

**EXERCISE**

1. Anil, introducing a girl in a party, said, she is the wife of the 12, grandson of my mother. How is Anil related to the girl?  
(a) Father (b) Grandfather  
(c) Husband (d) Father-in-law
2. A man said to a woman, "Your mother's husband's sister is my aunt." How is the woman related to the man?  
(a) Granddaughter (b) Daughter  
(c) Sister (d) Aunt
3. Introducing Rajesh, Neha said, "His brother's father is the only son of my grandfather". How Neha is related to Rajesh?  
(a) Sister (b) Daughter  
(c) Mother (d) Niece
4. Vinod is the brother of Bhaskar. Manohar is the sister of Vinod. Biswal is the brother of Preetam and Preetam is the daughter of Bhaskar. Who is the uncle of Biswal?  
(a) Bhaskar (b) Manohar  
(c) Vinod (d) Insufficient data
5. A man said to a woman, "Your brother's only sister is my mother." What is the relation of the woman with the maternal grandmother of that man?  
(a) Mother (b) Sister  
(c) Niece (d) Daughter
6. Pointing to a photograph, a man said, "I have no brother or sister but that man's father is my father's son." Whose photograph was it?  
(a) His own (b) His son's  
(c) His father's (d) His nephew's
7. Pointing to a photograph, a lady tells Pramod, "I am the only daughter of this lady and her son is your maternal uncle," How is the speaker related to Pramod's father?  
(a) Sister-in-law (b) Wife  
(c) Neither (a) nor (b) (d) Aunt
8. Introducing a man, a woman said, "His wife is the only daughter of my mother." How is the woman related to that man?  
(a) Aunt (b) Wife  
(c) Mother-in-law (d) Maternal Aunt
9. Deepak said to Nitin, "That boy playing with the football is the younger of the two brothers of the daughter of my father's wife." How is the boy playing football related to Deepak?  
(a) Son (b) Brother  
(c) Cousin (d) Nephew
10. A is the mother of B, C is the father of B and C has 3 children. On the basis of this information, find out which of the following relations is correct:  
(a) C has three daughters. (b) C has three sons.  
(c) B is the son. (d) None of these.
11. A man pointing to a photograph says, "The lady in the photograph is my nephew's maternal grandmother." How is the lady in the photograph related to the man's sister who has no other sister?  
(a) Cousin (b) Sister-in-law  
(c) Mother (d) Mother-in-law
12. A is the brother of B. A is the brother of C. To find what is the relation between B and C. What minimum information from the following is necessary?  
(i) Gender of C  
(ii) Gender of B  
(a) Only (i) (b) Only(ii)  
(c) Either (i) or (ii) (d) both (i) and (ii)
13. Mohan is son of Arun's father's sister. Prakash is son of Reva, who is mother of Vikash and grandmother of Arun. Pranab is father of Neela and grandfather of Mohan. Reva is wife of Pranab.  
How is Vikash's wife related to Neela?  
(a) Sister (b) Niece  
(c) Sister-in-law (d) Data inadequate

## BLOOD RELATION

### Question , Answer & Explanation

14. There is a family of 6 persons A, B, C, D, E and F. There are two married couples in the family. The family members are lawyer, teacher, salesman, engineer, accountant and doctor. D, the salesman is married to the lady teacher. The doctor is married to the lawyer. F, the accountant is the son of B and brother of E. C, the lawyer is the daughter-in-law of A. E is the unmarried engineer. A is the grandmother of F. How is E related to F?
- (a) Brother  
(b) Sister  
(c) Father  
(d) Cannot be established (cannot be determined)
15. Pointing to a girl, Abhishek said, "She is daughter of the only child of my father." How is Abhishek's wife related to that girl?
- (a) Daughter (b) Mother  
(c) Aunt (d) Sister
16. Introducing Sarita, Meena said, "She is the only daughter of my father's only daughter." How is Meena related to Sarita?
- (a) Niece (b) Cousin  
(c) Aunt (d) None of these
17. A and B are married couple. X and Y are brothers. X is the brother of A. How is Y related to B?
- (a) Brother-in-law (b) Brother  
(c) Son-in-law (d) Cousin
18. 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) P and A are cousins  
(b) P is the maternal uncle of A  
(c) Q is the maternal grandfather of A  
(d) C and P are sisters
19. Pointing out to a photograph, a man tells his friend, "she is the daughter of the only son of my father's wife. How is the girl related to the man in the photograph?"
- (a) Daughter (b) Cousin  
(c) Mother (d) Sister
20. Pointing to a boy, Meena says, "He is the son of my grandfather's only son." How is the boy's mother related to Meena?
- (a) Mother (b) Aunt  
(c) Sister (d) Data inadequate
21. Pointing to a lady in the photograph, Shaloo said, "Her son's father is the son-in-law of my mother". How is Shaloo related to the lady?
- (a) Aunt (b) Sister  
(c) Cousin (d) Mother
22. Pointing to Kapil, Shilpa said, "His mother's brother is the father of my son Ashish". How is Kapil related to Shilpa's Husband?
- (a) Sister-in-law (b) Nephew  
(c) Aunt (d) Niece
23. A man said to lady, "Your mother's husband's sister is my aunt." How is the lady related to the man?
- (a) Daughter (b) Grand daughter  
(c) Mother (d) Sister
24. A family has a man, his wife, their four sons and their wives. The family of every son also have 3 sons and one daughter. Find out the total number of male members in the family.
- (a) 4 (b) 8 (c) 12 (d) 17
25. A is B's sister. C is B's mother. D is C's father. E is D's mother. Then, how is A related to D?
- (a) Grandmother (b) Grandfather  
(c) Daughter (d) Granddaughter
26. In a joint family, there are father, mother, 3 married sons and one unmarried daughter. Of the sons, two have 2 daughters each and one has a son. How many females members are there in the family?
- (a) 2 (b) 3 (c) 6 (d) 9

27. A, B and C are sisters. D is the brother of E and E is the daughter of B. How is A related to D?  
(a) Sister (b) Cousin  
(c) Niece (d) Aunt
28. F is the brother of A. C is the daughter of A. K is the sister of F. G is the brother of C. Who is the uncle of G?  
(a) A (b) C (c) F (d) K
29. P is the brother of Q and R. S is the R's mother. T is P's father. Which of the following statements cannot be definitely true?  
(a) T is Q's father (b) S is P's mother  
(c) T is S's husband (d) S is T's son
30. A party consisted of a man, his wife, his three sons and their wives and three children in each son's family. How many were there in the party?  
(a) 24 (b) 22 (c) 13 (d) 17
31. Nithya is Sam's Sister. Mogan is Sam's Father. Selvan is Rajan's Son. Rajan is Mogan's Brother. How is Nithya related to Selvan?  
(a) Daughter (b) Sister  
(c) Cousin (d) Wife
32. X' is the wife of 'Y' and 'Y' and 'Y' is the brother of 'Z', 'Z' is the son of 'P'. How is 'P' related to 'X' ?  
(a) Sister (b) Aunt  
(c) Brother (d) Data inadequate
33. Suket has three daughters and each daughter has a brother. How many male members are there in the family.  
(a) 4 (b) 2 (c) 3 (d) 1
34. A, B, C, D, E, F and G are members of a family consisting of 4 adults and 3 children, two of whom, F and G are girls. A and D are brothers and A is a doctor. E is an engineer married to one of the brothers and has two children. B is married to D and G is their child. Who is C?  
(a) G's brother (b) F's father  
(c) E's father (d) A's son
35. Examine the following relationships among members of a family of six persons A, B, C, D, E and F.  
1. The number of males equals that of females  
2. A and E are sons of F.  
3. D is the mother of two, one boy and one girl  
4. B is the son of A  
5. There is only one married couple in the family at present which one of the following inferences can be drawn from the above?  
(a) A, B and C are all females  
(b) A is the husband of D  
(c) E and Fare children of D  
(d) D is the grand daughter of F
36. Introducing a man, a woman said, "He is the only son of my mother's mother." How is the woman related to the man?  
(a) Mother (b) Cousin  
(c) Niece (d) Aunt
37. Pointing to a man in the park, Naman said, "His son is my son's uncle." How is the man related to Naman?  
(a) Brother (b) Father  
(c) Uncle (d) Grandfather
38. Following are some information about a family consisting of 4 members P, Q, R and S.  
P is an adult male and has 2 children. Q is the son-in-law of P. R is Q's brother-in-law. There is just one couple in the family.  
Who is the daughter of P?  
(a) P (b) R (c) Q (d) S
39. In a family of 5, P is the father of R. S is Q's son. S has R as sister. Therefore, if U has P as brother, then the relationship between Q and U is as follows.  
(a) Q is U's daughter  
(b) U is Q's wife  
(c) Q is the sister-in-law of U  
(d) Q is U's brother-in-law

40. Looking at a portrait of a man, Harsh said, "His mother is the wife of my father's son. Brothers and sisters I have none. "At whose portrait was Harsh looking?  
(a) His son (b) His cousin  
(c) His uncle (d) His nephew
41. Deepak said to Nitin, "That boy playing football is the younger of the two brothers of the daughter of my father's wife." How is the boy playing football related to Deepak?  
(a) Son (b) Brother  
(c) Cousin (d) Nephew
42. Pointing to Kapil, Shilpa said, "His mother's brother is the father of my son Ashish." How is Kapil related to Shilpa?  
(a) Sister-in-law (b) Nephew  
(c) Niece (d) Aunt
43. Pointing to a man, a lady said "His mother is the only daughter of my mother" How is the lady related to the man?  
(a) Mother (b) Daughter  
(c) Sister (d) Aunt

**Answers**

1	(d)	6	(b)	11	(c)	16	(d)	21	(b)	26	(d)	31	(c)	36	(c)	41	(b)
2	(c)	7	(b)	12	(d)	17	(a)	22	(b)	27	(d)	32	(d)	37	(b)	42	(b)
3	(a)	8	(b)	13	(d)	18	(b)	23	(d)	28	(c)	33	(b)	38	(d)	43	(a)
4	(c)	9	(b)	14	(d)	19	(a)	24	(d)	29	(d)	34	(d)	39	(c)		
5	(d)	10	(d)	15	(b)	20	(a)	25	(d)	30	(d)	35	(b)	40	(a)		

### HINTS & EXPLANATIONS

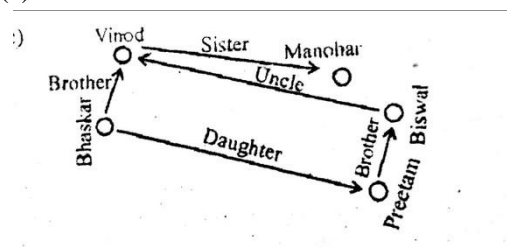
1. (d) Clearly, the grandson of Anil's mother is son of Anil and wife of Anil's son is daughter in-law of Anil. Thus, Anil is the father-in-law of the girl.

2. (c) Woman's Mother's husband

↓  
Woman's father  
Woman's father's sister → Woman's Aunt.  
Since, woman's aunt is man's aunt  
∴ woman is sister of man.

3. (a) Father of Rajesh's brother is the father of Rajesh. Rajesh's father is the only son of Neha's grandfather. Hence, Rajesh's father is Neha's father. So, Neha is the sister of Rajesh.

4. (c)



Thus, Vinod will be uncle of Biswal.

5. (d) The only sister of the brother of the woman will be the woman herself and she is the mother of that man. Thus, the woman is the daughter of the maternal grandmother of that man.

6. (b) Since the narrator has no brother, his father's son is he himself. So, the man who was talking is the father of the man in the photograph, i.e. the man in the photograph is his son.

7. (b) Clearly, the speaker's brother Pramod's maternal uncle. So, the speaker is Pramod's mother or his father's wife.

8. (b) Clearly, only daughter of her mother is woman herself. So, that woman to the wife of man.

9. (b) Father's wife — Mother; Mother's daughter — Sister; Sister's younger brother — His brother. So, the boy is Deepak's brother.

10. (d)

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graph TD
    A[Mother] --> B[Father]
    C[Father] --> B
  
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∴ C has three children but we can't say that he has three daughters or three sons.

So, options (a) and (b) are incorrect.

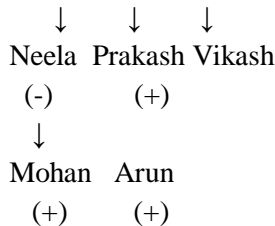
Also, we don't know that B is a boy or girl,

So, option (c) is also incorrect.

11. (c) Clearly, the lady is the grandmother of man's sister's son i.e., the mother of the mother of man's sister's i.e., the mother of man's sister. So, the lady is man's mother.

12. (d) Without knowing the sex of C, we can't be determined whether B is sister of C or B is brother of C. Similarly without knowing the sex of B we can't be determined whether C is sister of B or C is brother of B. Therefore, both (i) and (ii) are necessary.

13. (d) Pranab ⇔ Reva  
(+) (-)



Data inadequate. As nothing is mentioned about vikas wife in the question

14. (d)
- ‘□’ → Male, ‘O’ → Female
- ‘↓’ → offspring, ‘=’ → couple
- ↔ → Sibling
- Salesman D = A Lady
- ↓
- Doctor B = C Lawyer
- ↓
- Accountant F = ↔ E engineer

As, sex of E is not clear, so E can be brother or sister of F.

Hence, relation between E and F can't be established.

15. (b) Girl is daughter of the only child of Abhishek's father or, Girl is daughter of Abhishek.  
Hence, girl is daughter of Abhishek's wife.
16. (d) Meena's father only daughter is Meena. Herself hence, sarita is only daughter of Meena or Meena is the mother of Sarita.
17. (a) X and Y are brothers and  
X is brother of A ⇒ Y is brother of A.  
⇒ Y is brother-in-law of B.
18. (b) C and Q are sisters and A is the son of C. Hence, C is the mother of A or Z is the mother Q.  
Hence, Z is the maternal grandmother of A. P is the son of Z. Hence, P is the maternal uncle of A.

19. (a) Father's wife means mother; mother's only son means himself and thus the girl is the daughter of the man.
20. (a) One's grandfather's only son ⇒ one's father. And the son of one's father ⇒ One's brother or oneself. Hence, the mother of the boy is Meena's mother.
21. (b) Lady's son's father is lady's husband So, the lady's husband is the son-in-law of Shaloo's mother i.e., the lady is the daughter of Shaloo's mother. Thus, Shaloo is the lady's sister.
22. (b) Father of Shilpa's son → Shilpa's husband. So, Kapil is the son of Shilpa's husband's sister. Thus Kapil is Shilpa's Husband's Nephew.
23. (d) Lady's mother's husband → Lady's father  
Lady's father's sister → Lady's Aunt.  
So, lady's aunt is man's aunt and therefore lady is man's sister.
24. (d) The male members in the family are:-  
(i) The man himself  
(ii) his four sons; and  
(iii) his  $(3 \times 4) = 12$  grandsons.  
Hence total numbers of male members  
=  $1 + 4 + 12 = 17$
25. (d) A is the sister of B and B is the son/daughter of C. So, A is the daughter of C. Also, D is the father of C.  
Thus, A is the granddaughter of D.
26. (d) The female members are:-  
(i) mother  
(ii) Wives of 3 married sons  
(iii) unmarried daughter  
(iv) 2 daughter of each of two sons  
∴ Total No of females  
=  $1 + 3 + 1 + 2 \times 2 = 9$
27. (d) E is the daughter of B & B is the brother of E. So, D is the son of B. Also, A is the sister of B. Thus, A is D's Aunt.

## BLOOD RELATION Question , Answer & Explanation

28. (c) G is the brother of C and C is the daughter of A. So, G is son of A. Also, F is the brother of A. So, F is the uncle of G

29. (d) P, Q, R are children of same parent. So, S, who is R's mother and T, who is P's father will be mother and father of all three. However, it is not mentioned whether Q is male or female. So, (d) cannot be definitely true.

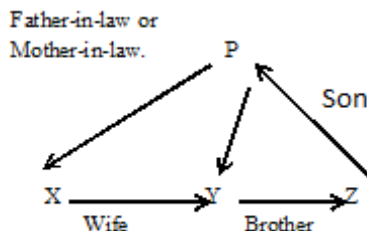
30. (d)

3 children's each ( $3 \times 3$ )

$\therefore$  Total No. of people in the party  
 $= 1 + 1 + 3 + 3 + 3 \times 3 - 8 + 9 = 17$

31. (c) Nithya is Sam's Sister and Mogan is Sam's Father Nithya is Mogan's Daughter. Selvan is Rajan's Son and Rajan is Mogan's Brother  $\Rightarrow$  Selvan is Mogan's Nephew. So, Nithya is Selvan's Cousin.

32. (d) The relationship chart, based on the given problem can be worked out as given below.



The Sex of P is not known

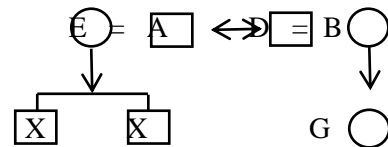
33. (b) Suket has three daughters and each daughter has a brother.



D1 = B = D2 = D3  
 (F) (M) (F) (F)

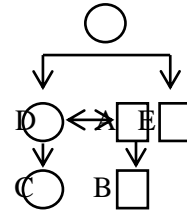
Hence, there are 2 male members in a family.

34. (d) ' $\leftrightarrow$ '  $\rightarrow$  brothers, '='  $\rightarrow$  couple, ' $\downarrow$ '  $\rightarrow$  offspring, ' $\square$ '  $\rightarrow$  male, 'O'  $\rightarrow$  female, 'X'  $\rightarrow$  unknown



Clearly, C and F are the remaining members to be adjusted in place of two x. since, there are 3 children out of which two are girls, i.e. G and F, so clearly the third children C is a boy So C is the son of E and A.

35. (b) 'O'  $\rightarrow$  Female, ' $\square$ '  $\rightarrow$  Male, ' $\leftrightarrow$ '  $\rightarrow$  Couple, ' $\downarrow$ '  $\rightarrow$  Offspring



Since, there is only 1 married couple, so D must be married to A, as D is the mother of two and B is the son of A. Also, as number of males and females are equal, so F must be a female.

36. (c)

37. (b)

38. (d) S is P's daughter, Q's wife and R's sister.



39. (c) P and Q are husband and wife, with R and S as their children. P is U's brother, therefore Q is U's brother's wife, that is, sister-in-law.
40. (a) Since Harsh has no brother or sister, so he is his father's only son.

So, wife of Harsh's father's son—Harsh's wife.  
Thus, Harsh's wife is the man's mother or the man is Harsh's son.

41. (b) Father's wife—Mother; Mother's daughter —Sister; Deepak's sister's younger brother—Deepak's younger brother.

So, the boy is Deepak's brother.

42. (b) Father of Shilpa's son —Shilpa's husband  
So, Kapil is the son of sister of Shilpa's husband.  
Thus, Kapil is Shilpa's nephew.

43. (a)
- |               |                        |
|---------------|------------------------|
| Mother        | Man                    |
| ↓ (-)         | His mother is the only |
| Mother = Lady | daughter of my lady    |
| ↓ (-)         | Mother                 |
| Man           |                        |
| (+)           |                        |



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