Directions (1–3): Read the following information carefully and answer the questions given below:

P is son of U's father's sister. R is son of S, who is the mother of T and grandmother of U. V is the father of W and grandfather of P. S is wife of V.T is sister of R.

Q1. How is P related to S?
(a) Grandfather
(b) Grandson
(c) Son
(d) Uncle
(e) None of these

Q2. How is R related to P?
(a) Nephew
(b) Uncle
(c) Son
(d) Father
(e) None of these

Q3. How is T related to W?
(a) Niece
(b) Sister
(c) Sister – in – law
(d) Mother
(e) Mother – in – law

Directions (4-5): Study the following information carefully and answer the questions given below:

Five family members V, W, X, Y and Z are sitting in a straight line facing north. Each of them somehow has a relation with V, who sits third to the right of his daughter. There are only two females in the family. X is an immediate neighbor of his mother. Y sits third to the right of Z, who sits at one end of the line. V sits with his wife. X is brother of W, who is niece of Z. Y doesn't have any sibling.

Q4. How is Z related to V?
(a) Father
(b) Mother
(c) Brother
(d) Can't be determined
(e) None of these

Q5. How is Y related to W?
(a) Mother
(b) Father
(c) Brother
(d) Can't be determined
(e) None of these

Q6. Among only A, B, C, D, E, and F, B is the son of E and D is the son of C who is father in law of A. F is the mother of A. E's daughter in law is F whose husband B is father in law of D. B has no son. How E is related to A?

(a) Father

(b) Mother

(c) Son

(d) Father in law

(e) None of these

Directions: (7-8) Study the following information carefully and answer the questions which follow

'A − B' means 'A is brother of B'

'A × B' means 'A is father of B'

'A = B' means 'A is mother of B'

'A + B' means 'A is sister of B'

'A ÷ B' means 'A is husband of B'

Q7. 'R is nephew of S' which of the following expression support the given relation?

(a) R + P × W = T ÷ S

(b) R + C − M × J ÷ S

(c) S ÷ D + H = F = R + G

(d) R = Y − L ÷ N = S

(e) none of these

Q8. In statement 'G = A − N ÷ O = W ' how is W is related to A?

(a) Mother

(b) paternal-grandmother

(c) mother-in-law

(d) Aunt

(e) Cannot Determine

Directions (9−10): Read the following information carefully and answer the question given below it.

'M + N' means 'M is the sister of N'.

'M = N' means 'M is the father of N'.

'M − N' means 'M is the mother of N'.

'M × N' means 'M is the brother of N'.

'M ÷ N' means 'M is the son of N'.

'M $ N' means 'M is the daughter of N'.

'M @ N' means 'M is the husband of N'.

Q9. Which of the following means F is grandfather of L?
(a) L × M + N ÷ P @ Q − J − T =F
(b) L × M + N ÷ P @ Q − J × T = F
(c) F × M + N ÷ P @ Q − J × T = L
(d) L + M + N ÷ P @ Q − J × T = F
(e) None of these

Q10. How is R related to G according to the given sequence?
N × G + P ÷ T ÷ R @ K
(a) Father
(b) Grandfather
(c) Grandmother
(d) mother
(e) None of these

Directions (11-13): Study the following information and answer the given question.

Y has a son and a daughter. P is the son of M. T is the mother of J. Y is the father of U. U is the daughter of T. Q is the son of D. T is the sister of D, who is married to P.

Q11. How is P related to T ?
(a) Brother
(b) cannot be determined
(c) Brother-in-law
(d) Cousin brother
(e) Uncle

Q12. How is J related to D ?
(a) Son
(b) Niece
(c) Son-in-law
(d) Nephew
(e) Daughter

Q13. How is Q related to M ?
(a) Son-in-law
(b) Grandson
(c) Nephew
(d) Son
(e) Cannot be determined

Directions (14-18): Study the information and answer the following questions:

A#B means A is father of B

A&B means B is daughter of A

A%B means A is mother of B

A@B means B is husband of A

A*B means A is son of B

Q14. If " N % T* R * J @ P "is true, if X is sister of P, then how is X related to R?

(a) sister

(b) grandmother

(c) daughter

(d) aunt

(e) none of these

Q15. If "L # M % N * O # Q "is true, then how is Q related N?

(a) sister

(b) brother

(c) daughter

(d) brother

(e) Can't be determined

Q16. If "L # M % N * O # Q" is true, then how is N related to L?

(a) sister

(b) grandfather

(c) daughter

(d) niece

(e) none of these

Q17. Which of the following represents that "E is grandson of A"?

(a) B # A & D % E @ F

(b) A & D % E * B # F

(c) A & D & E # F @ B

(d) A @ B # D # E & F

(e) none of these

Q18. If " B @ A# D # E * F "is true ,then how is F related to A?

(a) daughter-in-law

(b) son-in-law

(c) grandmother

(d) grandfather

(e) none of these

Directions (19-20): Study the following information carefully to answer the given questions

P × Q means P is father of Q
P ÷ Q means P is daughter of Q
P + Q means P is sister of Q
P − Q means P is husband of Q

Q19. In M ÷ N × O − P, How O related to M ?
(a) Brother
(b) Son –in-law
(c) Father
(d) Son
(e) None of these

Q20. In G×T+Q÷M, how is M related to G ?
(a) Mother
(b) Sister
(c) Wife
(d) Daughter
(e) None of these.