

DEFINITION

Those persons who are related to another persons by birth rather than by marriage are called in Blood Relation.

Let's start right from basic and see what are the different blood relations in a family, which we should know to understand the logical reasoning in blood relation questions.

Remember the relations as given below:

- (i) Children of Same parents → Siblings
- One's Husband or Wife → Spouse
- Relatives on Mother's Side → Maternal
- Relatives on Father's Side → Paternal
- (ii) Father's Father → Paternal Grandfather
- Father's Mother → Paternal Grandmother
- Mother's Father → Maternal Grandfather
- Mother's Mother → Maternal Grandmother
- Father's Brother → Paternal Uncle
- Father's Sister → Paternal Aunt
- Mother's Brother → Maternal Uncle
- Mother's Sister → Maternal Aunt
- Uncle or Aunt's Child → Cousin
- Sibling's Son → Nephew
- Sibling's Daughter → Niece
- Son or Daughter's Child → Grandchild

(iii) Relations

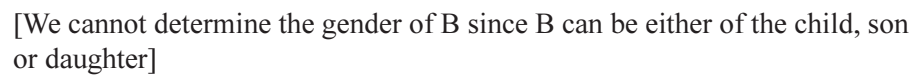
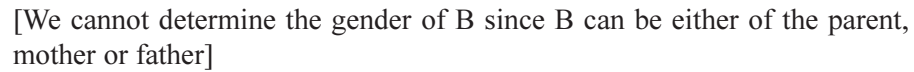
1. Grandfather's son $\longrightarrow$ Father or Uncle
2. Grandmother's son $\longrightarrow$ Father or Uncle
3. Grandfather's only son $\longrightarrow$ Father
4. Grandmother's only son $\longrightarrow$ Father
5. Mother's or father's mother $\longrightarrow$ Grandmother
6. Son's Wife $\longrightarrow$ Daughter-in-Law
7. Daughter's husband $\longrightarrow$ Son-in-Law
8. Husband's or wife's sister $\longrightarrow$ Sister-in-Law
9. Brother's son $\longrightarrow$ Nephew
10. Brother's daughter $\longrightarrow$ Niece
11. Uncle or aunt's son or daughter $\longrightarrow$ Cousin
12. Sister's husband $\longrightarrow$ Brother-in-Law
13. Brother's wife $\longrightarrow$ Sister-in-Law
14. Grandson's or grand daughter's daughter $\longrightarrow$ Great grand Daughter

Family Tree - Generally, the construction of the family tree is considered to be the most appropriate way of solving blood relation questions in Logical reasoning. So we start with representing each by gender by a particular sign. Keep these instructions in mind.

- (i) Use “+” sign for male & “-” sign for female. As A is male $\longrightarrow A^+$; B is female $\longrightarrow B^-$
- (ii) A is the brother of B $\longrightarrow A^+ \leftarrow \text{bro.} \rightarrow B$ [Here gender of B is not given, So do not show gender of B]
- (iii) A is the sister of B $\longrightarrow A^- \leftarrow \text{Sis.} \rightarrow B$ [B may be male or female]
- (iv) A is the wife of B $\longrightarrow A^- \rightleftharpoons B^+$

In this case we know the gender of both A and B. We are using a double-sided arrow here to show that the two individuals are married to each other.

- (v) We start by plotting the tree on different levels, where each level represents a generation in blood relation questions.



Let us try to understand through examples.

(a) Father (b) Grandfather
(c) Brother (d) Son

Clearly, S is brother of P.

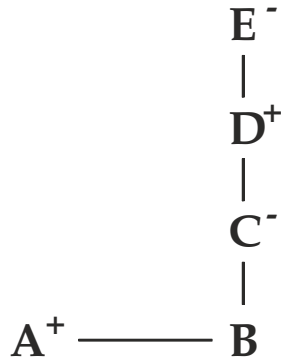
19.4

BLOOD RELATIONS

Example 2 : A is B's brother. C is B's mother. D is C's father. E is D's mother. How is A related to E?

- (a) Grandmother (b) Grand-daughter
(c) Great grandson (d) Grandson

Solution : (c) is correct.

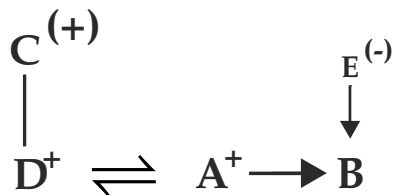


Clearly, E is grandfather of A $\rightarrow$ A is **Great grandson of E**.

Example 3 : A is B's brother. C is D's father. E is B's mother. A and D are brothers. How is C related to E ?

- (a) Wife (b) Husband
(c) Sister-in-law (d) Niece

Solution : (b) is correct.

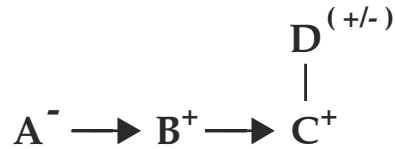


Clearly, E is wife of C $\rightarrow$ C is husband of E.

Example 4 : A is the sister of B. B is the brother of C. C is the son of D. How is D related to A?

- (a) Son (b) Mother
(c) Daughter (d) Uncle

Solution : (b) is correct.



Clearly, D is parents of A, B, C. Gender of D is not clear, but in question's options. Mother suits because no other option is there as other part of parent.

Example 5 : (i) F is the brother of A.

(ii) G is the daughter of A.

(iii) K is the sister of F.

(iv) C is the brother of G.

Who is the uncle of G ?

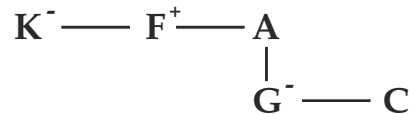
(a) K

(b) F

(c) A

(d) C

Solution : (b) is correct.



G is A and F is brother of A.

Example 6 : C is wife of B. E is the son of C. A is the brother of B and father of D. What is the relationship of E to D ?

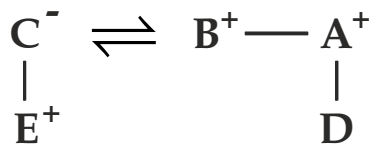
(a) Cousin

(b) Mother

(c) Sister

(d) Brother

Solution : (a) is correct .



Clearly, E is cousin of D.

Example 7 : M is the son of P. Q is the grand-daughter of O, who is the husband of P. How is M related to O?

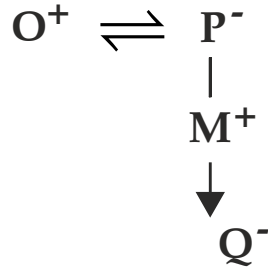
(a) Father

(b) Mother

(c) Son

(d) Daughter

Solution : (c) is correct .

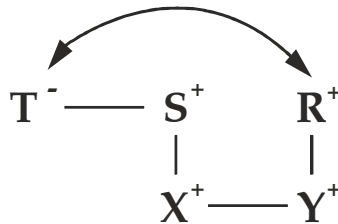


Clearly, M is son of O.

Example 8 : X and Y are brothers. R is the father of Y. S is the brother of T and maternal uncle of X. What is T related to R ?

- (a) Mother (b) Wife
(c) Sister (d) Brother

Solution : (b) is correct.



Clearly, T is wife of R

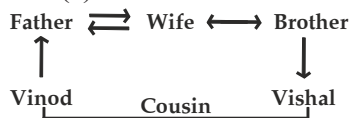
PAST EXAM QUESTIONS WITH SOLUTIONS (MEMORY BASED)

Q.1. Vinod introduce Vishal as the son of the only brother of his father's wife. How is Vinod related to Vishal ?

- (a) Cousin (b) Brother
(c) Son (d) Uncle

[May 2018]

Solution : (a)



Clearly Vinod is cousin of Vishal.

Q.2. A prisoner introduced a boy who came to visit him to the jailor as "Broth-

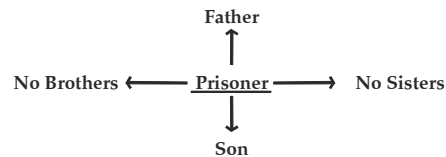
ers and sisters, I have none, he is my father's son's son". Who is the boy ?

- (a) Nephew (b) Son
(c) Cousin (d) Uncle

[May 2018]

Solution :

- (b) 'Son'

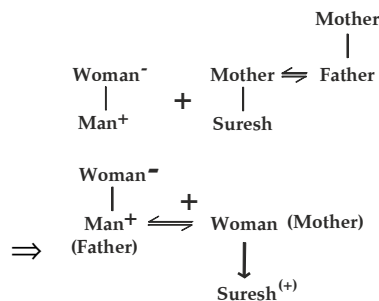


Q.3. Suresh introduce a man as “he is the son of the woman who is the mother of the husband of my mother”. How is Suresh is related to the man?

- (a) Brother-in-law
(b) Son
(c) Brother
(d) Nephew

[May 2018]

Solution : (b)



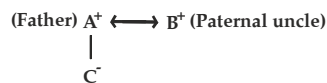
Clearly Suresh is the ‘Son’ of the man.

Q.4. A reads a book and find the name of the author familiar. The author ‘B’ is the paternal uncle of C. C is the daughter of A. How is B related to A?

- (a) Brother (b) Sister
(c) Father (d) Uncle

[May 2018]

Solution : (a)

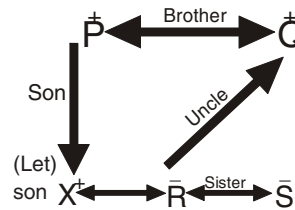


Q.5. P and Q are brothers. R and S are sisters. P’s son is R’s brother. How is Q related to R?

- (a) Uncle (b) Brother
(c) Father (d) Grandfather

[May 2018]

Solution : (a)



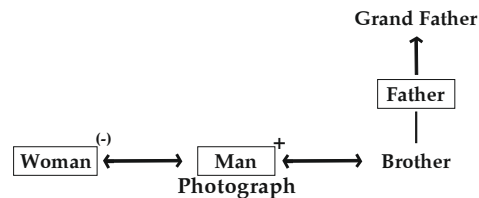
Clearly ‘Q’ is the uncle of ‘R’

Q.6. Pointing to a man in a photograph, a woman said, “the father of his brother is the only son of my grandfather”, how is the woman related to the man in the photograph?

- (a) Mother (b) Aunt
(c) Daughter (d) Sister

[Nov. 2018]

Solution : (d)

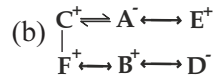


Q.7. Six persons are seen together in a group. They are A, B, C, D, E and F. B is brother of D, but D is not brother of B. F is brother of B, C and A are married together. F is son of C, but C is not mother of F. E is brother of A. The number of female members in the group is.....

- (a) 1 (b) 2
(c) 3 (d) 4

[Nov. 2018]

Solution :



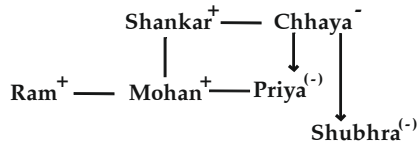
No. of female members = 2

Q.8. Ram and Mohan are brothers, Shankar is Mohan's father. Chhaya is Shankar's sister. Priya is Shankar's niece. Shubhra is Chhaya's grand daughter. Then Ram is Shubhra's.....

- (a) Brother (b) Uncle
(c) Cousin (d) Nephew

[Nov. 2018]

Solution : (b)



Ram is the uncle of Shubhra.

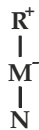
Q.9. If P + Q means P is the mother of Q. P ÷ Q means P is the father of Q. P - Q means P is the sister of Q. Then which of the following relationship shows that M is the daughter of R ?

- (a) $R \div M + N$
(b) $R + N \div M$
(c) $R - M \div N$
(d) None of the above

[Nov. 2018]

Solution : (a)

Go by choices (GBC)



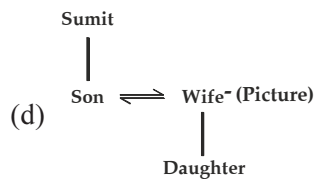
Clearly, M is the daughter of R.

Q.10. Pointing to a picture, Sumit said, she is the mother of my son's wife's daughter. How is lady related to the Sumit ?

- (a) Uncle (b) Cousin
(c) Daughter (d) None

[June 2019]

Solution :



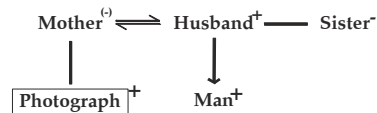
Clearly, the lady (in picture) is the daughter-in-law of Sumit.

Q.11. Pointing to a photograph, a man said "His mother husband's sister is my aunt". Then what is relation between a man and he ?

- (a) Son (b) Uncle
(c) Nephew (d) Brother

[June 2019]

Solution : (d)



Clearly, the man and he (Photograph) are brothers.

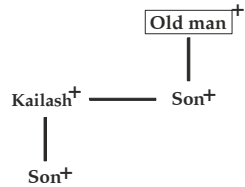
Q.12. Pointing the old man Kailash said "his son is my son's uncle". How is Kailash related to old man?

- (a) Brother
(b) Either son or son-in-law

- (c) Father
(d) Grand Father

[June 2019]

Solution : (b)



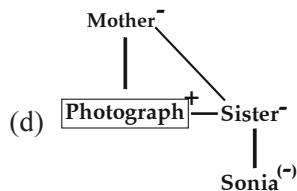
Clearly Kailash is either Son or Son-in-law.

Q.13. Pointing in a photograph, Sonia said, "His mother's only daughter is my mother". How is Sonia relates to that man?

- (a) Nephew (b) Sister
(c) Wife (d) Niece

[June 2019]

Solution :



Clearly Sonia is Niece of Photograph.

Direction (Q.14 - Q.17) Read the following information carefully to answer the given questions.

Six members of a family namely A, B, C, D, E and F are travelling together. B is the son of C but C is not the mother of B.

A and C are married couple. E is the brother of C. D is the daughter of A. F is the brother of B.

Q.14. How many male members are there in the family ?

- (a) 3 (b) 2
(c) 4 (d) 1

[Dec. 2019]

Solution : (c)

Q.15. How many children does A have

- (a) 1 (b) 2
(c) 3 (d) 4

[Dec. 2019]

Solution : (c)

Q.16. What is the relation of E to D

- (a) Uncle (b) Brother
(c) Father (d) None of these

[Dec. 2019]

Solution : (a)

Q.17. Who is the mother of B?

- (a) C (b) D
(c) F (d) A

[Dec. 2019]

Solution : (d)

Q.18. Vicky introduces John as the son of the only brother of his father's wife. How is Vicky related to John?

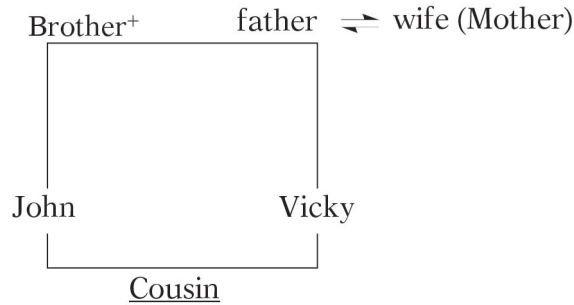
- (a) Cousin (b) Son
(c) Brother (d) Uncle

[Dec. 2020]

19.10

BLOOD RELATIONS

Solution : (a)

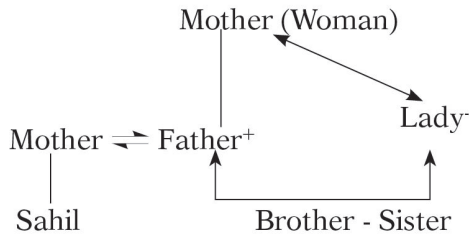


Q.19. Point out to a lady Sahil said she is the daughter of woman. Who is the mother of the husband of my mother. Who is the lady to Sahil?

- (a) Sister (b) Aunt
(c) Daughter (d) Sister-in-law

[Dec. 2020]

Solution : (b)



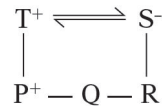
∴ That Lady is aunt of Sahil.

Q.20. P is the brother of Q and R, S is the mother of R. T is the father of P, Which of the following statement cannot be definitely true?

- (a) S is the mother of P
(b) P is son of S
(c) T is husband of S
(d) Q is son of T

[Jan. 2021]

Solution : (d) is correct



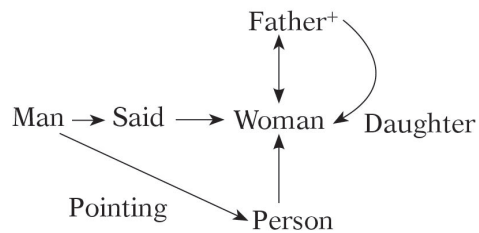
Here Gender of Q is not known.

Q.21. Pointing towards a person a man said to a woman. "His mother is the only daughter of your father". How is the woman related to that person?

- (a) daughter (b) mother
(c) sister (d) wife

[Dec. 2020]

Solution : (b)



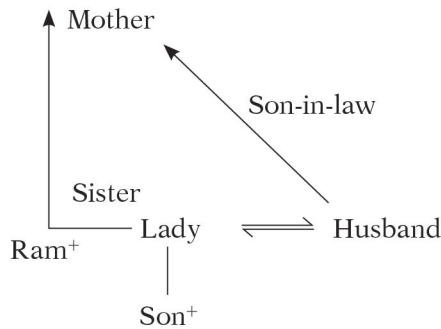
⇒ Your Father means woman's Father is the only daughter means that woman herself. Clearly that woman is mother of that person.

Q.22. Pointing to a lady in a photograph, Ram said “Her son’s father is the son in law of my mother”. How is Ram related to the lady?

- (a) Aunt (b) Cousin
(c) Sister (d) Mother

[Jan. 2021]

Solution : (b) is correct



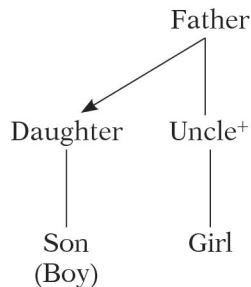
Clearly Ram is the brother of that Lady.

Q.23. A girl Introduced, a boy as the son of the daughter of father of her uncle. The boy is girl's

- (a) Son (b) Brother
(c) Son-in-Law (d) Uncle

[Jan. 2021]

Solution :



Clearly the boy is cousin brother.

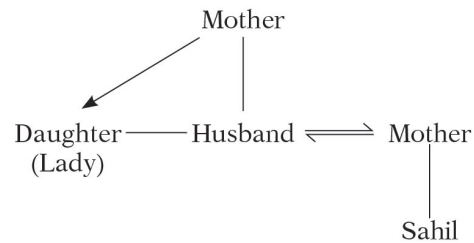
So (b) is correct.

Q.24. Pointing to a lady, Sahil said, “She is the daughter of the women who is the mother of the husband of my mother”. Who is the lady to Sahil?

- (a) Aunt (b) Sister
(c) Daughter (d) Sister-in-Law

[Jan. 2021]

Solution :



Clearly Lady is the sister of Sahil's Father.

So the lady is Aunt of Sahil.

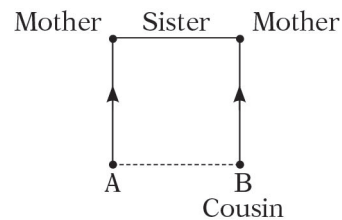
∴ (a) is correct.

Q.25. Pointing towards “A”, “B”, said : “Your mother is the younger sister of my mother”. “A” is related to “B” as

- (a) Uncle (b) Cousin
(c) Nephew (d) Father

[July 2021]

Solution : (b) is correct



Q.26. Shyam's mother said to Shyam “my mother has a son whose son is Ram”. Shyam is related to Ram as

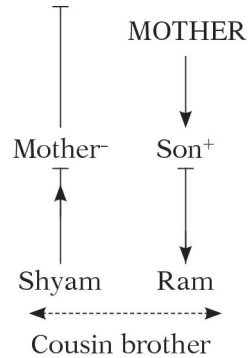
19.12

BLOOD RELATIONS

- (a) Uncle (b) Cousin
(c) Nephew (d) Grandfather

[July 2021]

Solution : (b) is correct

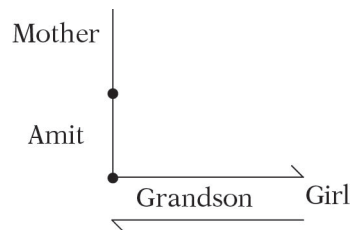


Q.27. Amit said “This girl is the wife of the grandson of my mother”. How Amit related to the girl?

- (a) Father-in-law
(b) Grandson
(c) Father
(d) Son

[July 2021]

Solution : (a) is correct

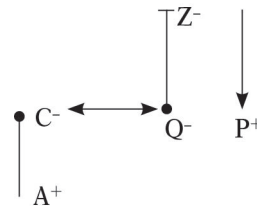


Q.28. A is the son of C; C and Q are sisters; Z is the mother of Q and P is the son of Z Which of the following statements is true?

- (a) A and P are cousins
(b) C and P are sisters
(c) P is the maternal uncle of A
(d) A is the maternal uncle of P

[July 2021]

Solution : (c) is correct

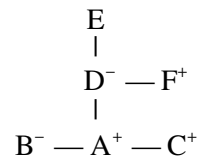


Q.29. D is daughter of E. A is son of D. C is a brother of A and B is sister of A. F is brother of D. How F is related to B?

- (a) Father-in-Law
(b) Uncle
(c) Brother
(d) Mother-in-law

[Dec. 2021]

Solution : (b)



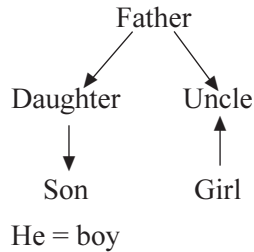
Clearly, F is Maternal Uncle of B.

Q.30. Introducing a boy a girl said, “He is the son of the daughter of the father of my uncle”. Who is the boy to the girl?

- (a) Brother (b) Nephew
(c) Uncle (d) Son-in-law

[Dec. 2021]

Solution : (a)

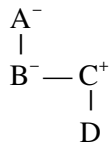


Q.31. It is given that “A is the mother of B; B is the sister of C; C is the father of D”. How is A related to D?

- (a) Mother
- (b) Grandmother
- (c) Aunt
- (d) Sister

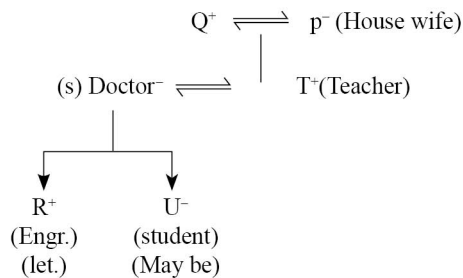
[Dec. 2021]

Solution : (b)



Q.32. R told to M as, “the girl, I met at the beach, was the youngest daughter of the brother-in-law of my friend’s mother”. How is the girl related to R’s

Solution : (c)

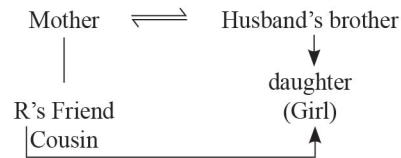


friend?

- (a) Cousin
- (b) Daughter
- (c) Niece
- (d) Aunt

[Dec. 2021]

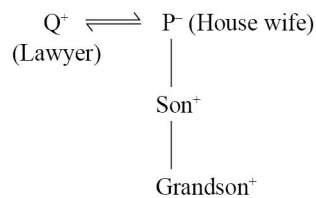
Solution : (a)



Q.33. P, Q, R, S, T, U are 6 members of a family in which there are two married couples. T, a teacher is married to a doctor who is mother of R and U, Q the lawyer is married to P. P has one son and one grandson. Of the two married ladies one is a housewife. There is also one student and one male engineer in the family. Which of the following is true about the granddaughter of the family?

- (a) She is a lawyer
- (b) She is an engineer
- (c) She is a student
- (d) She is a doctor

[Dec. 2021]

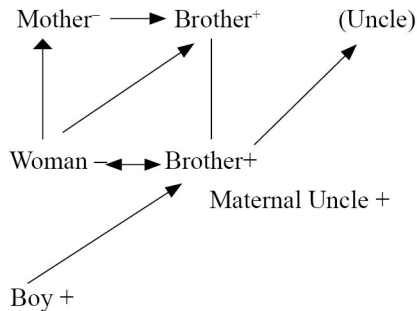


Q.34. A woman going with a boy is asked by another woman about the relationship between them. The woman replied “My maternal uncle and the uncle of his maternal uncle is the same”. How is the lady related with that boy?

- (a) Grand mother and grandson
- (b) Mother and Son
- (c) Brother and Sister
- (d) Aunt and Nephew

[June 2022]

Solution :



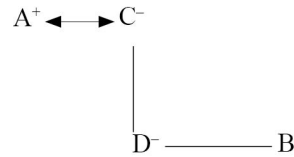
(b) is correct

Q.35. If $X + Y$ means X is the mother of Y ; $X - y$ means X is the brother of y ; $X \% Y$ means X is the father of Y and $X \times Y$ means X is the sister of y , Which of the following shows that A is the maternal uncle of B ?

- (a) $B + D \times C - A$
- (b) $B - D \% A$
- (c) $A - C + D \times B$
- (d) $A + C \times D - B$

[June 2022]

Solution :



Clearly A is Maternal Uncle of B .

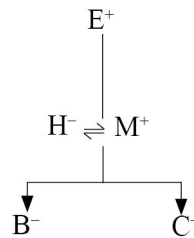
(c) is correct

Q.36. B and C are siblings. M has two children, and he is son of E , who is father-in-law of H . H has only one son. C is not grand daughter of E . How's B related to E ?

- (a) Daughter
- (b) Son
- (c) Grand daughter
- (d) Grand son

[June 2022]

Solution :



(c) is correct

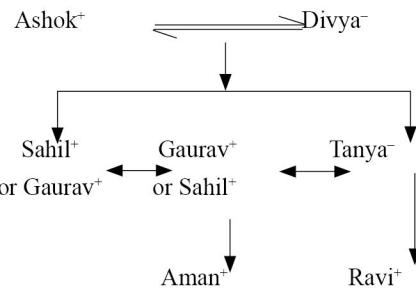
Q.37. Ravi is a son of Aman's father's sister. Sahil is the son of Divya who is the mother of Gaurav and grand mother of Aman. Ashok is the father of Tanya and grand father of Ravi. Divya is the wife of Ashok.

How is Ravi related to Divya?

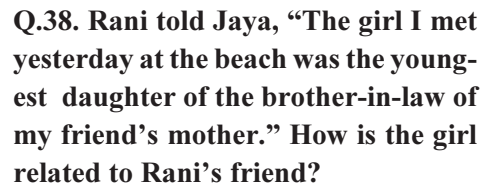
- (a) Nephew
- (b) Son
- (c) Grandson
- (d) Father

[June 2022]

Combining points (i), (ii) and (iii) together



$\therefore (c)$ is correct



(a) Cousin (b) Daughter
(c) Mother (d) Aunt

[June 2022]

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graph TD
    Ravi- --> Friend
    Friend --> Mother-
    Mother- <--> Husband+
    Husband+ -- "Brother-in-law" --> Brother+
    Brother+ --> Daughter-
    Friend -- "Cousin" --> Daughter-

```

daughter-in-law. Rohit is Ram's brother's son. Who is Rohit to Suresh?

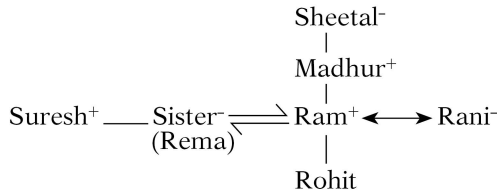
(a) Brother-in-law (b) Son
(c) Brother (d) Nephew

[Dec. 2022]

19.16

BLOOD RELATIONS

Solution :



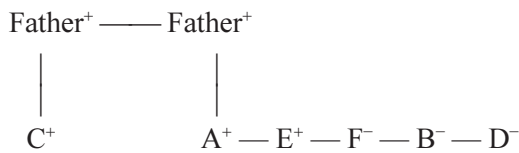
∴ (d) is correct

Q.40. There are six children playing football namely A, B, C, D, E and F. A & E are brothers. F is sister of E. C is the only son of A's uncle. B & D are daughters of the brother of C's father. How D is related to A?

- (a) Uncle (b) Cousin (c) Niece (d) Sister

[Dec. 2022]

Solution :



Clearly D is the sister of A.

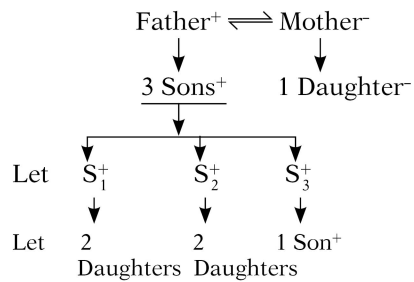
∴ (d) is correct

Q.41. In a point family, there are father, mother, a married sons and one unmarried daughter. Out of the sons two have 2 daughters each and one has a son only. How many female members are there in the family?

- (a) 3 (b) 6
(c) 9 (d) 5

[Dec. 2022]

Solution:



$$\therefore \text{Total No. of Females} = 1 + 1 + 2 + 2 = 6$$

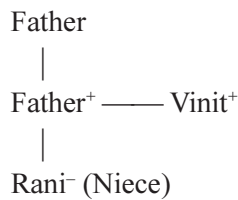
∴ (b) is correct

Q.42. When Rani was Vinit, she recollected that “He is the brother of my grandfather’s son”. How is Rani related to Vinit?

- (a) Aunt (b) Daughter
(c) Sister (d) Niece

[Dec. 2022]

Solution:



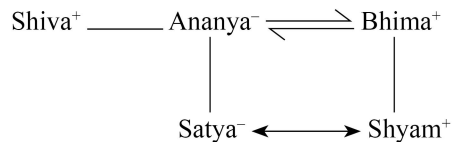
∴ (d) is correct.

Q.43. Annanya is mother of Satya and Shyam is the son of Bhima. Shiva is brother of Annanya. If Satya is sister of Shyam, how Bhima is related to Shiva?

- (a) Son
(b) Cousin
(c) Brother-in-law
(d) Son-in-law

[Dec. 2022]

Solution:



∴ (c) is correct.

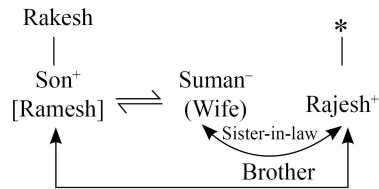
Q.44. Suman is daughter-in-law of Rakesh and sister-in-law of Rajesh. Ramesh is the son of Rakesh and only

brother of Rajesh. Find the relation of Suman with Ramesh.

- (a) Sister-in-law (b) Cousin
(c) Aunt (d) Wife

[Dec. 2022]

Solution:



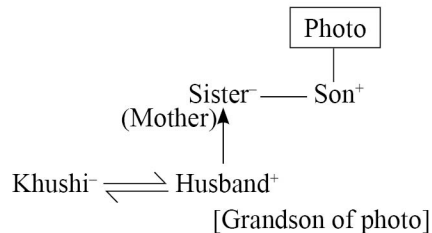
∴ (d) is correct.

Q.45. Pointing to a man in the photograph, Khushi says, “This man’s son’s sister is my mother-in-law.” How is the Khushi’s husband related to the man in the photograph?

- (a) Grandson (b) Son
(c) Son-in-law (d) Cousin

[Dec. 2022]

Solution:



∴ (a) is correct

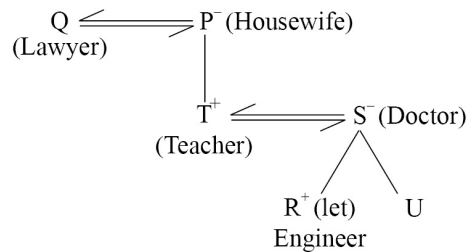
Q.46. P, Q, R, S, T and U are 6 members of a family in which there are two married couples. T, a teacher is married to a doctor, who is mother of R and U. Q, the lawyer is married to P. P has one son and one grandson. Of the two married ladies one is a housewife.

There is also one student and one male engineer in the family. Which of the following is true about the grandson of the family?

- (a) He is a lawyer
- (b) He is an engineer
- (c) He is a student
- (d) He is a doctor

[June 2023]

Solution :



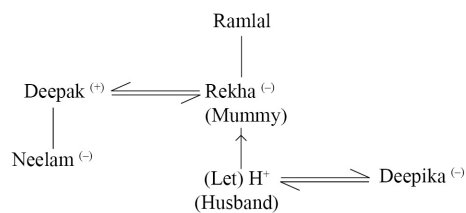
(b) is correct.

Q.47. Neelam, who is Deepak's daughter, says to Deepika "your mother-in-law. Rekha is younger daughter of Ramlal, who is my grandfather". How Neelam is related to Deepika?

- (a) Sister
- (b) Niece
- (c) Sister-in-law
- (d) Aunt

[June 2023]

Solution :



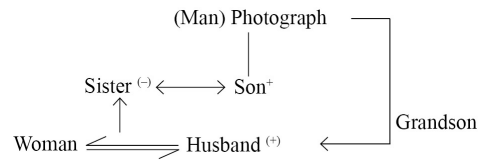
(c) is correct.

Q.48. Pointing on a photograph, a woman says "This man's son's sister is my mother-in-law". How is the women's husband related to the man in the photograph?

- (a) Son
- (b) Son-in-law
- (c) Grandson
- (d) Nephew

[June 2023]

Solution :



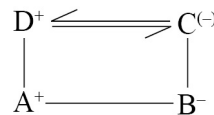
(c) is correct.

Q.49. If A is the brother of B, B is the daughter of C and D is the father of A, then how is C related to D?

- (a) Husband
- (b) Wife
- (c) Granddaughter
- (d) Grandfather

[June 2023]

Solution :



(b) is correct.

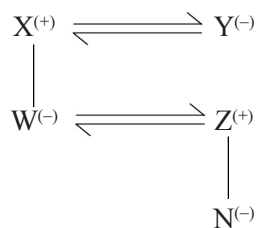
Q.50. X is the husband of Y. W is daughter of X. Z is husband of W. N is daughter of Z.

- (a) Cousin
- (b) Niece

- (c) Daughter
(d) Grandmother

[June 2023]

Solution :



Y is Maternal Grandmother.

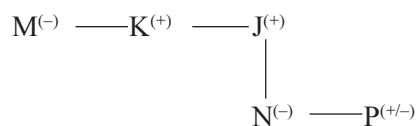
∴ (d) is correct.

Q.51. Based on the statements given below, find out who is the uncle of P?

- (i) K and J are brothers
(ii) K's sister is M
(iii) P and N are siblings
(iv) N is the daughter of J
(a) K
(b) J
(c) N
(d) M

[June 2023]

Solution :



Clearly K is uncle of "P".

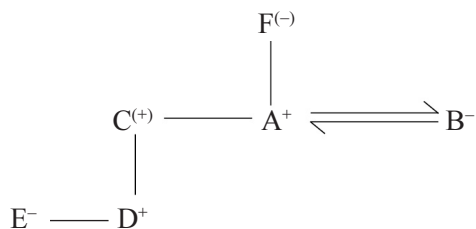
∴ (a) is correct.

Q.52. There are six persons A, B, C, D, E and F are a family. A and B are a married couple and A is a male member. D is the only son of C, who is the brother of A, E is the sister of D. B is the daughter-in-law of F whose husband has died.

- (a) A
(b) E
(c) D
(d) F

[June 2023]

Solution :



∴ F is the mother of C.

∴ (d) is correct.