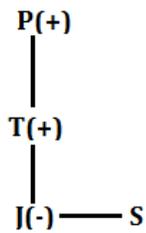
S4. Ans. (b)

Solution (5-7)

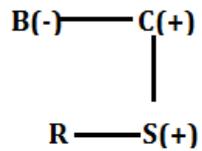
S5. Ans (b)



S6. Ans (d)



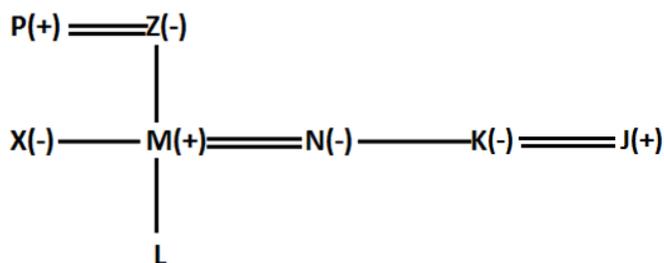
S7. Ans (e)



Solution (8-9):

S8. Ans.(b)

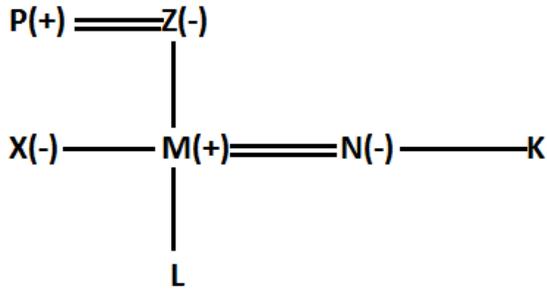
Sol.



S9. Ans.(e)

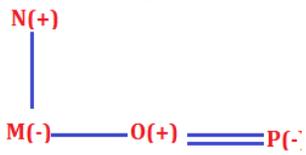
Sol.



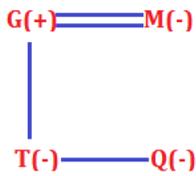


Solution (10-11):

S10. Ans. (a)



S11. Ans. (c)

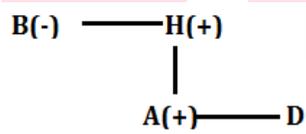


Solution (12-13):

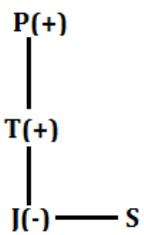
S12. Ans. (d)

S13. Ans. (d)

S14. Ans. (b)



S15. Ans. (d)





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