

# Master Exercise

Take a Leap...

1. 'A' is B's brother. "I have as many sisters as brothers", tells 'B' to one of her friends. How many brothers and sisters are there in this family?  
(a) Two brothers and two sisters  
(b) One brother and one sister  
(c) One brother and two sisters  
(d) Two brothers and one sister
2. Showing the lady in the park, Vineet said, "She is the daughter of my grandfather's only son." How is Vineet related to that lady?  
(a) Brother (b) Cousin  
(c) Father (d) Uncle
3. A man showed a boy next to him and said, "He is the son of my wife's sister-in-law but I am the only child of my parents." How is my son related to him?  
[SSC (CGL) 2013]  
(a) Cousin (b) Brother  
(c) Uncle (d) Nephew
4. Pointing towards a girl, Anurag says, "This girl is the daughter of the only child of my father". What is the relation of Anurag's wife with the girl? [CG PSC 2013]  
(a) Sister (b) Aunt  
(c) Daughter (d) Mother
5. Sunil is the son of Kesav. Simran, Kesav's sister, has a son Maruti and daughter Sita. Prem is the maternal uncle of Maruti. How is Sunil related to Maruti?  
[SSC (CGL) 2013]  
(a) Cousin (b) Uncle  
(c) Brother (d) Nephew
6. D is B's father, B is C's sister-in-law and A's daughter. How is A related to D? [SSC (CPO) 2013]  
(a) Wife (b) Mother  
(c) Father (d) Husband
7. A's mother is sister of B and daughter of C. D is the daughter of B and sister of E. How is C related to E?  
[IB (ACIO) 2013]  
(a) Sister  
(b) Mother  
(c) Father  
(d) Grandmother or grandfather

**Directions (Q. Nos. 8-12)** Read the following information carefully to answer the questions that follow.

- I. Ruchi and Suresh are married couple having two children, Manisha and Divya.
  - II. Divya is married to Amit who is the son of Gauri and Tarun.
  - III. Nishi is the daughter of Amit.
  - IV. Karuna, who is Amit's sister, is married to Harish and has two sons, Vijay and Parikshit.
  - V. Gauri is the grandmother of Parikshit.
  - VI. Manisha is the maternal aunt of Nisha.
8. What is the difference between the number of females and the number of males in the second generation?  
(a) 5 (b) 1  
(c) 2 (d) 3
  9. Which of the following is true?  
(a) Tarun is Divya's maternal uncle.  
(b) Vijay is the son of Manisha  
(c) Gauri is Harish's mother-in-law  
(d) Nishi is the cousin of Karuna
  10. How is Karuna related to Divya?  
(a) Aunt (b) Sister-in-law  
(c) Mother (d) Sister
  11. What is the relationship between Vijay and Nishi?  
(a) Cousins (b) Husband-Wife  
(c) Father-Daughter (d) None of these
  12. Parikshit is the member of which generation?  
(a) 4th (b) 1st  
(c) 2nd (d) 3rd

**Directions (Q. Nos. 13-17)** Read the following information carefully to answer the questions given below.

- I. There are six members in a family.
- II. The members are A, B, C, D, E and F.
- III. D is the daughter of F who is the mother of E.
- IV. E is the daughter of A.
- V. A is the son of C.
- VI. The family consists of one couple who has their parents and their children.

13. What relationship do D and E bear to each other?

- (a) Mother and son
- (b) Sister and brother
- (c) Sisters
- (d) Grandmother and granddaughter

14. Who are the male members in the family?

- (a) A, B and D
- (b) C and F
- (c) A and C
- (d) Cannot be determined

15. Which of the following pairs is the parents of the children?

- (a) BF
- (b) CF
- (c) BC
- (d) None of these

16. How many female members are there in the family?

- (a) 4
- (b) 3
- (c) 2
- (d) None of these

17. Which of the following pairs is the parents of the couple?

- (a) CF
- (b) AF
- (c) BC
- (d) AB

18. 'A + B' means that A is the father of B, 'A - B' means that A is the wife of B, 'A × B' means that A is the brother of B, and 'A ÷ B' means that A is the daughter of B. If 'S ÷ T × U + Z', which of the following is true?

- (a) S is the daughter of Z
- (b) Z is the aunt of S
- (c) S is the aunt of Z
- (d) None of these

19. If S - T + Z, then which of the following statements is true? (condition will be as same as Q. No. 38)

- (a) S is the mother of Z
- (b) Z is the wife of S
- (c) S is the aunt of Z
- (d) S is the sister of Z

**Directions (Q. Nos. 20-22)** Read the following information carefully and answer the questions given below.

'P + Q' means that P is the son of Q, 'P - Q' means that P is the wife of Q, 'P × Q' means that P is the brother of Q, 'P ÷ Q' means that P is the mother of Q and 'P = Q' means that P is the sister of Q.

20. Then, what does 'X + Y + Z' mean?

- (a) Z is the father of Y
- (b) Z is the son of Y
- (c) Z is the uncle of Y
- (d) Z is the brother of Y

21. If A + B - C is given, Which statement is true?

- (a) C is the father of A
- (b) C is the son of A
- (c) C is the uncle of A
- (d) C is the brother of A

22. If A × B ÷ C given, which of the following statement is true?

- (a) A is the brother of C
- (b) A is the father of C
- (c) A is the maternal uncle of C
- (d) A is the nephew of C

**Directions (Q. Nos. 23-24)** 'A + B' means that A is the father of B, 'A - B' means that A is the wife of B, 'A × B' means that A is the brother of B, 'A ÷ B' means that A is the mother of B and 'A = B' means that A is the sister of B. On the basis of this information.

23. What does 'P + Q - R' means?

- (a) P is the father-in-law of R
- (b) P is the son of R
- (c) P is the uncle of R
- (d) P is the brother of R

24. What does 'P × Q ÷ R' means?

- (a) P is the brother of Q
- (b) P is the father of R
- (c) P is the maternal uncle of R
- (d) P is the nephew of R

**Directions (Q. Nos. 25-29)** Read the information carefully and answer the following questions. [SBI (PO) 2013]

If 'A + B' means A is the father of B.

If 'A × B' means A is the sister of B.

If 'A \$ B' means A is the wife of B.

If 'A % B' means A is the mother of B.

If 'A + B' means A is the son of B.

25. What should come in place of the question mark, to establish that J is the brother of T in the expression?

J ÷ P % H ? T % L

- (a) ×
- (b) ÷
- (c) \$
- (d) Either + or X
- (e) None of these

26. Which among the given expressions indicate that M is the daughter of D

- (a) L % R \$ D + T × M
- (b) L + R \$ D + M × T
- (c) L % R % D + T ÷ M
- (d) L \$ D ÷ R % M ÷ T
- (e) None of these

27. Which among the following options is true, if the expression 'I + T % J × L ÷ K' is definitely true?

- (a) L is the daughter of T
- (b) K is the son-in-law of I
- (c) I is the grandmother of L
- (d) J is the brother of L
- (e) None of these

28. Which among the following expressions is true, if Y is the son of X is definitely false?

- (a) W % L × T × Y ÷ X
- (b) W + L × T × Y ÷ X
- (c) X + L × T × Y ÷ W
- (d) W \$ X + L + Y + T
- (e) W % X + T × Y ÷ L

29. What should come in place of the question mark, to establish that T is the sister-in-law of Q in the expression

R % T × P ? Q + V

- (a) +
- (b) %
- (c) ×
- (d) \$
- (e) Either \$ or ×





30. Pinky, who is Victor's daughter, says to Lucy, "Your mother Rosy is the younger sister of my father, who is the third child of Joseph". How is Joseph related to Lucy? [CLAT 2014]  
 (a) Father-in-law (b) Father  
 (c) Maternal uncle (d) Grandfather
31. Sohan said to Mohan, "This girl is the wife of the grandson of my mother". How is Sohan related to this girl? [MAT 2013]  
 (a) Grandfather (b) Father  
 (c) Husband (d) Father-in-law
32. P's father is Q's son. M is the paternal uncle of P and N is the brother of Q. How is M related to N? [CMAT 2013]  
 (a) Nephew (b) Cousin  
 (c) Data inadequate (d) None of these
33. Kamal told Vimal, "Yesterday I defeated the only brother of the daughter of my grandmother." Whom did Kamal defeat? [NIFT (UG) 2013]  
 (a) Father (b) Son  
 (c) Brother (d) Father-in-law
34. A and B are brothers, C and D are sisters. A's son is D's brother, then how is B related to C? [NIFT (PG) 2014, SSC (Multitasking) 2013]  
 (a) Father (b) Brother  
 (c) Grandfather (d) Uncle
35. Introducing Shyam, a lady said, 'The father of his father-in-law is my father-in-law'. How is Shyam related to the lady? [NIFT (PG) 2013]  
 (a) Son (b) Husband  
 (c) Son-in-law (d) Father
36. D is the son-in-law of B, who is the brother-in-law of A, who is the brother of C. How is A related to B? [CMAT 2013]  
 (a) Father (b) Son  
 (c) Data inadequate (d) None of these
37. Pointing to a lady, Chouhan said, 'She is the only daughter of my father-in-law's wife. How is this lady related to Chouhan? [MAT 2013]  
 (a) Mother (b) Wife  
 (c) Cousin (d) Sister
38. Pointing to a lady, Rishi said, 'This son of her brother is the brother of my wife'. How is this lady related to Rishi? [MAT 2013]  
 (a) Mother-in-law  
 (b) Mother's sister  
 (c) Sister of father-in-law  
 (d) None of the above
39. 'S × T' means that S is the mother of T, 'S + T' means that S is the father of T, 'S - T' means that S is the sister of T. On the basis of this information, you have to select the option which shows that A is the grandfather of T? [CMAT 2013]  
 (a)  $A + S + B - T$  (b)  $A \times B + C - T$   
 (c)  $A + B - C \times T$  (d)  $A - C + B \times T$
40. Pointing towards a boy Veena said "He is the son of only son of my grandfather". How is that boy related to Veena? [NIFT (UG) 2013]  
 (a) Uncle (b) Brother  
 (c) Cousin (d) Data inadequate
41. P is the only son of Q who is the only daughter of S. D is the mother of B and daughter-in-law of Q. How is B related to Q? [CMAT 2013]  
 (a) Grandson (b) Granddaughter  
 (c) Son (d) Cannot be determined
42. P's father is Q's son. M is the paternal uncle of P and N is the brother of Q. How is N related to M? [NIFT (UG) 2012]  
 (a) Brother (b) Nephew  
 (c) Cousin (d) None of these
43. Daya has brother, Anil, Daya is the son of Chandra. Bimal is Chandra's father. In terms of relationship, what is Anil of Bimal? [NIFT (UG) 2012]  
 (a) Son (b) Grandson  
 (c) Brother (d) Grandfather
- Directions (Q. Nos. 44-46) Read the following information carefully to answer the questions that follow [MAT 2013]**
- A family consists of six members P, Q, R, X, Y and Z. Q is the son of R but R is not the mother of Q. P and R are married couple. Y is the brother of R. X is the daughter of P and Z is the brother of P.
44. Who is the brother-in-law of R?  
 (a) P (b) Z (c) Y (d) X
45. How many female members are there in the family?  
 (a) One (b) Two (c) Three (d) Four
46. Which of these is a pair of brothers?  
 (a) P and X (b) P and Z  
 (c) Q and X (d) R and Y
47. Mohan is the Son of Arun's father's sister. Prakash is the son of Reva, who is the mother of Vikas and grandmother of Arun. Pranab is the father of Neela and the grandfather of Mohan. Reva is the wife of Pranab. How is the wife of Vikas related to the lady? [NIFT (PG) 2013]  
 (a) Sister (b) Sister-in-law  
 (c) Niece (d) None of these

48. There are six members in a family. A is the father of D, E is the grandfather of D. B is the daughter-in-law of C. F is the uncle of D. What is the relationship of C with F? [MAT 2013]  
 (a) Sister (b) Mother-in-law  
 (c) Mother (d) Data inadequate
49. T, S and R are three brothers. T's son Q is married to K and they have one child Rahul blessed to them. M the son of S is married to H and this couple is blessed with a daughter Madhvi. R has a daughter N who is married to P. This couple has one daughter Karuna born to them. How is Madhvi related to S? [MAT 2013]  
 (a) Daughter (b) Niece  
 (c) Granddaughter (d) None of these
50. Pointing to a man on the stage, Rita said, "He is the brother of the daughter of the wife of my husband". How is the man on the stage related to Rita? [MAT 2013]  
 (a) Son (b) Husband  
 (c) Cousin (d) Nephew
51. 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? [CLAT 2013]  
 (a) Son (b) Brother  
 (c) Cousin (d) Brother-in-law
52. Anil introduced Rohit as the son of the only brother of his father's wife. How is Rohit related to Anil? [NIFT (UG) 2014]  
 (a) Cousin (b) Son  
 (c) Uncle (d) Son-in-law

**Directions (Q. Nos. 53-56)** Read the following information carefully to answer the questions that follow.

There are six children taking part in an essay competition, namely A, B, C, D, E and F. A and E are brothers. F and D are the sisters of E. C is the only son of A's uncle. B and D are the daughters of the brother of C's father. [MAT 2013]

53. How is D related to A?  
 (a) Uncle (b) Sister (c) Niece (d) Cousin
54. How many male competitors are there?  
 (a) 6 (b) 5 (c) 4 (d) 3
55. How many female competitors are there?  
 (a) 5 (b) 4 (c) 3 (d) 2
56. How is C related to F?  
 (a) Cousin (b) Brother (c) Son (d) Uncle
57. Introducing Amrita, Raj said, "Her mother is the only daughter of my mother-in law". How is Raj related to Amrita? [CMAT 2014]  
 (a) Husband (b) Father (c) Wife (d) Uncle
58. Z is maternal uncle of Y, X is maternal grandfather of Z. S is grandson of X. How is S related to Y? [CMAT 2013]  
 (a) Maternal grandfather (b) Maternal uncle  
 (c) Cousin brother (d) None of these
59. Arti and Saurabh are the children of Mr and Mrs Shah. Ritu and Shakti are the children of Mr and Mrs Mehra. Saurabh and Ritu are married to each other and two daughter Mukti and Shruti are born to them. Shakti is married to Rina and two children Subhash and Reshma are born to them. How is Arti related to Shruti? [MAT 2014]  
 (a) Mother (b) Mother-in-Law  
 (c) Sister (d) Aunt
60. In a family, there are seven persons, comprising two married couples, T is the son of M and the grandson of K. M is a widower. M and R are brothers and W is the daughter-in-law of J, who is the mother of R and the grandmother of 'D'. How is D related to M? [MAT 2013]  
 (a) Son  
 (b) Son-in-law  
 (c) Nephew or niece  
 (d) Brother