

LOGICAL REASONING

MODULE 3 – BLOOD RELATIONS

1. J, K, L, M and N went for a trek. J is the son of K, but K is not the father of J. L is the son of M, who is the brother of J. N is the wife of M. How is J related to M?

(a) Nephew (b) Brother
(c) Father (d) None of these

2. Sam's father is the only son of James's father. How is James related to Sam?

(a) Father (b) Brother
(c) Can't be determined (d) None of these

3. a @ b means a is the daughter of b
a # b means a is the husband of b
a \$ b means a is the brother of b

From the above information,
if A @ B \$ C @ D \$ E @ F \$ G, then what is the present generation of A? Assume that the oldest generation in this group is the first generation.

(a) 2nd (b) 3rd
(c) 4th (d) None of these

4. Andy is the brother of Binoy and Cindy. Daisy is Cindy's mother. Eliot is Andy's father. Which of the following statement cannot be definitely true?

(a) Eliot is Binoy's father
(b) Daisy is Andy's Mother
(c) Binoy is Eliot's son
(d) Andy is Daisy's son

5. Pointing to a lady, Harish said, "The son of her only brother is the brother of my wife." How is the lady related to Harish?

(a) Maternal aunt
(b) Grandmother
(c) Sister of father-in-law
(d) None of these

Directions: Questions 6 and 7: If A + B means A is the brother of B; A O B means A is the sister of B; A ⌘ B means A is the daughter of B; A ⊕ B means A is the son of B; A ■ B means A is the father of B; A ⊞ B means A is the mother of B.

6. According to P ⊞ Q + R O S, how is P related to S?

(a) Mother (b) Daughter
(c) Aunt (d) Cannot be determined

7. Deduce the relationship between E and A if 'A ⊞ B O C + D ⊕ E'

(a) Brother – Sister (b) Husband – Wife
(c) Uncle – Aunt (d) Cannot be determined

8. Geetha is the mother-in-law of Seetha who is the sister-in-law of Shyam. Kishore is father of Aditya, the only brother of Shyam. How is Geetha related to Shyam?

(a) Mother-in-law (b) Aunt
(c) Wife (d) Mother

9. Introducing Amit, Priyanshi said, "His brother's father is the only son of my grandfather". How is Priyanshi related to Amit?

(a) Sister (b) Daughter
(c) Mother (d) Niece

10. If A + B means A is the sister of B, A – B means A is the brother of B, A x B means A is the daughter of B, A & B means A is the mother of B. Which of the following relationship shows that L and N are wife and husband?

(a) L – M x N (b) L & M x N
(c) L + M x N (d) None of these

11. Ram told Lakshman, "Yesterday, I met the only brother of the daughter of my grandmother." Whom did Ram meet?
- (a) Cousin (b) Brother
(c) Nephew (d) Father

Directions: Questions 12 to 14: Amitabh has a family of eight members. Prakash is the eldest male member of the family. Radhika is the daughter-in-law of Ramya and sister-in-law of Dhanush and Surya. Apart from Amitabh and Prakash, only Dhanush is a male member in the family. Surya is the aunt of Amitabh's two daughters, Diya and Anu.

12. How is Anu related to Dhanush?
- (a) Grandmother (b) Mother
(c) Niece (d) Aunt
13. Find the relation between Radhika and Diya?
- (a) Sister-in-law
(b) Aunt – Niece
(c) Grandmother – Granddaughter
(d) Mother – Daughter
14. Who is the husband of Radhika?
- (a) Amitabh (b) Dhanush
(c) Prakash (d) Cannot be determined
15. A ● B means A is the brother of B; A ★ B means A is the daughter of B; A ■ B means A is the sister of B. If A ■ B ■ C ★ D ★ E ● F ● G, then how many males and females are there respectively?
- (a) 4, 3 (b) 3, 4
(c) 5, 2 (d) Cannot be determined

17. P's wife is _____.
(a) L (b) N
(c) Q (d) Cannot be determined

18. Pointing to man, Emily said, "He is the youngest son of my father-in-law's only son". How is Emily related to this youngest son's father?
- (a) Mother (b) Wife
(c) Daughter (d) Sister

Directions: Questions 19 and 20: Study the following information carefully and answer the questions given.

A, B, C, D, E, F and G are seven members in a family, out of which there are four males and three females. There are two singers, two dancers, one painter, one actor and one writer. No lady is either a painter or an actor. C is a dancer and is married to A, who is a painter. F, the actor, is married to D, who is neither a dancer nor a writer. No two ladies have the same profession. B is the sister of G, who is a singer.

19. What is E's profession?
- (a) Singer
(b) Dancer
(c) Singer (or) Dancer
(d) Data Inadequate
20. Which of the following is the group of males?
- (a) A, B, F and G
(b) E, F, D and G
(c) A, C, E and F
(d) A, E, F and G

HOME WORK

Directions: Questions 16 and 17: L, M, N, O, P and Q are six members of a family. N is not the mother of M but M is the son of N. L and N are a married couple. P is the brother of N. Q is the brother of M. O is the daughter of L.

16. Which of the following is a pair of females?
- (a) L, O (b) M, O
(c) N, L (d) M, L