DIRECTIONS:
Study the following information carefully to answer the questions.

'P × Q' means P is wife of Q.
'P ÷ Q' means P is father of Q.
'P + Q' means P is son of Q.
'P − Q' means P is sister of Q.

1) In H + I ÷ L, how is L related to H?
a) Cousin   b) Sister
c) Brother   d) Brother or sister

2) In J − F + R × B, how is R related to J ?
a) Paternal Aunt   b) Mother
c) Father   d) Can not determined

3) Which of the following represents S is mother of T ?
a) M × S ÷ H − T   b) S × M + H − T
c) S × M ÷ H − T   d) M × S ÷ H + T

DIRECTIONS:
Read the following information carefully to answer the following questions:

A * B means A is the sister of B
A ÷ B means A is the brother of B
A + B means A is the father of B
A − B means A is the mother of B

4) What is the relation between T and Q in 'P * Q † R + S * T'?
a) T is the nephew of Q
b) T is the son of Q
c) either a and b
d) T is the niece of Q
e) None of these

5) What is the relation between Q and S in 'P + Q † R − S'?
a) Q is the mother of S
b) Q is the uncle of S

c) Q is the father of S
d) Q is the aunt of S
e) None of these

DIRECTIONS:
Study the following information carefully to answer the given questions:

P @ Q means P is sister of Q
P % B means P is son of Q
P $ Q means P is mother of Q
P # Q means P is father of Q
Which of the following should come in place of " ? " to make the expression M is grandfather of S?

6) How is P related to O in the given expression?
V $ O # Y @ Z % P
a) Wife   b) Sister
c) Mother   d) Grandmother
e) None of these

7) U % M # R ? T # S
a) @   b) %   c) #
d) $ e) None of these

8) A @ I % D $ F # G, what relationship can exist between D and G ?
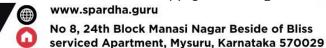a) Mother   b) Grand Father
c) Grand Mother   d) Aunty
e) None of these

DIRECTIONS:
Read the following information carefully to answer the following questions:

A * B means A is the sister of B
A ÷ B means A is the brother of B
A + B means A is the father of B
A − B means A is the mother of B

9) In P − Q + R ÷ S, what is P to R ?
a) Grandfather   b) father
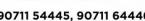
c) grandmother   d) None of these
e) mother

10) What is the relation between Q and R in 'P + Q † R – S'?
a) Q is the mother of R
b) Q is the brother of R
c) Q is the father of R
d) Q is the aunt of R
e) None of these

DIRECTIONS:
Read the following information carefully to answer the following questions:

P × Q means 'P is son of Q'
P + Q means 'P is daughter of Q'
P ' Q means 'P is wife of Q'
P – Q means 'P is father of Q'.

11) If it is provided that M is grandmother of P, then what will come in place of ? in expression – 'P – H ÷ T ? M'?
a) ÷   b) –   c) ×
d) +   e) None of these

12) Which of the following pairs represent the first cousins in the expressions – 'L † V – J + P' and 'S × A – D + F – E + K' – if it is given that A is the sister of J?
a) SK   b) SP   c) SF
d) LP   e) Cannot be determined

13) Which of the following relation is true with regard to the expression 'B ÷ P × Z – K + O'?
a) B is daughter-in-law of O
b) B is daughter-in-law of K
c) O is daughter of Z
d) P is brother of O
e) None of these

14) In the expression 'K + H – P ? Q', what will come in place of " ? " if Q is mother of K?
a) ÷   b) –   c) ×
d) +   e) None of these

DIRECTIONS:
Read the following information carefully to answer the question:

P X Q means "P is sister of Q"
P ÷ Q means "P is mother of Q"
P + Q means "P is brother of Q"
P – Q means "P is father of Q"

15) The expression means "S ÷ T – H × V – N"?
a) N is grand son of S
b) S is mother of V
c) S is great grandmother of N
d) S is grandmother of N
e) None of these

16) How T is related to S "W ÷ T – H + V – S"?
a) uncle   b) aunt
c) mother   d) Sister
e) None of these

17) Which of the following represent "M is nephew of R"?
a) R ÷ T – M + J   b) R × T ÷ M × J
c) R ÷ T – M   d) M ÷ T – R
e) None of these

18) Which of the following represent W is grandfather of H?
a) W ÷ T + H   b) W × T + H
c) W ÷ T – H   d) W + T – H
e) None of these

DIRECTIONS:
Study the information given below and answer the questions that follow :

A + B means A is the daughter of B;
A - B means A is the husband of B and
A x B means A is the brother of B.

19) If P + Q x R, which of the following is true ?
a) P is the daughter of R
b) P is the cousin of R
c) P is the niece of R
d) P is the daughter-in-law of R

20) If P x Q + R, which of the following is true ?
a) P is the uncle of R
b) P is the son of R
c) P is the brother of R
d) P is the father of R

DIRECTIONS:
Study the information given below and answer the questions that follow :

A + B means A is the daughter of B;
A - B means A is the husband of B and
A x B means A is the brother of B.

21) If P + Q - R, which of the following is true ?
a) R is the sister-in-law of P
b) R is the aunt of P
c) R is the mother of P
d) R is the mother-in-law of P

DIRECTIONS:
Consider the following relationships and answer based on the relationships given below:

P % Q means 'P is daughter of Q'
P # Q means 'P is wife of Q'
P $ Q means 'P is father of Q'
P @ Q means 'P is brother of Q'

22) N @ B $ M % D indicates what relationship between N and D?
a) D is sister in law of N

b) D is nephew of N
c) N is wife of D
d) D is sister of N
e) None of these

23) The expression "M # Q @ D % S" indicates which of the following relationship?
a) M is sister of S
b) D is brother-in-law of M
c) S is mother-in-law of M
d) Q is father of S
e) None of above

DIRECTIONS:
Study the following information carefully to answer the given questions:

P × Q means P is father of Q
P + Q means P is wife of Q
P ÷ Q means P is daughter of Q
P – Q means P is son of Q

24) How is A related to E in the expression A ÷ H × G – B ÷ E ?
a) Daughter
b) Granddaughter
c) Grandson
d) Daughter-in-law
e) None of these

25) What will come in the place of ? to establish that M is the nephew of N in the expression
M ? K ÷ L × N
a) ×　　　b) ÷　　　c) -
d) +　　　e) None of these

DIRECTIONS:
Study the following information carefully to answer the given questions:

P × Q means P is father of Q
P + Q means P is wife of Q

P ÷ Q means P is daughter of Q
P − Q means P is son of Q

26) Which of the following relations are true based upon the relation given in the equation?
A − B × C + D − E
a) E is wife of B
b) D is brother of A
c) A is brother of C
d) E is mother-in-law of C
e) None of these A is brother of C

DIRECTIONS:
Read the following information and answer the questions given below it :

A + B means A is the daughter of B;
A x B means A is the son of B and
A - B means A is the wife of B.

27) If T - S x B - M, which of the following is not true?
a) M is husband of B
b) S is daughter of B
c) B is mother of S
d) S is son of B

28) If Z × T - S × U + P, what is U to Z
a) Grandmother
b) Can't be determined
c) Mother
d) None of these

29) If P x Q - S, which of the following is true ?
a) S is father of P   b) Q is father of P
c) S is wife of Q   d) None of these