

## 1. BLOOD RELATIONS

The success of a candidate in the exams, in answering the questions on blood relations depends upon his knowledge about various blood relations.

The easiest and non-confusing way to solve these types of problems would be to draw a family tree diagram and increase the levels in the hierarchy as shown below:

Gen - 1	Grand Parents	(Grandfather, Grandmother, Granduncle, Grandaunt)
Gen - 2	Parents & In-Laws	(Father, Mother, Uncle, Aunt, Father-in-law, Mother-in-law)
Gen - 3	Siblings, Spouse & In-Laws	(Brother, Sister, Cousin, Wife, Husband, Brother-in-law, Sister-in-law)
Gen - 4	Children & In-Laws	(Son, Daughter, Niece, Nephew, Son-in-law, Daughter-in-law)
Gen - 5	Grand Children	(Grandson, Granddaughter)

Mother's or Father's son :	Brother	Brother's wife :	Sister-in-law
Mother's or Father's daughter:	Sister	Children of same parents :	Siblings (could be all brothers, all sisters or some brothers and some sisters)
Mother's or Father's brother :	Uncle		
Mother's or Father's sister :	Aunt		
Mother's or Father's mother :	Grandmother		
Mother's or Father's father :	Grandfather		
Grandmother's brother :	Granduncle	Children :	Son, Daughter
Grandmother's sister :	Grandaunt	Children's Children :	Grandchildren (Grandson, Granddaughter)
Grandfather's brother :	Granduncle		
Grandfather's sister :	Grandaunt		
Sister's or Brother's son :	Nephew	Spouse :	either husband or wife.
Sister's or Brother's daughter:	Niece		
Uncle or Aunt's son or daughter:	Cousin	Maternal uncle:	mother's brother
Son's wife :	Daughter-in-law	Paternal uncle:	father's brother
Daughter's husband :	Son-in-law	Maternal aunt:	Mother's sister
Husband's or Wife's sister :	Sister-in-law	Paternal aunt:	father's sister
Husband's or Wife's brother :	Brother-in-law		
Sister's husband :	Brother-in-law		

### Exercise

**Directions for questions 1 to 22:** Select the correct alternative from the given choices.

- A person who is the wife of my daughter's brother is my
  - Niece
  - Daughter-in-law
  - Daughter
  - Aunt
  - Sister- In-law
- A is the daughter of B's brother's wife's father-in-law. A is B's \_\_\_\_\_.
  - Niece
  - Daughter
  - Sister
  - Sister-in-law
- Showing a photograph Samrat said, "She is my mother's mother's son's daughter". How is the person in the photograph related to Samrat?
  - Mother
  - Cousin
  - Niece
  - Sister
  - None of these
- How is my mother's father's only son-in-law's sister related to me?
  - Aunt
  - Sister
  - Cousin
  - Niece
  - Mother
- How is Rahul's grandmother's only child's husband's mother related to Rahul?
  - Mother
  - Grandmother
  - Aunt
  - Mother-in-law

6. How is Kesav's mother-in-law's only daughter's daughter related to Kesav?  
 (1) Daughter (2) Sister  
 (3) Uncle (4) Daughter-in-law
7. How is my son's son's father's daughter related to me?  
 (1) Niece (2) Granddaughter  
 (3) Daughter (4) Aunt
8. How is my mother's brother's only son's mother related to me?  
 (1) Mother (2) Cousin  
 (3) Daughter (4) Aunt
9. I. A is the father of B. C is the son of D. E is the brother of C while D is the sister of B. How is B related to E?  
 (1) Uncle (2) Aunt (3) Mother  
 (4) Father (5) cannot be determined
- II. In the above question how is E related to B?  
 (1) Cousin (2) Nephew (3) Niece  
 (4) Son-in-law (5) cannot be determined
10. How I related to my mother's sister's son's father's mother-in-law?  
 (1) Son-in-law (2) Grandson  
 (3) Cousin (4) Data insufficient
11. How is Vinay's father's only daughter-in-law's son's wife related to Vinay?  
 (1) Daughter (2) Daughter-in-law  
 (3) Niece (4) Granddaughter
12. How is Menaka's mother's father's son related to Menaka's father?  
 (1) Son-in-law (2) Uncle  
 (3) Brother-in-law (4) Cousin
13. Rupesh's father, pointing towards a person, said, "He is the brother of my father's only sibling". How is the person related to Rupesh?  
 (1) Father (2) Uncle  
 (3) Brother (4) Grandfather
14. A, introducing a person to B, said "He is the father of your sister's son and he is also my mother's husband". How is A's father related to B's mother?  
 (1) Nephew (2) Uncle  
 (3) Son-in-law (4) Father
15. A is B's father, B is C's daughter, E is D's only sibling. C is D's only daughter. How is B related to E?  
 (1) Niece (2) Granddaughter  
 (3) Daughter (4) Mother
16. My father's only brother's wife's only daughter's paternal uncle is my mother's  
 (1) Father-in-law (2) Uncle  
 (3) Son (4) Husband
17. My mother's brother's son's mother is related to my maternal aunt as  
 (1) Cousin (2) Sister-in-law  
 (3) Aunt (4) Mother-in-law
18. A's mother's husband's mother is C. C's only sibling is D, then how is A's brother related to D?  
 (1) Cousin (2) grand Son  
 (3) Son-in-law (4) Father-in-law
19. How is my mother's mother's only son-in-law's sister related to me?  
 (1) Mother-in-law (2) Sister  
 (3) Aunt (4) Mother
20. A's mother's son's only sister is B. How is A related to C, if B is the mother of C's daughter?  
 (1) Brother (2) Brother-in-law  
 (3) Uncle (4) Nephew
21. A, B are brothers and C, D are sisters, If A's son is D's brother, then how is B related to C?  
 (1) Brother (2) Father-in-law  
 (3) Uncle (4) Father
22. Y is the brother of X's sister's father. D is the daughter of Y, then how is X related to D?  
 (1) Brother (2) Brother-in-law  
 (3) Sister (4) None of these

**Directions for questions 23 to 25:** Use the relations defined below and answer the following questions.

A + B means A is the mother of B.

A - B means A is the sister of B.

A x B means A is the father of B.

A ÷ B means A is the son of B.

A = B means A is the brother of B.

A B means A is the daughter of B.

23. Which of the following means X is the aunt of Y?

- (1)  $X - Z \div Y$  (2)  $X + Z \times Y$   
 (3)  $X - Z \times Y$  (4)  $X - Z + Y$

24. Which of the following means, S is the son of R's daughter?

- (1)  $R \times P + S + Q$  (2)  $R \times P + S = Q$   
 (3)  $R + P \times S - Q$  (4)  $S \div P \div R - Q$

25. Which of the following means W is the uncle of Z?

- (1)  $W \times X - Y + Z$  (2)  $W = X + Y - Z$   
 (3)  $W = X + Y + Z$  (4)  $W - X + Y - Z$

**Directions for questions 26 to 30:** Use the relationships given below and answer the questions followed.

X  $\uparrow$  Y means X is the husband of Y  
 X \$ Y means X is the father of Y.  
 X + Y means X is the mother of Y.  
 X @ Y means X is the brother of Y.  
 X  $\ominus$  Y means X is the sister of Y.  
 X x Y means X is the son of Y.  
 X  $\Rightarrow$  Y means X is the daughter of Y.  
 X  $\downarrow$  Y means X is the wife of Y.

26. If A x B + C \$ D, then A is the \_\_\_\_\_ of D.  
 (1) father (2) uncle  
 (3) brother (4) son
27. E @ F  $\downarrow$  G \$ H means  
 (1) H is the niece of E (2) H is the nephew of E  
 (3) E is the paternal uncle of H  
 (4) either (1) or (2)
28. I \$ J  $\Rightarrow$  K  $\Rightarrow$  L  $\uparrow$  M means  
 (1) I is the son of M (2) I is the nephew of M  
 (3) M is the father-in-law of I  
 (4) I is the son-in-law of M
29. If P  $\ominus$  Q x R @ S and T  $\downarrow$  S, then which among the following is a true statement?  
 (1) P is the niece of S (2) Q is the niece of S  
 (3) S is the father of P & Q  
 (4) S is the aunt of P
30. If W  $\Rightarrow$  X x Y + Z, then which among the following is definitely true?  
 (1) Z is the uncle of W (2) W is the niece of Z  
 (3) W is the daughter of Z  
 (4) W is the son of Z

**Directions for questions 31 to 36:** These questions are based on the information given below.

P, Q, R, S, T and U are six members of a family. P is the mother of Q, who is the husband of S. U is the brother of one of the parents of R. S is the daughter-in-law of T and has no siblings. R is the son of S.

31. How is R related to P?  
 (1) Nephew (2) Son-in-law  
 (3) Grandson (4) Father
32. How is U related to S?  
 (1) Cousin (2) Brother-in-law  
 (3) Brother (4) Father

33. How is T related to U?  
 (1) Mother (2) Mother-in-law  
 (3) Father (4) Father-in-law
34. If U is married to V, then how is V related to Q?  
 (1) Sister (2) Sister-in-law  
 (3) Cousin (4) Mother
35. How many male members are there in the family?  
 (1) Two (2) Three  
 (3) Four (4) Five
36. How many female members are there in the family?  
 (1) Two (2) Three  
 (3) Four (4) Five

**Directions for questions 37 to 41:** These questions are based on the information given below.

A family of eight persons has three married couples. A is the grandmother of C and is the mother-in-law of F. H is the daughter of B, who is the brother of G. D is the only child of G and is the mother of C. E is the wife of B.

37. How is G related to H?  
 (1) Uncle (2) Father  
 (3) Brother (4) None of these
38. How is H related to D?  
 (1) Sister (2) Daughter  
 (3) Cousin (4) Mother
39. D's mother is  
 (1) E (2) A (3) H (4) F
40. Who is the father of F?  
 (1) G (2) B (3) C (4) Data insufficient
41. How is C father related to G's daughter?  
 (1) Son (2) Uncle  
 (3) Husband (4) Father-in-law

**Directions for questions 42 to 45:** These questions are based on the information given below.

The family members - A, B, C, D, E and F stay together. B is the son of C, but C is not the mother of B. A and C is a married couple. E is the brother of C. D is the daughter of A. F is the brother of B.

42. Who is the mother of B?  
 (1) E (2) A (3) C (4) D
43. How many male members are there in the family?  
 (1) 2 (2) 3 (3) 4 (4) None of these

44. Who are the brothers of D?  
 (1) C & E (2) E & F  
 (3) F & C (4) None of these

45. Who are the women in the family?  
 (1) A & E (2) C & D  
 (3) A & E (4) A & D

**Directions for questions 46 to 50:** These questions are based on the information given below.

All the six members of a family P, Q, R, S, T and U are traveling together. Q is the son of R but R is not the mother of Q, P and R are a married couple. S is the daughter of P. T is brother of R. U is the brother of Q.

46. Who is the mother of Q?  
 (1) P (2) S (3) T  
 (4) U (5) None of these
47. Which of the following is a pair of females?  
 (1) SU (2) PT (3) PS  
 (4) QS (5) None of these
48. How many children does P have?  
 (1) 3 (2) 1 (3) 2  
 (4) 4 (5) None of these
49. Who is the wife of the T?  
 (1) Q (2) P (3) U (4) Cannot be found
50. How is T related to S?  
 (1) Uncle (2) Father  
 (3) Brother (4) Can't be found

51. Pointing to a boy, Harika said "He is the son of my grandfather's only child". How is the boy related to Harika?  
 (1) Brother (2) Cousin (3) Sister  
 (4) Data inadequate (5) None of these
52. Pointing to a man a woman said, "He is the only son-in-law of my mother's father". How is the woman related to that man?  
 (1) Aunt (2) Daughter  
 (3) Sister (4) Wife
53. Pointing to a photograph, Sruti said that this lady's mother is my mother's daughter. How is Sruti related to the mother of the lady in the photograph?  
 (1) Mother (2) Aunt (3) Daughter  
 (4) Sister (5) None of these
54. Introducing a gentleman, a lady said "His mother is the only daughter of my mother." How the gentleman is related to that lady?  
 (1) Son (2) Grandson (3) Brother  
 (4) Father (5) None of these
55. Pointing to a photograph, Rohit said, "She is the daughter of my grandfather's only son," How is Rohit related to the girl in the photograph?  
 (1) Father (2) Brother (3) Cousin  
 (4) Data inadequate (5) None of these

Blood Relations																			
1	2	6	1	11	2	16	4	21	3	26	2	31	3	36	1	41	3	46	1
2	3	7	2	12	3	17	2	22	4	27	4	32	2	37	1	42	2	47	3
3	2	8	4	13	4	18	2	23	4	28	4	33	3	38	3	43	3	48	1
4	1	9	5,2	14	3	19	3	24	2	29	1	34	2	39	2	44	4	49	4
5	2	10	4	15	2	20	2	25	2	30	2	35	3	40	4	45	4	50	1
																		51	1
																		52	2
																		53	4
																		54	1
																		55	4