Quiz Date: 18th May 2020

Directions (1-3): **Study the following information carefully to answer the questions that follow:**
A is father of B and C is mother of A. E is sister of F whose daughter is G. S who is the husband of C is the grandfather of G. S has only two children. H is a sister of A. F is married to A. S has only one son.

Q1. What is the relation between F and S?
(a) F is daughter of S
(b) F is sister of S
(c) F is son of S
(d) F is daughter in law of S
(e) None of these

Q2. How E is related to B?
(a) Sister
(b) Brother
(c) Aunt
(d) Grandmother
(e) None of these

Q3. How G is related to C?
(a) Daughter
(b) Sister
(c) Grand Daughter
(d) Son
(e) Aunt

Directions (4-6): **Each of these questions is based on the following information:**
There are eight members in a family A, B, C, D, E, F, G and H, among them only two are married couples. C is mother in law of E. A is grandfather of B. H is brother in law of E. A has only two sons. D has no son. F and A are siblings. F is the uncle of D. B and G are siblings.

Q4. Who among the following is C's brother in law?
(a) F
(b) A
(c) B
(d) C
(e) None of these

Q5. How is D related to G's mother?
(a) Wife
(b) daughter
(c) Son

(d) None of these
(e) Husband

Q6. How is B related to H?
(a) Nephew
(b) aunt
(c) Niece
(d) None of these
(e) Son

Directions (7-9): **Study the information carefully and answer the questions given below.**
P + Q means P is Sister of Q
P - Q means P is brother of Q
P x Q means P is Wife of Q
P & Q means P is Mother of Q
P ÷ Q means P is of Father Q

Q7. In the expression A - C × B ÷ D, how is A related to D?
(a) Brother-in-law
(b) Sister-in-law
(c) Nephew
(d) Uncle
(e) Can't be determined

Q8. In the expression E x A ÷ K – F & N, how is N related to E?
(a) Son
(b) Daughter
(c) Grandson
(d) Can't be determined
(e) None of these

Q9. Which of the following expressions shows that R is mother of T?
(a) P + R – Q + T ÷ S
(b) P × R & Q ÷ T + S
(c) P – Q + R & S – T
(d) R + P × S ÷ Q – T
(e) None of these

Directions (10-11): **Study the following information carefully and answer the given questions:**
E, F, G, H, I and J are six family members. E and F are a married couple. I is sister of H. F is daughter-in-law of J, who is grandmother of I's brother. H is the only son of G, who is brother of E.

Q10. What is the relation of F with H?

(a) Brother
(b)Mother
(c)Uncle
(d)Aunt
(e)None of these

Q11.How is G related to I?
(a)Mother
(b)Brother
(c)Sister
(d)Father
(e)None of these

Directions (12-13): **Study the following information and answer the given questions.**
There are eight members in a family. N is father of D. E is married to N. G and D are siblings.
C is married to G. N has no son. K is father of E. Q is only daughter of C. A is brother in law of
N.

Q12. How Q is related to G?
(a) Daughter
(b) Cousin
(c) Niece
(d) Sister in law
(e) Cannot be determined

Q13. How A is related to G?
(a) Uncle
(b) Cousin
(c) Son in law
(d) Sister
(e) Brother

Directions (14-15): **Answer the questions based on the information given below:**
I. 'P × Q' means 'P is mother of Q'
II. 'P – Q' means 'P is brother of Q'
III. 'P + Q' means 'P is father of Q'
IV. 'P ÷ Q' means 'P is sister of Q'

Q14. In the expression Y + W × N ÷ M, how N related to Y?
(a) Granddaughter
(b) Son
(c) Grandson
(d) Granddaughter or Grandson
(e) None of these

Q15. Which of the following represents 'Q' is son of 'U'?

(a) Q ÷ I – G × U
(b) Q + I – G × U
(c) Q ÷ O – L × U
(d) Q + I x G ÷ U
(e) None of these
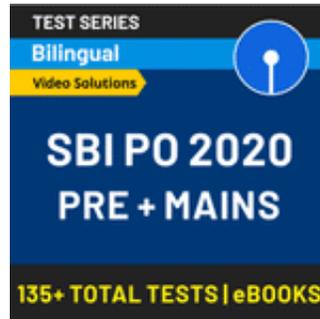
Solutions

Solution (1-3):
Sol.
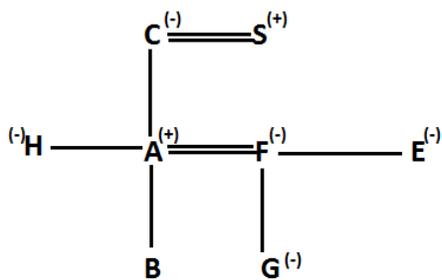
S1. Ans.(d)
S2. Ans.(c)
S3. Ans.(c)

Solutions (4-6):
Sol.
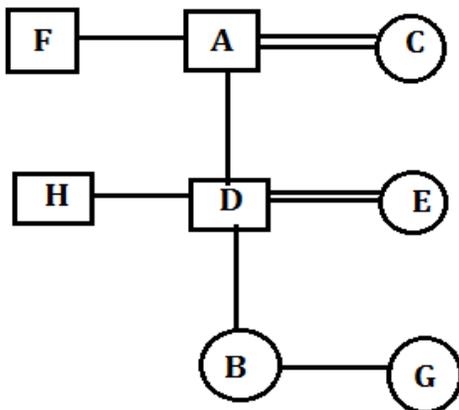
S4. Ans.(a)
S5. Ans.(e)
S6. Ans.(c)

Solutions (7-9):
S7. Ans.(d)
Sol.

$$\overset{(+)}{A} \underline{\hspace{1cm}} \overset{(-)}{C} = \overset{(+)}{B}$$
$$|$$
$$D$$

S8. Ans.(d)
Sol.

$$\overset{(-)}{E} = \overset{(+)}{A}$$
$$|$$
$$\overset{(+)}{K} \underline{\hspace{1cm}} \overset{(-)}{F}$$
$$|$$
$$N$$

S9. Ans.(c)
Sol.

$$\overset{(+)}{P} \underline{\hspace{1cm}} \overset{(-)}{Q} \underline{\hspace{1cm}} \overset{(-)}{R}$$
$$|$$
$$\overset{(+)}{S} \underline{\hspace{1cm}} T$$

Solution (10-11):
Sol.

$$\overset{(-)}{J}$$
$$|$$
$$\overset{(+)}{G} \underline{\hspace{1cm}} \overset{(+)}{E} = \overset{(-)}{F}$$
$$|$$
$$\overset{(-)}{I} \underline{\hspace{1cm}} \overset{(+)}{H}$$
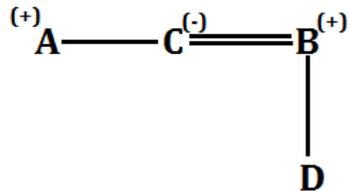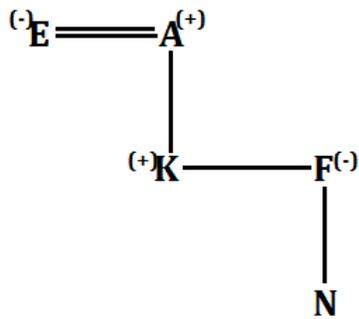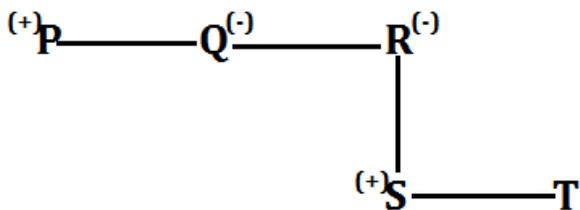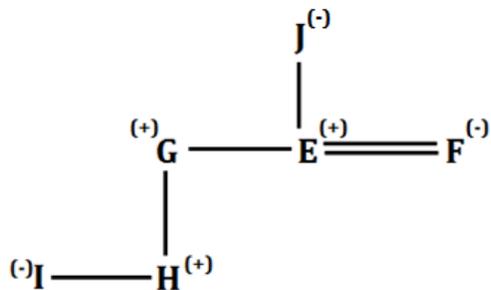
S10. Ans.(d)
S11. Ans.(d)

Solution (12-13):
Sol.

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              ┌───┐
              │ K │
              └───┘
                │
┌───┐        ╔═══╗        ┌───┐
│ N │════════║ E ║────────│ A │
└───┘        ╚═══╝        └───┘
                │
┌───┐        ╔═══╗        ╔═══╗
│ C │════════║ G ║────────║ D ║
└───┘        ╚═══╝        ╚═══╝
  │
╔═══╗
║ Q ║
╚═══╝
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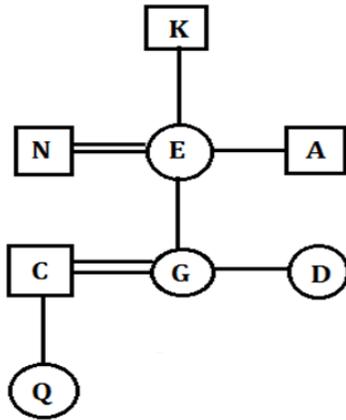
S12. Ans (a)
S13. Ans (a)

Solutions (14-15):
S14. Ans.(a)
S15. Ans.(e)

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