



### Introduction

These questions remind us of family trees. Blood relation or blood relative is related to you by birth or through nuptial knots. Blood relation shows different relations among the

members of a family. Based on the information given, you are required to find the connection between particular family members. Check the following nomenclatures for various relations.

Mother's or father's son	Myself/Brother
Mother's or father's daughter	Myself/Sister
Mother's or father's brother	Uncle
Mother's or father's sister	Aunt
Mother's or father's father	Grandfather
Mother's or father's mother	Grandmother
Son's wife	Daughter-in-law
Daughter's husband	Son-in-law
Husband's or wife's brother	Brother-in-law
Husband's or wife's sister	Sister-in-law
Brother's son	Nephew
Brother's daughter	Niece
Uncle or aunt's son or daughter	Cousin
Sister's husband	Brother-in-law
Brother's wife	Sister-in-law
Grandson's or granddaughter's daughter	Great-granddaughter
Grandson's or granddaughter's son	Great-grandson

While solving the blood relation-based questions, you will frequently come across situations where you need to arrange the member from the maternal side or paternal side in the family tree.

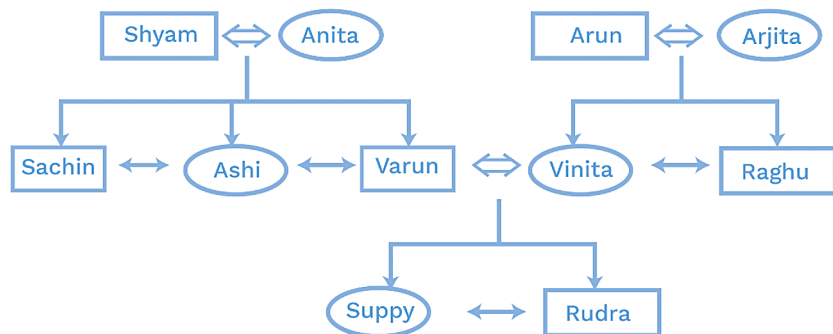
- **Paternal:** Relations from the side of the father are paternal. For example, paternal grandfather (Dada), paternal grandmother

(Dadi), paternal uncle (Chacha), paternal aunt (Chachi, Bua).

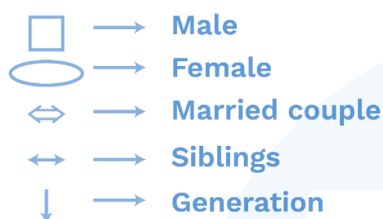
- **Maternal:** Relations from the side of the mother are maternal. For example, maternal grandfather (Nana), Maternal grandmother (Nani), maternal uncle (Mama), Maternal aunt (Mami, Masi).



To understand in a better way, consider the following family tree of three generations.



### Interpretations of Symbols



8. Arjita is the maternal grandmother of Suppy and Rudra.
9. Arun is the father-in-law of Varun.
10. Arjita is the mother-in-law of Varun.
11. Shyam is the father-in-law of Vinita.

### Keynote

You cannot confirm if a person is a male or a female solely based on the name used unless it is clearly evident.

### Observations From the Family Tree

1. Shyam is the father of Sachin, Ashi, and Varun.
2. Anita is the mother of Sachin, Ashi, and Varun.
3. Shyam is the paternal grandfather of Suppy and Rudra.
4. Anita is the paternal grandmother of Suppy and Rudra.
5. Arun is the father of Vinita and Raghu.
6. Arjita is the mother of Vinita and Raghu.
7. Arun is the maternal grandfather of Suppy and Rudra.

### OMET Mantra

#### The following symbols help in drawing a family tree

- → All the male members of the family can be represented by a box.
- → All the female members of the family are represented by a circle.
- ⇔ → The spouse/married couple is represented by the two ends of a double-headed arrow.
- ⇔ → Same generation: brother-brother or sister-sister or sister-brother.
- ↓ → Used for the next generation:
- Father – son or  
 Mother – son or  
 Father – daughter or  
 Mother – daughter



12. Anita is the mother-in-law of Vinita.
13. Varun and Vinita are married couple/spouses.
14. Sachin is the brother of Varun and the brother-in-law of Vinita.
15. Ashi is the sister of Varun and the Sister-in-law of Vinita.
16. Vinita is the sister-in-law of Sachin and Ashi.
17. Vinita and Raghu are sister and brother, respectively.
18. Raghu is the brother-in-law of Varun and vice-versa.
19. Suppy is the daughter and Rudra is the son of Varun and Vinita.
20. Suppy is the niece of Sachin, Ashi, and Raghu.
21. Rudra is the nephew of Sachin, Ashi, and Raghu.

Refer to the following for understanding various generations as shown in the above example:

- **First generation:** Grandfather (paternal/maternal) and grandmother (paternal/maternal).
- **Second generation:** Father, mother, uncle (paternal/maternal), aunt (paternal/maternal).
- **Third generation:** Self, spouse, brother, sister, brother-in-law, sister-in-law.
- **Fourth generation:** Son, daughter, nephew, niece.

### Types of Questions Based on Blood Relations

- Dialogue/conversation based
- Based on puzzles
- Coding-decoding based

#### Dialogue/conversation based

When a question considers a person talking about another person who is related to him or her through a sequence of relations, it

belongs to the dialogue/conversation-based puzzles.

#### Example 1:

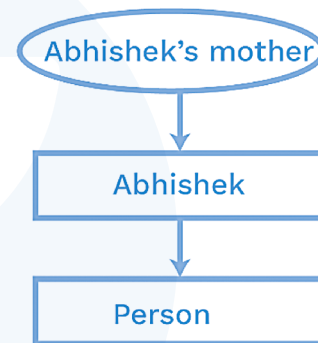
Pointing to a photograph of a person Mr. Abhishek said, “He is the son of the only son of my mother.” How is Mr. Abhishek related to that person?

- (A) Uncle                      (B) Father  
(C) Son                        (D) Brother

#### Solution: (B)

Here, ‘my mother’ means Mr. Abhishek’s mother.

Now, the statement is, the person in the photograph is the son of the only son of Mr. Abhishek’s mother.



Here, the only son of Mr. Abhishek’s mother means Mr. Abhishek is the only son of her mother.

So, Abhishek is the father of the person in the photograph.

Hence, option (B) is correct.

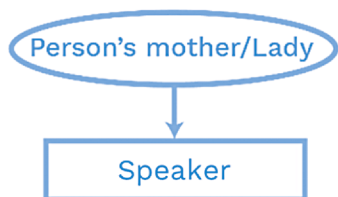
#### Example 2:

Pointing to a photograph, a person tells Rohini, “I am the only son of the lady, and her daughter is your paternal aunt”. How is the speaker related to Rohini’s mother?

- (A) Son                        (B) Uncle  
(C) Father                    (D) Husband

#### Solution: (D)

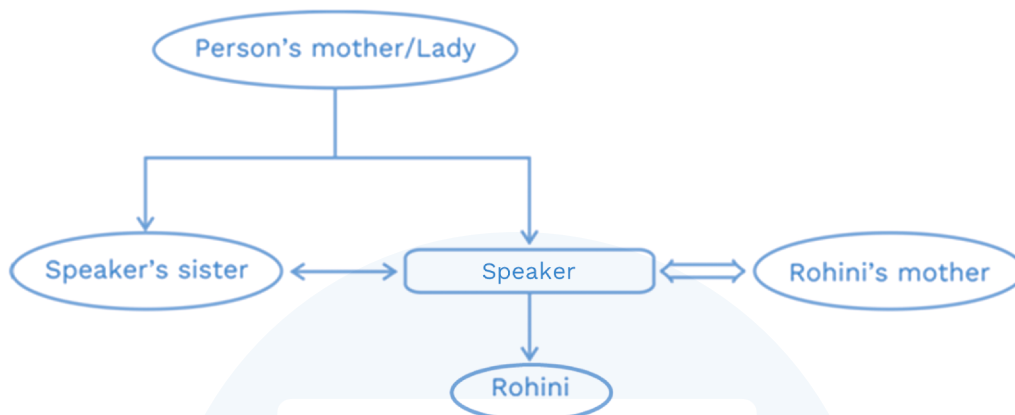
‘the only son of the lady’ refers to the speaker’s mother.



Speaker's mother's daughter = Speaker's sister = Rohini's aunt. So, the speaker is Rohini's father, as shown in the diagram below.

So, the speaker or person is related to Rohini's mother as a husband.

Hence, option (D) is correct.



### Rack Your Brain



1. 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?

### Example 3:

Pointing to a photograph, Nishi says to Suppy, "The girl in the photo is the second daughter of the wife of the only son of the paternal grandmother of my younger sister." How is the girl in the photograph related to Nishi?

- (A) Sister                      (b) Aunt  
(c) Mother                    (d) Sister-in-law

### Solution: (A)

From the line, 'Paternal grandmother of my younger sister' means paternal grandmother of Nishi.

From the line, 'Wife of the only son of paternal grandmother' means mother of Nishi.

### Previous Years' Question

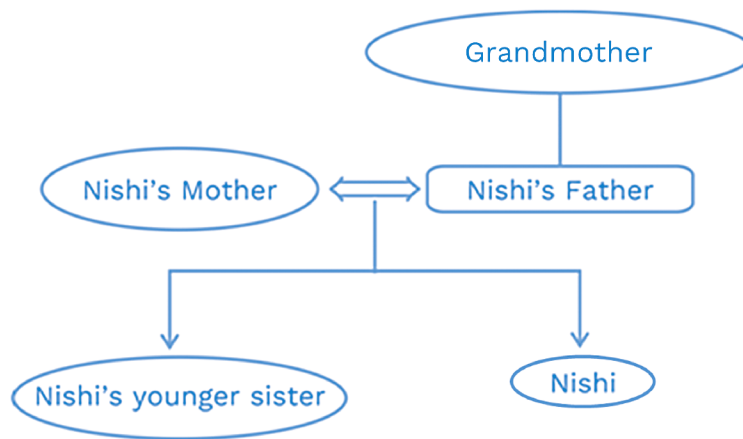


1. Read the following information and answer the question given below it:  
'A + B' means 'A is the daughter of B'.  
'A × B' means 'A is the son of B'.  
'A – B' means 'A is the wife of B'.  
If  $P \times Q - S$ , which of the following is true?  
(A) S is the wife of Q.  
(B) S is the father of P.  
(C) P is the daughter of Q.  
(D) None of these.

The line, 'the second daughter of the mother', means the younger sister of Nishi.

So, the girl in the photo is younger sister of Nishi.

Hence, option (A) is correct.



### Based on puzzles

To solve a puzzle based on blood relations, one should use the family tree using symbols. Every statement in the puzzle defines a relationship between two or more family members.

### Solution: (C)

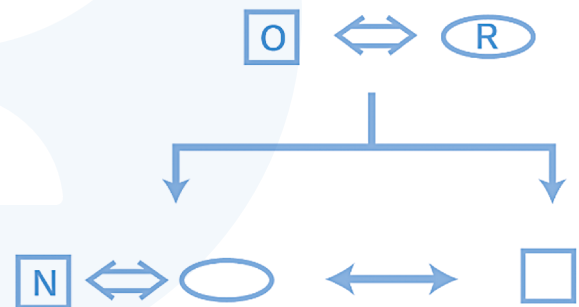
Here, it is given that O is the husband of R and has only two children, one is a boy and the other is a girl. Also, there are only two married couples in the family.

It is given that N is the son-in-law of R. Hence, accommodating N in the diagram.

### Rack Your Brain



- Harpreet, introducing a girl at a party said, 'she is the wife of the grandson of my mother and my mother has only one son'. How is Harpreet related to the girl?



### Example 4:

In a family, there are three generations of six members M, N, O, P, Q, and R. There are only two married couples in the family. O is the husband of R and has only two children, one girl and one boy. M is P's uncle.

- If N is the son-in-law of R. How is Q related to M?
  - Son
  - Brother
  - Sister
  - Daughter

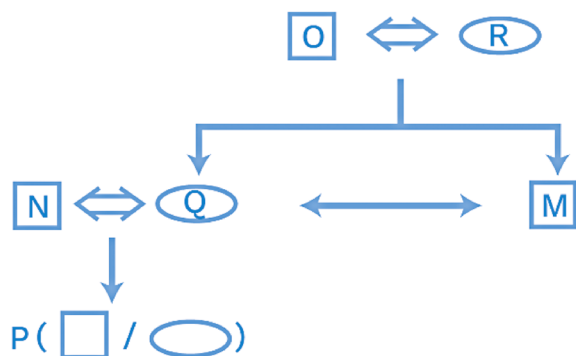
M is P's uncle and the family has three generations.

Hence, M is the son of O and R, and P is the child of N.

Q is the wife of N.



Hence, the family tree is:



Hence, Q is the sister of M.

Hence, option (C) is correct.

### Previous Years' Question

2. Vikas was showing a photograph to his friend and pointing to a boy, and made the following statement

“His name is Atul and his maternal grandfather’s brother is my maternal grandfather’s sister’s son”. How is Atul related to Vikas?

- (A) Uncle
- (B) Nephew
- (C) Cousin brother
- (D) None of the above

### Example 5:

In a family, there are only two married couples. Kamal is the father of Swapnil and Reet is the mother of Kamal. Silk is the sister of

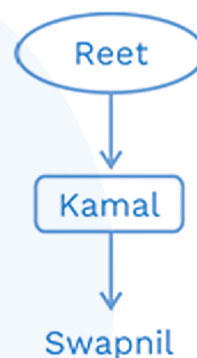
Tashi whose daughter is Bimla. Arjun, the husband of Reet, is the paternal grandfather of Bimla. Bhanu is the father of Silk and the brother of Harpreet. Arjun has only two children, both of opposite gender.

Who among the following is the son of Tashi?

- (A) Bhanu
- (B) Swapnil
- (C) Arjun
- (D) Cannot be determined

**Solution: (D)**

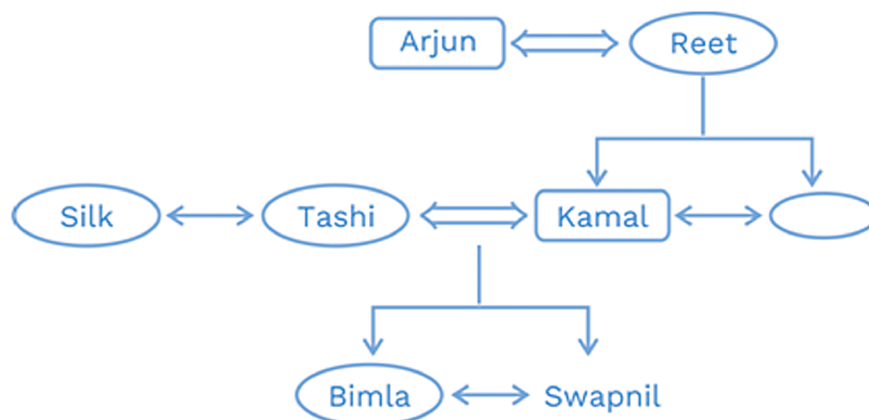
From the line, ‘Kamal is the father of Swapnil and Reet is the mother of Kamal’, we can draw the following diagram.



It has been said ‘Arjun, the husband of Reet is the paternal grandfather of Bimla’.

From the line, ‘Silk is the sister of Tashi whose daughter is Bimla, and Arjun has only two children, both of opposite gender’ it can be concluded that Tashi is the wife of Kamal.

The diagram will be:

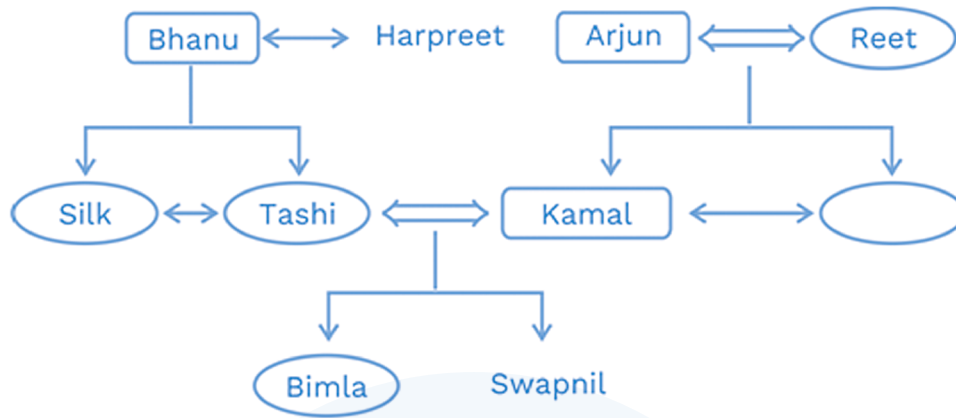




Considering the line, 'Bhanu is the father of Silk and brother of Harpreet', the diagram will be:

Here, the gender of Swapnil cannot be determined.

Hence, option (D) is correct.



#### Previous Years' Question

3. Nalini, her brother, her daughter, and her son are tennis players and are playing a game of doubles. Their positions on the court are as follows: Nalini's brother is directly across the net from her daughter. Her son is diagonally across the net from the best player's sibling. The best player and the worst player are on the same side of the net. Who is the best player?
- (A) Nalini  
(B) Nalini's brother  
(C) Nalini's daughter  
(D) None of these

#### Previous Years' Question

4. There was a party organised and the following members attended the party: Sheela, Amruta, Rohit, Rahul, Ajay, Ranveer, and Gauri.
- Sheela is the mother-in-law of Amruta, who is the sister-in-law of Rohit. Rahul is the father of Ajay. Ajay is the brother of Rohit. Ranveer is the only brother of Rahul, who is the father-in-law of Gauri. Gauri was married to Rohit. How is Sheela related to Ranveer?
- (A) Cousin  
(B) Mother  
(C) Sister  
(D) None of the above

#### Coding-decoding based

Coding-decoding-based blood relations questions are based on the relationship

among the members of the family which are represented by certain specific codes or symbols like @, #, !, +, &, \$, etc.



### Example 6:

Read the following information carefully and answer the given question.

- P \$ Q means P is the father of Q.
- P # Q means P is the Husband of Q.
- P @ Q means P is the sister of Q.
- P £ Q means P is the brother of Q.
- P \* Q means P is the mother of Q.

What should come in place of the question mark to make the expression 'M is aunt of L' true?

A \$ C # M ? P \* L

- (A) #  
(B) @  
(C) \*  
(D) £

#### Solution: (B)

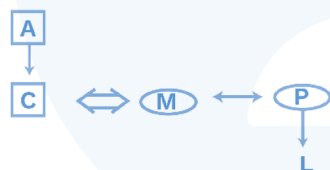
From the given information,

A is the father of C.

C is the husband of M.

P is the mother of L.

- \$ → Father  
# → Husband  
@ → Sister  
£ → Brother  
\* → Mother



If P is the sister of M, only then M becomes the aunt of L.

So, the correct symbol in place of '?' is '@'.

Hence, option (B) is correct.

### Example 7:

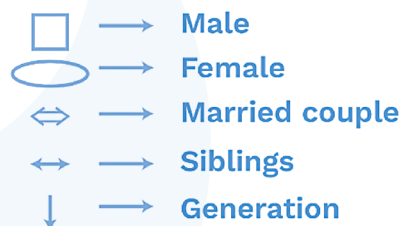
There are nine members: Romil, Ananya, Kim, Tokyo, Berlin, Ryan, Lauren, Moscow, and Merryl in a family. The number of males is one more than the females. Tokyo is the daughter-in-law of Berlin. Ananya's brother Ryan has only one sister. Lauren is the mother-in-law of Ryan. Kim is the wife of Ryan's father. Ananya is the only daughter of Berlin. Merryl and Romil are children of Tokyo.

If Moscow is the son-in-law of Berlin. Then how is Ryan related to Moscow?

- (A) Father-in-law  
(B) Brother-in-law  
(C) Nephew  
(D) Cannot be determined

#### Solution: (B)

As discussed earlier, we use the following symbols for various relations and genders.



Let's summarise the given information.

- Tokyo is the daughter-in-law of Berlin.
- Ananya's brother Ryan has only one sister.
- Lauren is mother-in-law of Ryan.
- Kim is the wife of Ryan's father.
- Ananya is the only daughter of Berlin.
- Merryl and Romil are children of Tokyo.

### Rack Your Brain

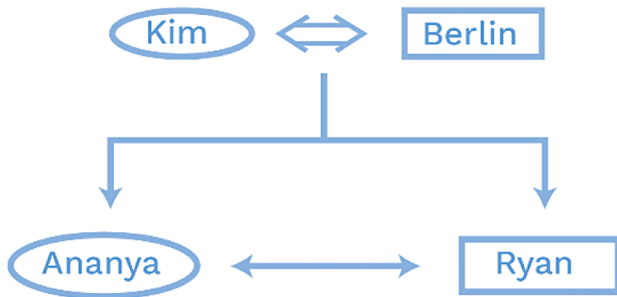


3. X is the husband of Y. W is the daughter of X. Z is the husband of W. N is the daughter of Z, what is the relationship between N and Y?

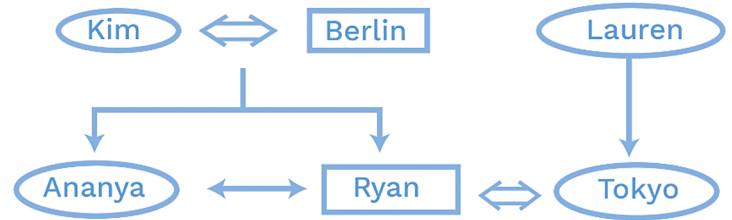




From points (iv), (ii), and (v), we can draw the following information given in a diagram:

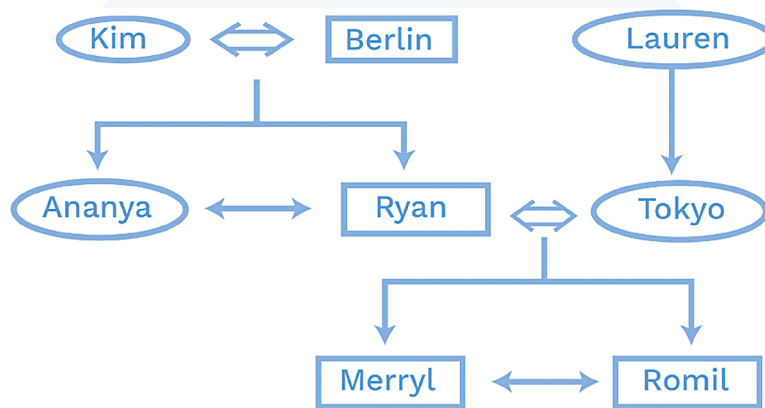


From points (i) and (iii),

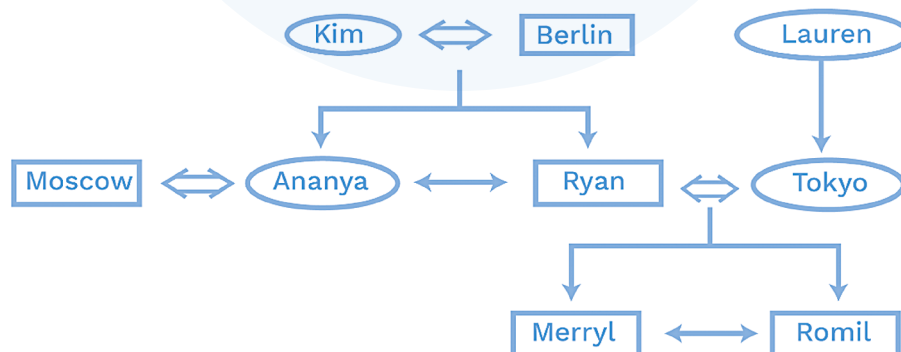


From (vi), in a family there are four females because it is given that the number

of males is one more than the number of females. So,



If Moscow is the son-in-law of Berlin, then,



Hence, Ryan is the brother-in-law of Moscow.

Hence, option (B) is correct.



### Previous Years' Question

**5. Read the following information to answer these questions.**

There is a group of six persons A, B, C, D, E, and F from a family. They are psychologist, manager, lawyer, jeweller, doctor, and engineer.

- I. The doctor is the grandfather of F who is a psychologist.
- II. Manager D is married to A.
- III. C, the jeweller is married to the lawyer.
- IV. B is the mother of F and E.
- V. There are two married couples in the family.

What is the profession of E?

- (A) Doctor
- (B) Lawyer
- (C) Engineer
- (D) Cannot be determined

## Level of Difficulty – 1

1. Pointing to a photograph of a man, Amal said, “he is the son of the only child of my mother”. How is Amal related to that man in the photograph?
- (A) Father  
(B) Uncle  
(C) Cousin  
(D) Cannot be determined

## Directions for Questions 2 and 3

A is the father of P and Q. R is the mother of S, N is the son of P. N is the only brother of S. R is the daughter-in-law of M. M has only one daughter and one son.

2. How is S related to A?
- (A) Daughter  
(B) Grandson  
(C) Granddaughter  
(D) Either (B) or (C)
3. How is M related to Q?
- (A) Mother  
(B) Sister  
(C) Sister-in-law  
(D) Father

## Direction for Question 4

In the following question, the symbols: !, @, #, \$, and % are used with different meanings as follows:

- ‘A ! B’ means A is the mother of B.
  - ‘A @ B’ means A is the father of B.
  - ‘A # B’ means A is the sister of B.
- ‘A % B’ means A is the wife of B.  
‘A \$ B’ means A is the brother of B.

In the following question, which of the two conclusions (I and II) given below is/are definitely true?

4. M # P @ Q \$ N % S

I. P @ N

II. M # S

- (A) If only conclusion I is true.  
(B) If only conclusion II is true.  
(C) If either conclusion I or II is true.  
(D) If neither conclusion I nor II is true.

## Direction for Question 5

- If ‘M × J’ means M is the sister of J.
- ‘M + J’ means M is the father of J.
- ‘M – J’ means M is the mother of J.

5. Which of the following means R is the aunt of P?

- (A)  $P \times Q + R$   
(B)  $R + P \times Q$   
(C)  $R \times Q + P$   
(D)  $R \times Q + S - P$

6. Looking at a photograph, Vinod says to his friend, “Her mother’s mother-in-law’s only sister is my only cousin’s only aunt”. How is the father of the person in the photograph related to my mother?

- (A) Son  
(B) Cousin  
(C) Grandson  
(D) Nephew

7. Pointing at a photograph, Mohan says, “My mother is the only sister of her father’s father-in-law’s daughter”. What is the relation of Mohan with the person in the photograph?

- (A) Cousin  
(B) Sister  
(C) Mother  
(D) Cannot be determined



8. A says to B, your mother's brother-in-law's daughter's paternal grandfather is my father, what A possibly can't be for B?  
(A) Father  
(B) Mother  
(C) Aunt  
(D) Uncle
9. Mr Rakesh is the father of Vidya who is the only sister-in-law of the husband of Mr. Amit's maternal aunt. What relation is Amit for Rakesh?  
(A) Nephew  
(B) Brother  
(C) Grandson  
(D) Uncle
10. Andy says to Sandy, "Your father's mother's son-in-law's sister's only sister-in-law's only brother is my mother's only uncle". How is Andy's mother related to Sandy?  
(A) Mother  
(B) Cousin  
(C) Aunt  
(D) Niece

**Directions for Questions 11 to 15: Read the following information carefully and answer accordingly.**

In a family of nine people, A, B, C, D, E, F, G, H, and I, the number of males is half the number of females. The family consists of members of three generations. It is also known that:

- i) A's daughter is D. I is the niece of D.
- ii) There are exactly three married couples.
- iii) G is the sister-in-law of C, who has a sister and a brother.

- iv) I is not the only child.
  - v) B is the mother-in-law of F, who doesn't have any child.
  - vi) D's brother-in-law and sister-in-law are both doctors.
11. Who is the definitely a doctor from following?  
(A) C  
(B) G  
(C) G and F both  
(D) F
12. What is E for C?  
(A) Brother-in-law  
(B) Sister-in-law  
(C) Daughter  
(D) Cannot be determined
13. Who is the wife of A?  
(A) G  
(B) C  
(C) H  
(D) B
14. If H has a medical shop outside his wife's hospital, then what is A for E?  
(A) Uncle  
(B) Father  
(C) Mother  
(D) Grandfather
15. How many siblings does H have?  
(A) 2  
(B) 3  
(C) 1  
(D) Either 2 or 1



## Level of Difficulty – 2

1. Read the following information carefully and answer the given question.

- P \$ Q means P is the father of Q.
- P # Q means P is the Husband of Q.
- P @ Q means P is the sister of Q.
- P £ Q means P is the brother of Q.
- P \* Q means P is the mother of Q.

Which of the following statements is true if the given expression is definitely true:  
Z # Y \* X @ W # V?

- (A) Z is the father of V.
- (B) Y is the mother-in-law of W.
- (C) X is the sister-in-law of V.
- (D) Y is the mother of V.

**Directions for Questions 2 to 5: Read the information and answer the questions that follow.**

On the world environment day, June 5, the Patel family decided to grow organic vegetables in their backyard.

- i) The family of six—Jigar, Jigna, Jignesh, Jitesh, Jamna, and Jinesh bought seeds of organic—vegetables: gourd, tomato, cucumber, carrot, broccoli, and spinach, though not necessarily in the same order.
- ii) There are two married couples.
- iii) Jigna, who planted organic tomato seeds, is the daughter-in-law of Jamna.
- iv) Jigar is the father of Jitesh, the one who planted organic cucumber seeds, and Jitesh is the father of Jignesh, who planted organic spinach.
- v) Jinesh is the brother of Jignesh.
- vi) Gourd is not planted by a female member.
- vii) Jamna's husband planted carrot seeds.

2. Who among them planted organic broccoli seeds?

- (A) Jamna
- (B) Jinesh
- (C) Jigar
- (D) Data inadequate

3. How is Jinesh related to Jigar?

- (A) Granddaughter
- (B) Grandson
- (C) Son
- (D) Data inadequate

4. Who is the husband of Jigna?

- (A) Jitesh
- (B) Jigar
- (C) Jignesh
- (D) Cannot be determined

5. Who among them planted Gourd?

- (A) Jamna
- (B) Jinesh
- (C) Jignesh
- (D) Data inadequate

**Directions for Questions 6 to 10: Read the following information carefully and answer accordingly.**

There are nine members in a family of Jassy—Mojo, Jojo, Chini, Tinni, Sinyu, XoXo, Lila, and Tin-Tin, across three generations. There are only three married couples. Chini is married to Mojo. Jojo is the only child of Tinni. Mojo is the maternal grandfather of Jassy. Jassy's mother has a sibling XoXo. Sinyu is married and she has a mother-in-law. Tinni is the paternal grandmother of Jassy. Tin-Tin is the granddaughter of Lila, who is the father of XoXo's brother-in-law. Sinyu has only one daughter.

6. How is XoXo related to Jassy?

- (A) Uncle
- (B) Aunt
- (C) Nephew
- (D) Cannot be determined



7. If XoXo is a male, then how is XoXo related to Jojo?  
(A) Brother  
(B) Father  
(C) Brother-in-law  
(D) Uncle
8. How is Tinny related to XoXo's sister?  
(A) Mother-in-law  
(B) Daughter  
(C) Son-in-law  
(D) Father-in-law
9. Who among the following is the son-in-law of Chini?  
(A) Tin-Tin  
(B) Tinny  
(C) Sinyu  
(4) Jojo
10. How is Jassy related to Lila?  
(A) Son  
(B) Son-in-law  
(C) Grandson  
(D) Cannot be determined
11. How is S related to V?  
(A) Father-in-law  
(B) Son  
(C) Daughter-in-law  
(D) Son-in-law  
(E) None of these
12. How is N related to T?  
(A) Father  
(B) Grandfather  
(C) Brother  
(D) Son  
(E) Cannot be determined
13. How many male members are there in the family?  
(A) Two  
(B) Three  
(C) Four  
(D) Five  
(E) One
14. How many female members are there in the family?  
(A) One  
(B) Three  
(C) Four  
(D) Five  
(E) Two

**Directions for Questions 11 to 14: Read the following information carefully and answer the questions given below.**

There are seven persons in three generations of the family. There are three married couples. M is the grandfather of N, who is the son of O. M has one son and one daughter. S is the sister-in-law of O, and T is the brother-in-law of U, who is the sibling of O. T and S have no siblings. V is the mother of U.



### Level of Difficulty – 3

#### Directions for Questions 1 to 4

There are 10 persons F, I, K, M, Q, R, S, T, U, and X from three generations. The following information is known about them:

- i) M is the father-in-law of Q, who is the brother-in-law of K.
- ii) There are four married couples. Also, one of the unmarried persons is in the second generation.
- iii) F is the granddaughter of S, who is married to the eldest member of the family.
- iv) X is the mother of I, who is the eldest child of X.
- v) U is the son-in-law of X and has a brother T.
- vi) K is the brother of X.
- vii) R is married to I, who is the niece of K.

1. How is Q related to R?  
(A) Uncle  
(B) Father-in-law  
(C) Nephew  
(D) Son-in-law
2. Who among the following is the niece of K?  
(A) X  
(B) S  
(C) F  
(D) U
3. How many male members are there in the family?  
(A) 4  
(B) 5  
(C) 6  
(D) 7
4. If I bears a child then what would be Q's relationship with the baby?  
(A) Grandfather  
(B) Maternal grandfather  
(C) Uncle  
(D) Grandchild

5. Raghu and Babu are twins. Babu's sister is Reema. Reema's husband is Rajan. Raghu's mother is Lakshmi. Lakshmi's husband is Rajesh. How is Rajesh related to Rajan?  
(A) Uncle  
(B) Son-in-law  
(C) Father-in-law  
(D) Cousin

#### Directions for Questions 6 to 10: Read the following information carefully and answer the given question.

Eight persons P to W, all belonging to the same family, met at a wedding with lavish food and beverage arrangements. P, the youngest person in the group loved the ice-creams on offer. R, who was a vegetarian preferred the paneer, while her husband Q was hooked to the kebabs. V was the father-in-law of T, who was having *rasgullas* by the dozen. R and U were the daughters of the man who loved the fish items. W was the wife of V and grandmother of P and S. P was the cousin of S and the son of the person whose love for kababs was clearly apparent. There was also a member who preferred the mutton dishes, whose mother however had a fast on that very day, and could only drink Sprite. No member had any common food at the wedding.

6. Who loved the fish items at the wedding?  
(A) W  
(B) V  
(C) U  
(D) Q
7. Who was the wife of T?  
(A) U  
(B) W  
(C) P  
(D) None of the above



8. Who was the one having a fast on the day of the wedding?

- (A) Q
- (B) V
- (C) P
- (D) W

9. How is S related to R?

- (A) Nephew
- (B) Daughter
- (C) Niece
- (D) Cannot be determined

10. How was the person having endless *rasgullas* related to P?

- (A) Uncle
- (B) Father
- (C) Grandfather
- (D) Son

#### Directions for Questions 11 to 13

Adrain is the paternal aunt of Dakota. Tai is the child of Blair. Kali is the father-in-law of Joe. Mayo is the grandmother of Tai. Dakota is the brother-in-law of Joe, who is not the mother of Tai. Mayo is the sister-in-law of Adrain. Blair is not a sibling of Adrain. Lane is also a member of the family. Only married couples can have children.

11. If Lane is the only son of Joe, then how is Tai related to Kali?

- (A) Niece
- (B) Sister
- (C) Daughter
- (D) Granddaughter

12. If Dakota is married to Candy, then how is Mayo related to Candy?

- (A) Mother
- (B) Aunt
- (C) Mother-in-law
- (D) Niece

13. How is Tai related to Adrain's brother?

- (A) Son
- (B) Daughter
- (C) Grandson
- (D) Cannot be determined

#### Directions for Questions 14 and 15

There are ten members in a family. Three generations are consisting of three married couples, each couple having two children. Alex is the mother-in-law of Dean. Dean is the father of Nancy. Ramo is the spouse of Brane and is the son-in-law of Krish. Krish is the maternal grandfather of Joy. Leon is the sibling of Joy. Cary is the mother of Mark, who is the only son of Cary. Leon is the only nephew of Cary.

14. How is Dean related to Brane?

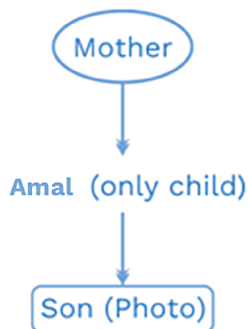
- (A) Brother
- (B) Father
- (C) Brother-in-law
- (D) Nephew

15. How many females are there in the family?

- (A) 3
- (B) 4
- (C) 5
- (D) 6



1. (D)

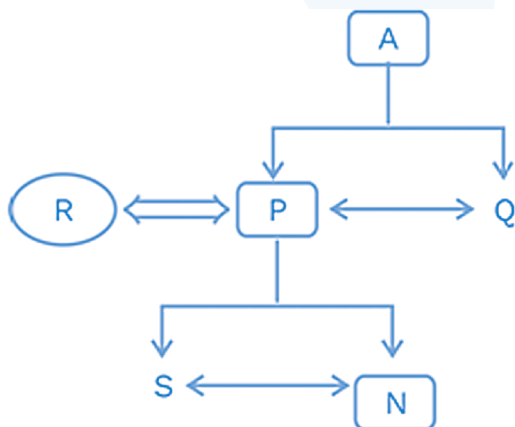


The man in the photograph is the son of the only child of Amal's mother, i.e., the son of Amal.

But, Amal is the only 'child', so we do not know his/her gender. (Note that 'Amal' can be a name of a male or a female). So, the answer cannot be determined. Hence, option (D) is correct.

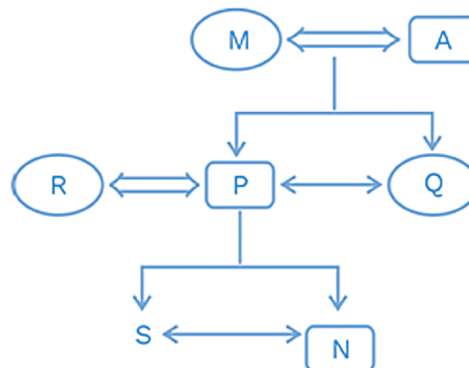
2. (D)

From the above information given in the question, let's make a family tree  
A is the father of P and Q, N is the son of P, N is the only brother of S and R is the mother of S.



Now, it is clear that, if R is the mother of S, then P is the father.

R is the daughter-in-law of M and M has only one son and one daughter.



It is clear in the family tree that the gender of S is not defined.

∴ S may be the grandson or granddaughter of A.

Hence, option (D) is correct.

3. (A)

From the above analysis, M is the mother of Q.

Hence option (A) is correct.

4. (A)

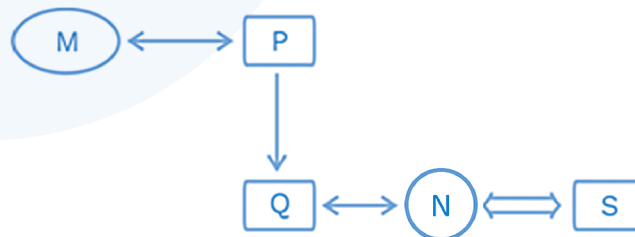
Let's identify the relation with the help of the above information.

M # P means M is the sister of P.

P @ Q means P is the father of Q.

Q \$ N means Q is the brother of N.

N % S means N is the wife of S.



**Conclusion I:** P @ N

P @ N means P is the father of N.

In the above diagram, it is clearly seen that P is the father of Q and N.

∴ Conclusion I follows.

**Conclusion II:** M # S

M # S means M is the sister of S.

As seen in the diagram, M is not the sister of S.

So, conclusion II does not follow.

Hence, option (A) is correct.



**5. (C)**

In these types of questions, Aspirants have to check each option:

From (A)

$P \times Q + R$

P is the aunt of R.

So, this is not the correct answer.

From (B),

$R + P \times Q$

R is the father of P.

So, this is not the correct answer.

From (C),

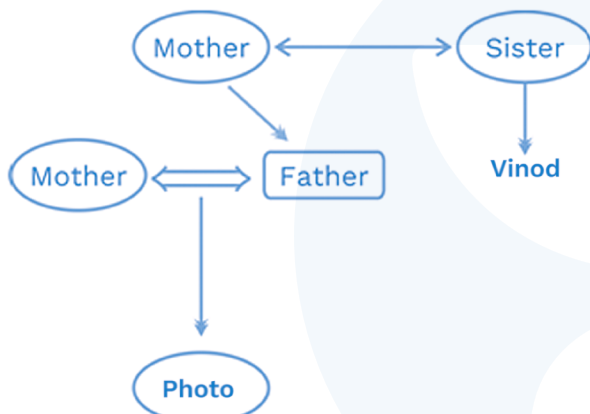
$R \times Q + P$

R is the aunt of P.

So, option (C) is the correct answer.

**6. (D)**

Consider the following family tree,

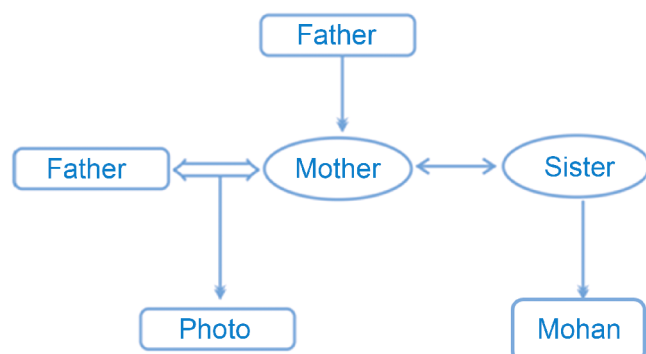


So, the father of the lady in the photograph is the nephew of Vinod's mother. Hence, option (D) is correct.

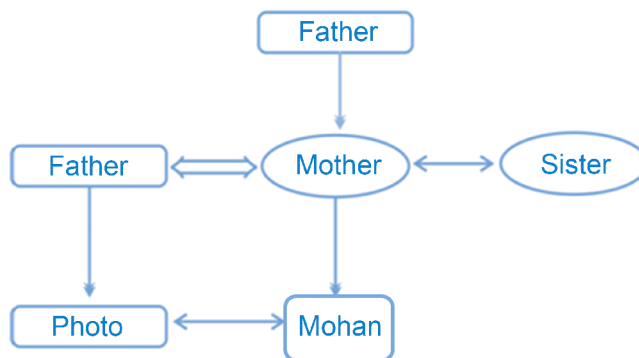
**7. (D)**

Consider the following family tree,

**Case - 1**



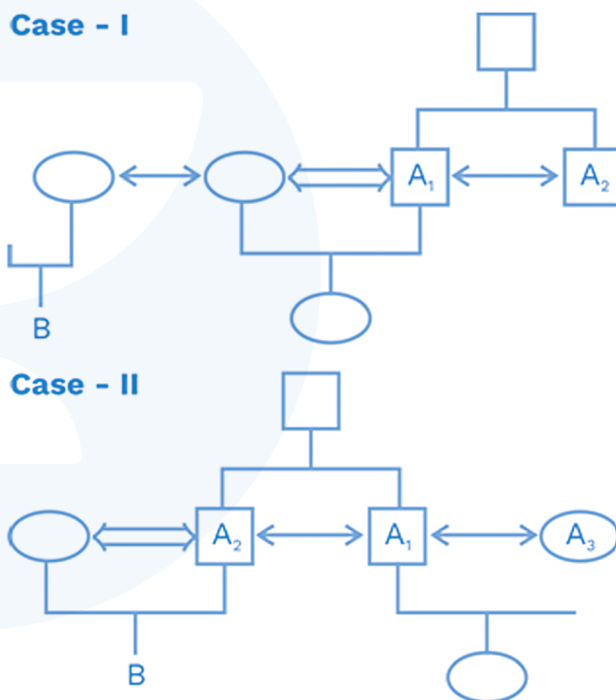
**Case - 2**



So, Mohan can be the sibling or cousin of the person in the photograph. Hence, option (D) is correct.

**8. (B)**

Consider the following family tree,



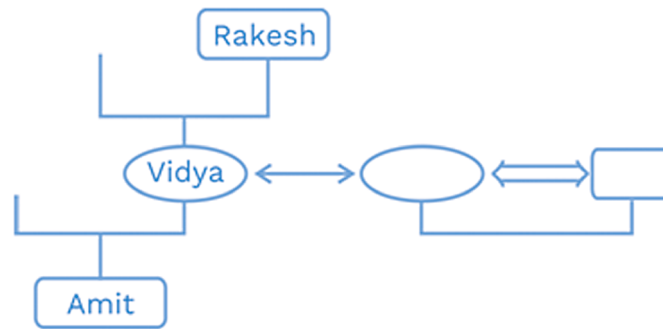
Hence, A can take all three positions and A can be uncle or father or aunt but cannot be a mother.

Hence, option (B) is correct.



**9. (C)**

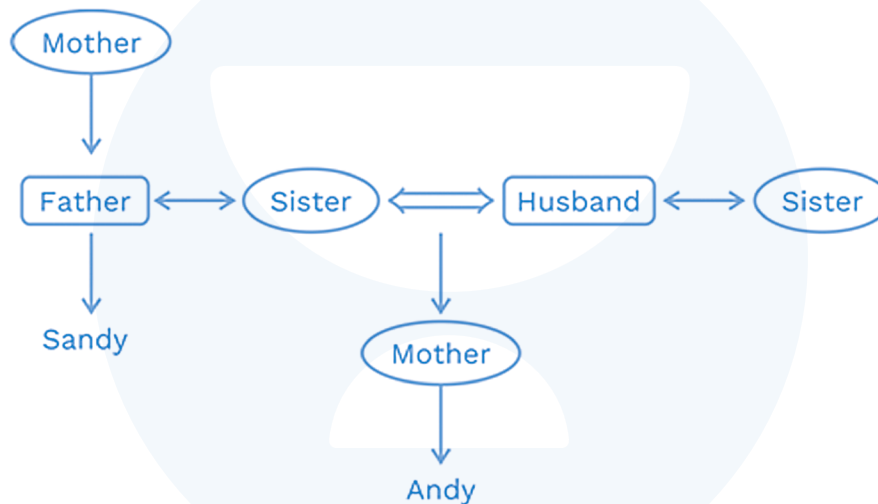
Consider the following family tree,



As it can be seen in the diagram,  
Amit is the grandson of Rakesh.  
Hence, option (C) is correct.

**10. (B)**

Consider the following family tree,



As it can be seen in the diagram, Andy's  
mother is the cousin of Sandy.  
Hence, option (B) is correct.

**11. (C)**

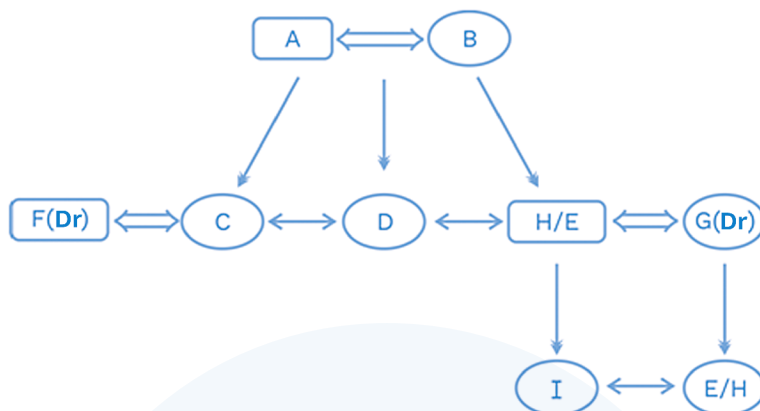
Considering the statements:

A's daughter is D, D's brother-in-law and sister-in-law are both doctors,

G is the sister-in-law of C, who has a sister and a brother, and

B is the mother-in-law of F, who doesn't have any child,

I is the niece of D.



Hence, G and F are definitely doctors.

G is the doctor.

Hence, option (C) is correct.

**12. (D)**

From the diagram above, E can be the brother, as well as the niece of C.

Hence, option (D) is correct.

**13. (D)**

From the diagram above, B is the wife of A.

Hence, option (D) is correct.

**14. (D)**

From the diagram above and from the question we understand that H is the

one who is married to G (G is the doctor and hence works in a hospital). Their child will be E.

So, A will be the grandfather of E.

Hence, option (D) is correct.

**15. (D)**

From the diagram above, H can have either two or one sibling.

Hence, option (D) is correct.



## Level of Difficulty – 2

### 1. (C)

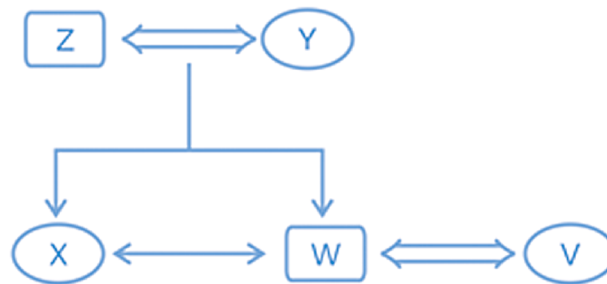
\$ → Father

# → Husband

@ → Sister

£ → Brother

\* → Mother



Hence, it is clear from the family tree that X is the sister-in-law of V.

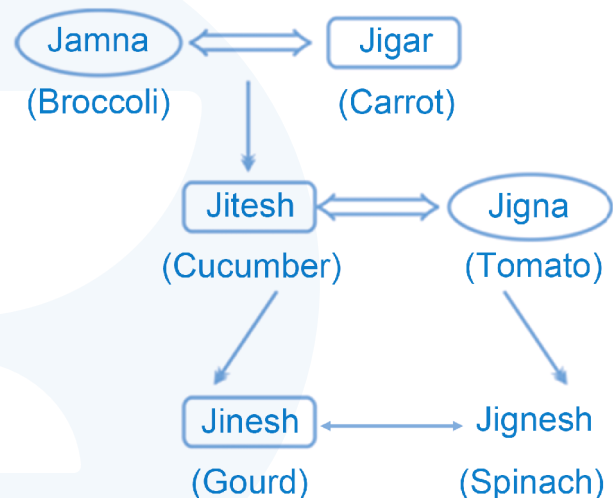
Hence, option (C) is correct.

### 2. (A)

In this question, there are three generations. Jigar is from the first generation and has a son Jitesh who in turn is the father of Jignesh. Jignesh is from the third generation and has a brother Jinesh. Now from the third statement, it is clear that Jamna is from the first generation and is the wife of Jigar as there are two married couples. Jigna is the daughter-in-law of Jamna and Jitesh is the son of Jigar, so Jigna is the wife of Jitesh.

Jigna planted organic tomato seeds, Jitesh planted organic cucumber, and Jignesh planted spinach.

Jigar planted carrot. Now from point (vi), it can be inferred that as a female did not plant bottle gourd seed hence it would have been planted by Jinesh and the remaining seed i.e. broccoli will be planted by Jamna.



Hence, Jamna planted broccoli seeds.

Hence, option (A) is correct.

### 3. (B)

As explained earlier, as Jigar is the father of Jitesh and Jinesh is the son of Jitesh, hence, Jinesh is the grandson of Jigar. Hence, option (B) is correct.



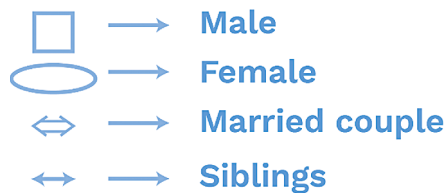
4. (A)

As explained earlier, the husband of Jigna is Jitesh.  
Hence, option (A) is correct.

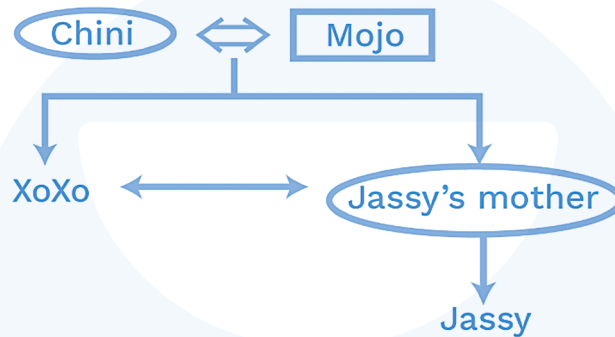
5. (B).

As explained earlier, Jinesh planted gourd.  
Hence, option (B) is correct.

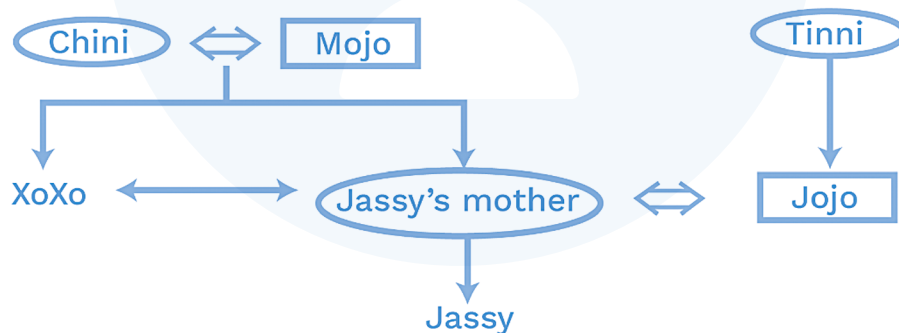
6. (D)



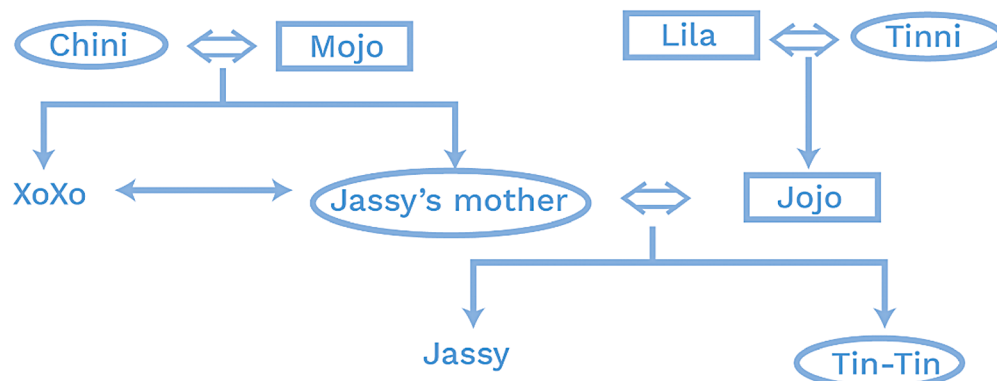
**Step 1:** Chini is married to Mojo and Mojo is the father of Jassy's mother and XoXo.



**Step 2:** Now, Tinni is the paternal grandmother of Jassy and Jojo is the only child of Tinni.

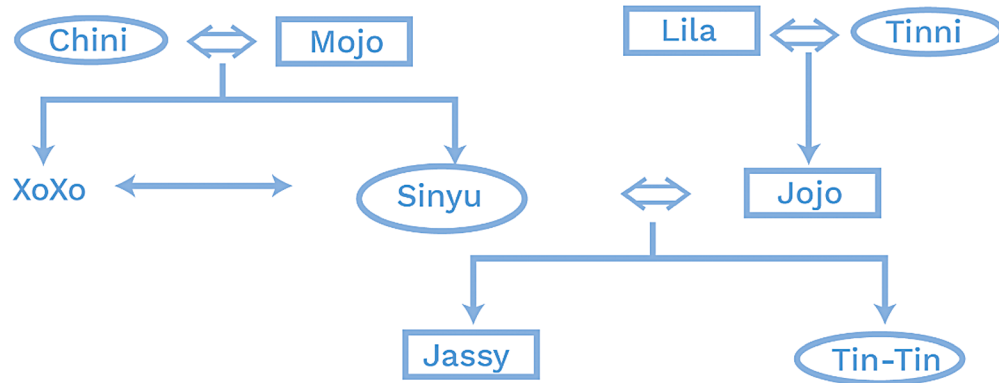


**Step 3:** Tin-Tin is the granddaughter of Lila who is the father of XoXo's brother-in-law.





**Step 4:** Sinyu is married and she has a mother-in-law and Sinyu has only one daughter.



Hence, XoXo's gender cannot be determined.  
Hence, option (D) is correct.

**7. (C)**

As explained earlier, XoXo is the brother-in-law of Jojo.  
Hence, option (C) is correct.

**8. (A)**

As explained earlier, Tinni is the mother-in-law of XoXo's sister.  
Hence, option (A) is correct.

**9. (D)**

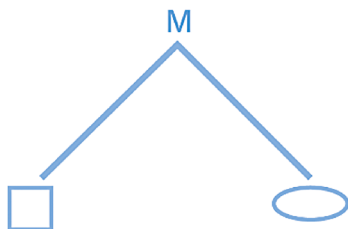
As explained earlier, Jojo is the son-in-law of Chini.  
Hence, option (D) is correct.

**10. (C)**

As explained earlier, Jassy is the grandson of Lila.  
Hence, option (C) is correct.

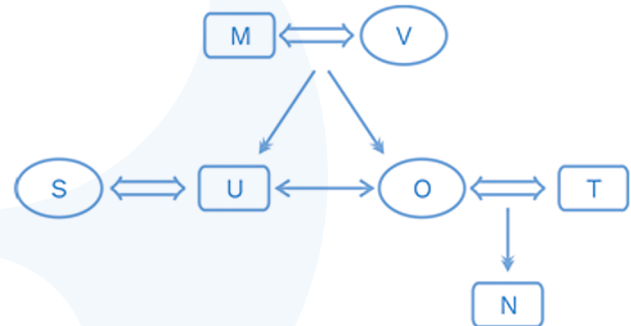
**11. (C)**

There are seven persons in three generations of the family. There are three married couples.  
M, has one son and one daughter.



M is the grandfather of N, who is the son of O. M, has one son and one daughter.

S is the sister-in-law of O and T is the brother-in-law of U, who is a sibling of O. T and S have no siblings. V is the mother of U.



Hence, S is the daughter-in-law of V.  
Hence, option (C) is correct.

**12. (D)**

As explained earlier, the N is the son of T.  
Hence, option (D) is correct.

**13. (C)**

As explained earlier, there are four males in the family.  
Hence, option (C) is correct.

**14. (B)**

As explained earlier, there are three females in the family.  
Hence, option (B) is correct.



### Level of Difficulty – 3

#### 1. (B)

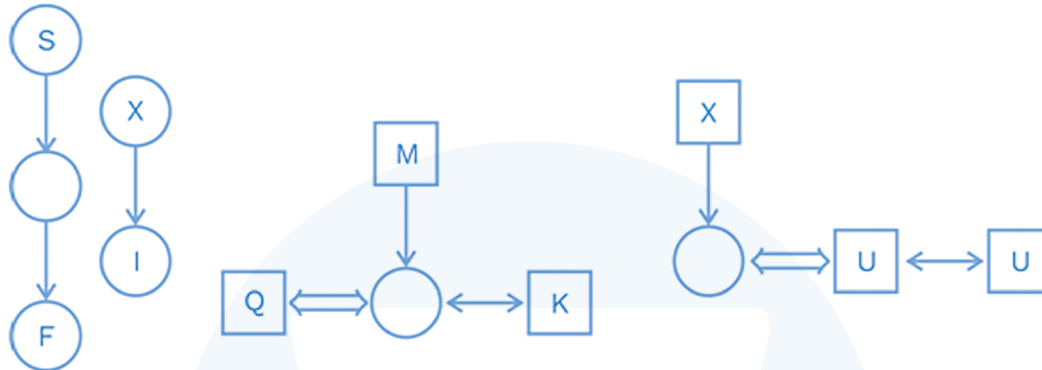
It is given M is the father-in-law of Q, who is the brother-in-law of K.

It is important to keep in mind that there are four married couples. F is the granddaughter of S, who is married to the eldest member of the family.

X is the mother of I.

U is the son-in-law of X and has a brother T and K is the brother of X. So K is a male. But from statement (vi) we cannot say if X is the wife of Q.

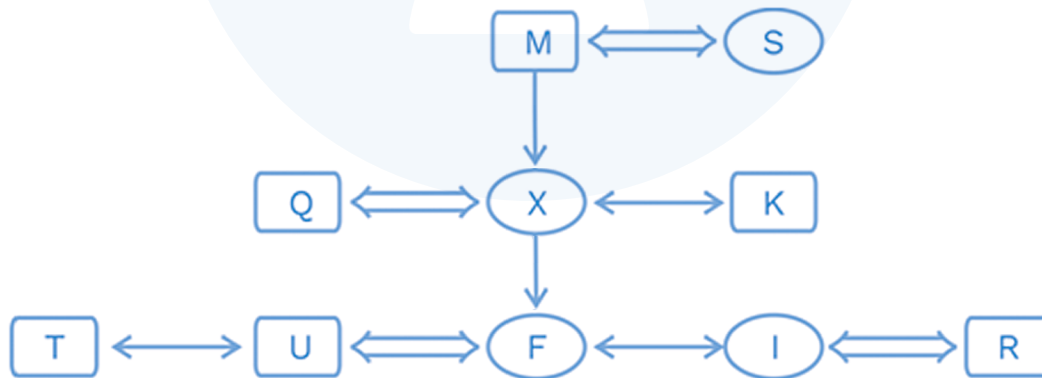
Hence,



As F is in the third generation so F has to be related to U as I is related to R. X has to be with Q and S has to be with

the eldest person then only there can be four married couples.

Now, summing up all the above steps, we get the following diagram:



Hence, Q is the father in law of R.  
Hence, option (B) is correct.

#### 2. (C)

As explained earlier, F is the niece of K.  
Hence, option (C) is correct.

#### 3. (C)

As explained earlier, there are six male members.

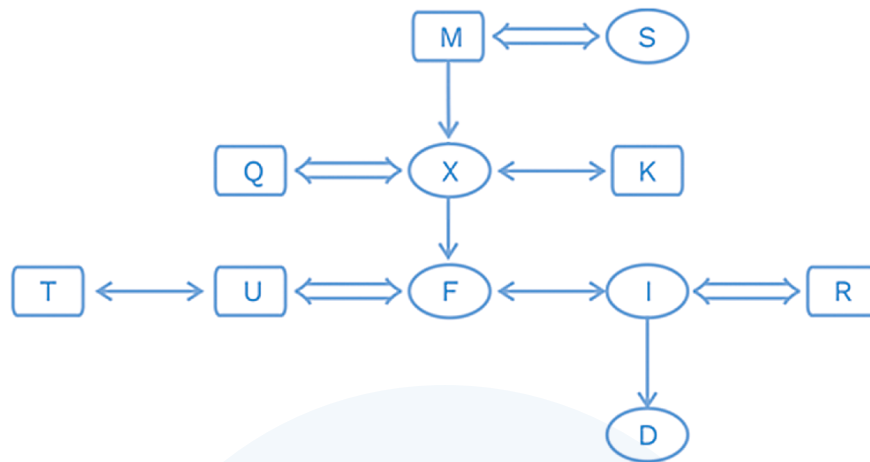
Hence, option (C) is correct.





4. (B)

If D is the child of I and R then Q would be the maternal grandfather of D as I are the daughter of Q and X.

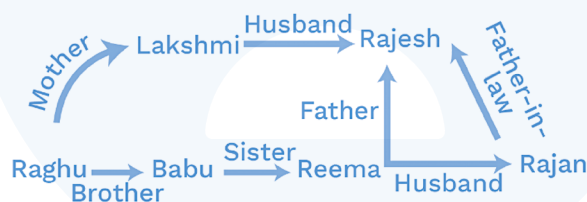


Hence, option (B) is correct.

5. (C)

Let's draw the family tree in a different way.

**Note:** Sometimes, in exam, this approach can be very handy.



From relation tree, we can say that Rajesh is the father-in-law of Rajan.

Hence, option (C) is correct.

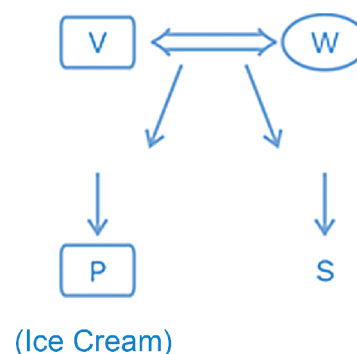
**Questions 6 to 10**

P, the youngest person in the group loved the ice-creams on offer.

W was the wife of V and grandmother of P and S.

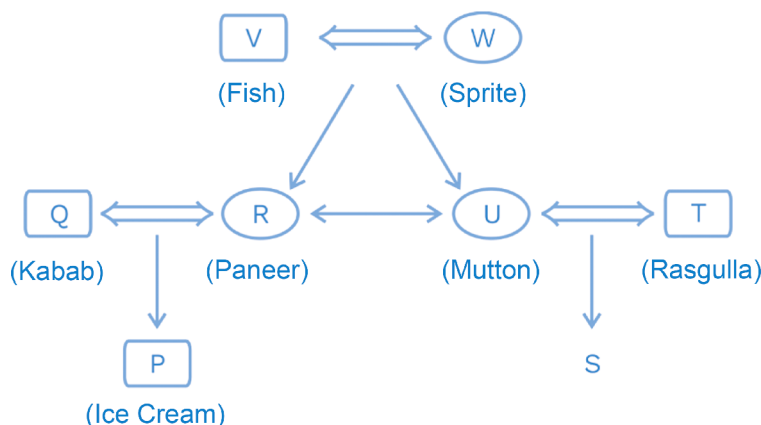
P was the cousin of S and the son of the person whose love for kebabs was clearly apparent

Hence,





Looking at all the other points we can draw the diagram as shown below.



6. (B)

From the diagram drawn above, V loved the fish items at the wedding. Hence, option (B) is correct.

7. (A)

From the diagram drawn above, U was the wife of T. Hence, option (A) is correct.

8. (D)

From the diagram drawn above, W was having only Sprite because she was having a fast on the day of the wedding. Hence, option (D) is correct.

9. (D)

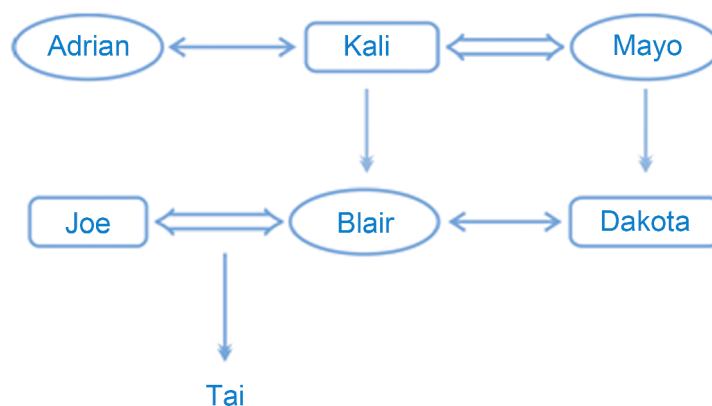
From the diagram drawn above, the gender of S is unknown. Hence the relationship with R cannot be determined. Hence, option (D) is correct.

10. (A)

From the diagram drawn above, the person having endless *rasgullas* was T, who was the uncle of P. Hence, option (A) is correct.

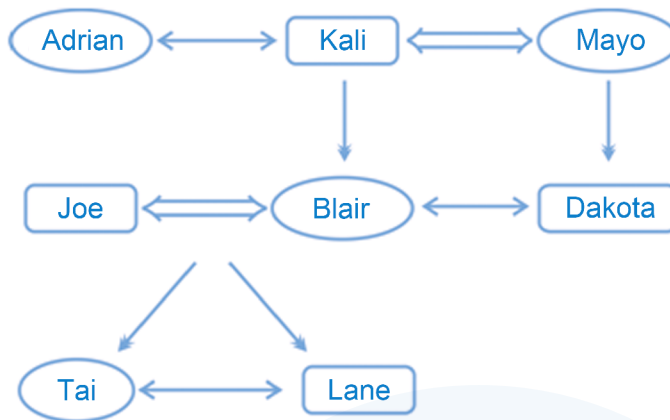
11. (D)

Adrain is the parental aunt of Dakota. Mayo is the sister-in-law of Adrain. Dakota is the brother-in-law of Joe. Kali is the father-in-law of Joe. Tai is the child of Blair. Mayo is the grandmother of Tai. Joe is not the mother of Tai. Blair is not the sibling of Adrain.



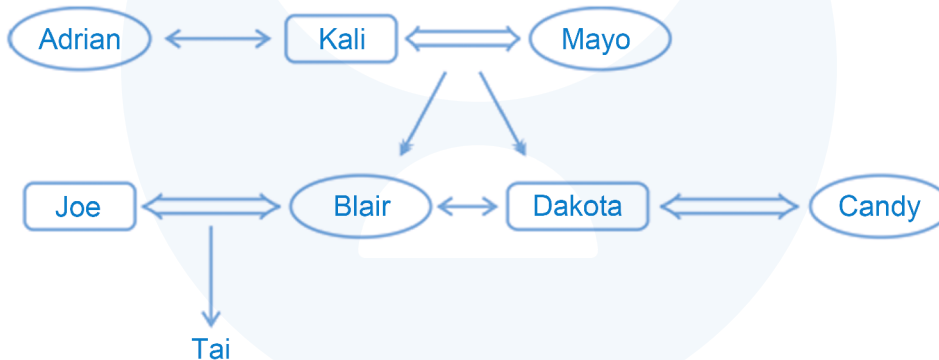


In the question, it is given that Lane is the only son of Joe so Tai must be the daughter of Joe, i.e., Granddaughter of Kali, as shown below.



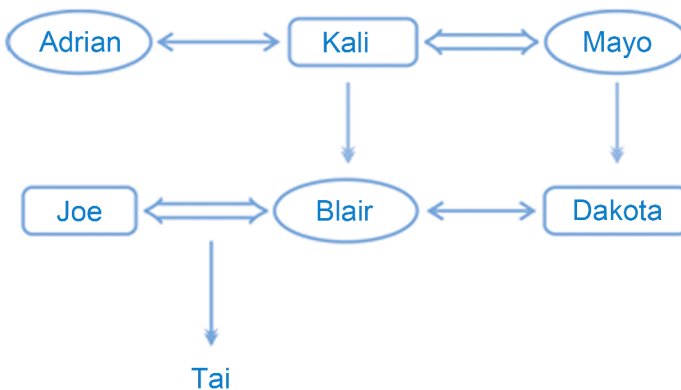
Hence, Tai must be a female, and so will be the granddaughter of Kali.  
Hence, option (D) is correct.

**12. (C)**



Hence, Mayo is the mother-in-law of Candy.  
Hence, option (C) is correct.

**13. (D)**



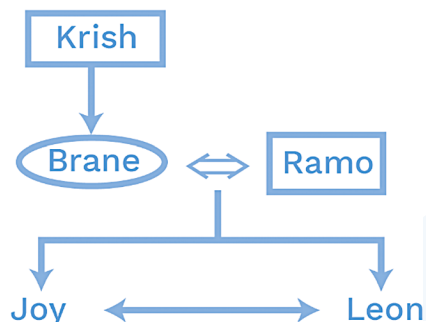


As explained earlier, the gender of Tai is not known, so cannot be determined. Hence, option (D) is correct.

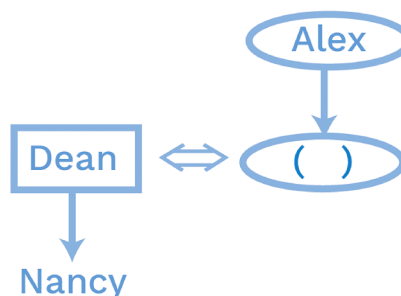
#### 14. (C)

Let's analyse the given information step by step manner.

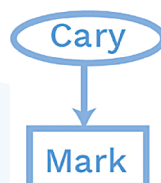
- i) Ramo is the spouse of Brane and is the son-in-law of Krish. Krish is the maternal grandfather of Joy. Leon is the sibling of Joy.



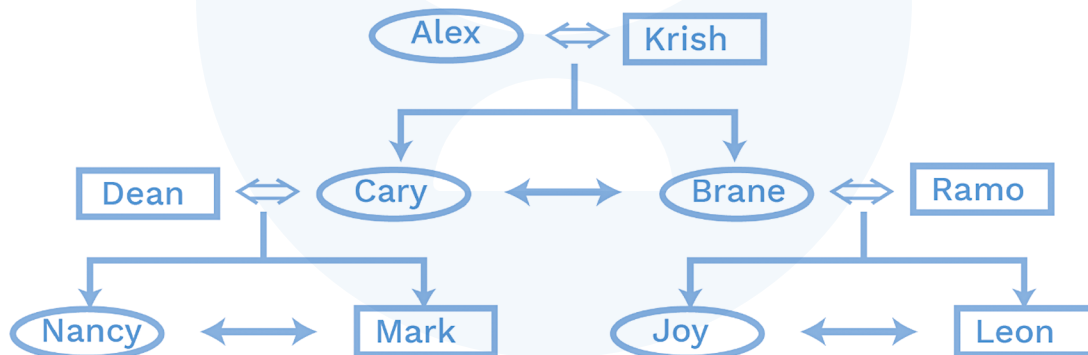
- ii) Alex is the mother-in-law of Dean, who is the father of Nancy.



- iii) Cary is the mother of Mark who is the only son of Cary.



- iv) Since there are three married couples and each married couple has two children by combining hints (i), (ii), and (iii) following solution can be deduced.



- v) Leon is the only nephew of Cary, so Cary and Brane are sisters. Here, Dean is the brother-in-law of Brane. Hence, option (C) is correct.

#### 15. (C)

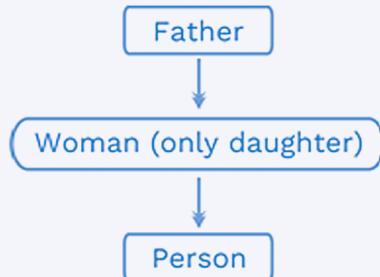
As explained earlier, there are a total of five females in the family. Hence, option (C) is correct.



### Rack Your Brain



1. The following diagram can be drawn based on the information given.



So, the woman is the mother of the person.

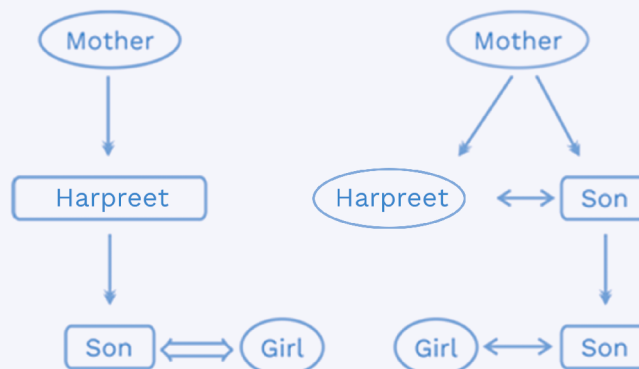
### Previous Years' Question

1.  $P \times Q - S$  implies P is the son of Q, and Q is the wife of S.  
Hence, S is the father of P.  
Hence, option (B) is correct.

### Rack Your Brain



2. The following diagram can be drawn based on the information given.



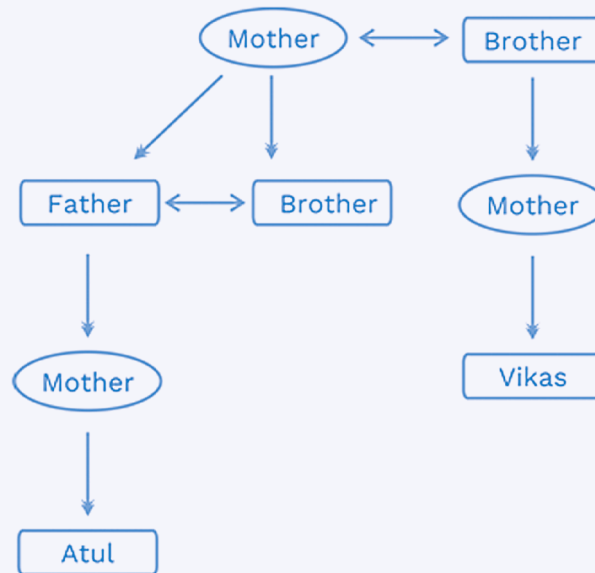
Both the cases can happen depending upon the gender of Harpreet. So, Harpreet could be either the father-in-law or the aunt-in-law of the girl.

So, the relation cannot be determined.



### Previous Years' Question

2. The following diagram can be drawn based on the information given.

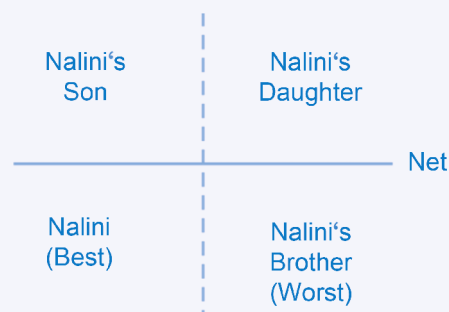


So, Vikas was the uncle of Atul.  
Hence, option (B) is correct.

### Previous Years' Question

3. The following diagram can be drawn based on the information given.

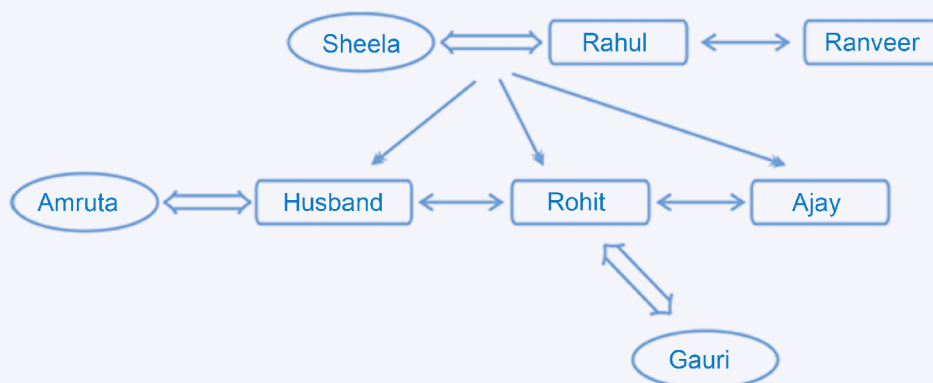
So, Nalini was the best player.



Hence, option (A) is correct.

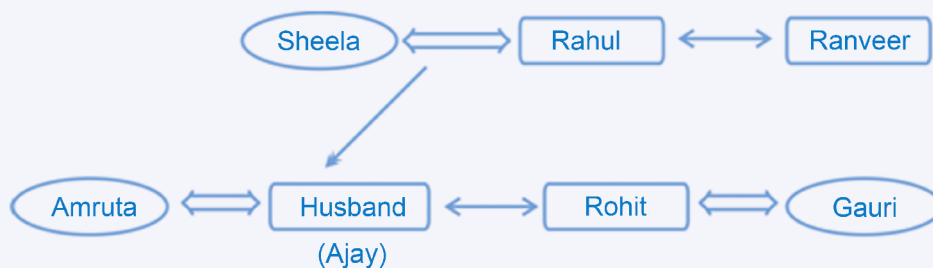
## Previous Years' Question

4. The following diagram can be drawn based on the information given:



Also, Amruta is the wife of Rohit and Ajay's brother.

So,



Both the above cases are possible, depending upon whether the husband of Amruta is Ajay or not.

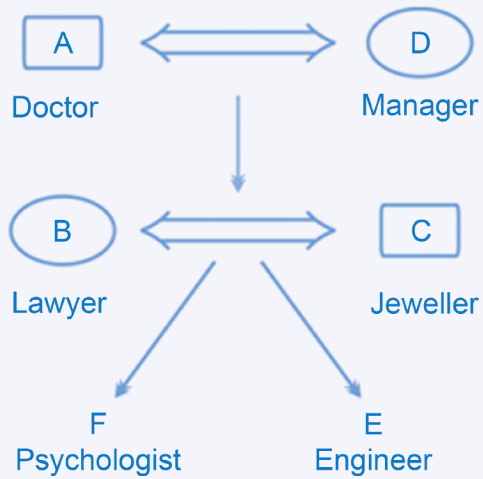
But in either case, Sheela is definitely the sister-in-law of Ranveer.

Hence, option (D) is correct.



### Previous Years' Question

5. The following diagram can be drawn based on the information given.



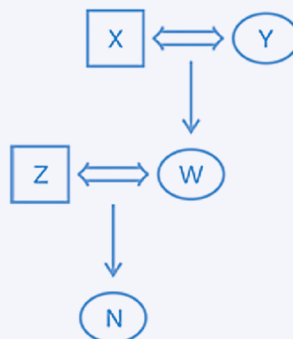
E is the engineer.

Hence, option (C) is correct.

### Rack Your Brain



3. The following diagram can be drawn based on the information given.



So, N and Y are granddaughter and maternal grandmother of each other.