TOPIC : Full Logical Reasoning

Directions: Find odd man out of the following (1-3):

1. 52, 51, 48, 43, 34, 27, 16

    (a) 27   (b) 34   (c) 43   (d) 48

2. 24576, 6144, 1536, 386, 96, 24

    (a) 96   (b) 386   (c) 1536   (d) 6144

3. 835, 734, 642, 751, 853, 981, 532

    (a) 751   (b) 853   (c) 981   (d) 532

4. A man started from point P and walked 20 km East to point Q, then turned to North and walked 6 km to point R and then turned West and walked 24 km to point S, then again turned South and walked 6 km to point T. In which direction is he from his starting point?

    (a) West   (b) North   (c) East   (d) South

5. Pankaj is facing west. He turns 45˚ in the clockwise direction and then again another turns with 180˚ in the same direction i.e. clockwise direction, after that he turns 270˚ in the anticlockwise direction. Which direction is he facing now?

    (a) North-West   (b) West   (c) South-West   (d) South

6. X walks southwards and then turns right, then left and then right,. In which direction is he moving now?

    (a) South   (b) North   (c) West   (d) South-West

7. There are five different houses, A to E, in a row. A is to the right of B and E is to the left of C and right of A, B is to the right of D. Which of the houses is in the middle?

    (a) A   (b) B   (c) C   (d) D

8. A, B, C, D, E, F and G are sitting in a row facing North:

    i) F is to the immediate right of E.

    ii) E is 4th to right of G.

    iii) C is the neighbour of B and D

    iv) Person who is third to the left of D is at one of ends.

    Who are to the left of C?

    (a) Only B   (b) G, B and D   (c) G and B   (d) D, E, F and A

9. Six children A, B, C, D, E and F are standing in a row. B is in middle of F and D. E is in middle of A and C. A does not stand next to either F or D. C does not stand next to D. F is between which of the following pairs of children?

   (a) B and E   (b) B and C

   (c) B and D   (d) B and A

10. i) F is the brother of A,

    ii) C is the daughter of A,

    iii) K is the Sister of F,

    iv) G is the brother of C,

    Who is the uncle of G?

    (a) A   (b) C   (c) F   (d) K

11. A is the father of B. C is the daughter of B. D is the brother of B. E is the son of A. What is the relationship between C and E?

    (a) Brother and Sister   (b) Cousins

    (c) Niece and uncle   (d) Uncle and aunt

12. A and B are married couple. X and Y are brothers. X is the brother of A. How is A related to B?

    (a) Brother-in-Law   (b) Brother

    (d) Cousin   (d) None of these

Directions: Find the missing frequency of the following (13-15):

13. 10000,11000,9900,10890,9801, ?

    (a) 10241   (b) 10423   (c) 10781   (d) 10929

14. **2, 7, 27, 107, 427, ?**

    (a) 1707   (b) 4027   (c) 4207   (d) 1207

15. 3,20,63,144,275,?

    (a) 354   (b) 468   (c) 548   (d) 554

16. Suppose X is the husband of Y and W is the daughter of X. Again Z is the husband of W and N is the daughter of Z. The relationship of N to Y is:

    (a) Daughter   (b) Grand Daughter   (c) Cousin   (d) Niece

17. Shyam said, "This girl is the wife of the grandson of my mother." Who is shyam to the the girl?

    (a) Father   (b) Grandfather   (c) Husband   (d) Father-in-law

18. Ranjan introduce Abhay as the son of the only brother of his father's wife. How is Abhay related to Ranjan?

    (a) Son   (b) Brother   (c) Cousin   (d) Uncle

19. G, H, I , J,K, L, M, N are sitting a round table in the same order for group discussion at equal distances. Their positions are clockwise. If M sits in the north, then what will be the position of J?

   (a) East   (b) South-East   (c) South   (d) South-West

20. A man is facing East, then he turns left and goes 10 m, then turns right and goes 5 m then goes 5 m to the South and from there 5 m to West. In which direction is be from his original place?

   (a) East   (b) West   (c) North   (d) South

21. Mohan starts from point A and walks 1 km towards south, turns left and walks 1km. Then he turns left again and walks 1 km. Now he is facing.

   (a) East   (b) West   (c) North   (d) South-west

22. There are four children P, Q, R, S sitting in a row. P occupies seat next to Q but not next to R. If R is not sitting next to S? Who is occupying seat next to adjacent to S.

   (a) Q   (b) P   (c) P and Q   (d) None

23. 8 leaders P, Q, R, S, T, U, V and W are sitting on a bench facing towards North.

   i) T is fourth to the left of P.

   ii) S is fourth to the right of W

   iii) U and R are not sitting at the ends, but they are neighbours of T and Q respectively.

   iv) P is next to the right to W and but left to Q.

   Who are sitting at the extreme ends?

   (a) T and S   (b) P and Q   (c) U and R   (d) None

24. Six persons A, B, C, D, E and F are sitting in two row, three in each row.

   (I) E is not at the end of any row

   (II) D is second to the left of F

   (III) C, the neighbor of E, is sitting diagonally opposite to F

   (IV) B is the neighbor of F.

   Which of the following are in one of the two rows?

   (a) D, B and F   (b) C, E and B   (c) A, E and F   (d) F, B, C

Directions (Qs. 25 - 34): Each of the following questions contains two statements followed by two conclusions numbered I and II. You have to consider the two statements to be true, even if they seen to be at variance at the commonly known facts. You have to decide which of the given conclusions definitely follows from the given statements.

Give answer

(a) if only I follows; (b) if only conclusion II follows; (c) both I and II follows (d) if neither I nor II follows

25. **Statement:** All lemons are mangoes

    Some mangoes are papers

    Conclusions: I. All mangoes are lemons.

    II. Some papers are mangoes.

26. **Statement:** Some chairs are caps.

    No cap is red.

    Conclusions: I. Some caps are chairs.

    II. No Chair is red.

27. **Statement:** Some books are magazines.

    Some magazines are novels.

    Conclusions: I. Some books are novels.

    II. Some novels are magazines

28. **Statement:** No man is a lion.

    Ram is a man.

    Conclusions: I. Ram is not a lion.

    II. All men are not Ram.

29. **Statement:** Some Kings are queens.

    All queens are beautiful.

    Conclusions: I. All kings are beautiful.

    II. All queens are kings.

30. **Statement:** Some radios are TVs

    No TV is camera

    Conclusions: I. Some radios are camera

    II. Some radios are not camera

31. **Statement:** Some girls are flowers.

    Some flowers are books.

    Conclusions: I. Some girls are books.

    II. No books are girls.

32. **Statement:** All the harmoniums are instruments.

    All the instruments are flutes.

    Conclusions: I. All the flutes are instruments

    II. All the harmoniums are flutes.

33. **Statement:** All glasses are mirrors.

    Some mirrors are Black.

    Conclusions: I. All mirrors are glasses.

    II. Some glasses are black.

34. **Statement:** No boy is a girl.

    Varun is boy.

    Conclusions: I. Varun is not a girl

    II. All boys are not varun.

35. Raju facing North and moves 20 km, then he turned to his right and moves 20 km and then he moves 10 km in North-East, then he turned to his right and moves 20 km and then he turned to his right and moves 20 km and again he turned to his left and moves 20 km. Now in which direction Raju is facing?

    (a) South-East   (b) North-East   (c) South-West   (d) North-West

36. Five boys A, B, C, F, E, are sitting in a park in a circle. A is facing South-West, D is facing South-East, B and E are right opposite A and D respectively and C is equidistant between D and B. Which direction is C facing?

    (a) West   (b) South   (c) North   (d) East

37. A cat is facing North and it moves 2 m, then it turned to its right and moves 2 m and then it moves 1 m in North-East, then it turned to its right and moves 2 m and again it turned to its left and moves 2 m. In which direction is the cat facing?

    (a) South-East   (b) North-East   (c) South-West   (d) North-West

38. Laxman went 15 km to North then he turned West and covered 10 kms. Then he turned south and covered 5 kms. Finally turning to East he covered 10 kms. In which direction he is from his house?

    (a) East   (b) West   (c) North   (d) South

39. Five senior citizens are living in a multi-storeyed building. Mr. Muan lives in a flat above Mr. Ashokan, Mr. Lokesh in a flat below Mr. Gaurav, Mr. Ashokan lives in a flat below Mr. Gaurav and Mr. Rakesh lives in a flat below Mr. Lokesh. Who lives in the topmost flat?

    (a) Mr. Lokesh   (b) Mr. Ashokan

    (c) Mr. Muan   (d) Mr. Rakesh

Directions (Q. No. 40):

Study the following information carefully to answer the given questions.

Eight persons P to W are sitting in front of one another in two rows. Each row has four persons. P is between U and V and facing North. Q, who is to the immediate left of S is facing W. R is between T and S and W is to the immediate right of V.

40. In which of the following pairs, persons are sitting in front of each other?

    (a) SV   (b) RV   (c) TV   (d) UR

41. Four girls A, B, C, D are sitting around a circle facing the centre.

B and C infront of each other, which of the following is definitely true?

(a) A and D infront of each other

(b) A is not between B and C

(c) D is left of C

(d) A is left of C

42. A, B, C, D and E are sitting on a bench. A is sitting next to B, C is sitting next to D, D is not sitting with E who is on the left end of the bench. C is on the second position from the right. A is to the right of B and E. A and C are sitting together. In which position A is sitting?

(a) Between B and D

(b) Between B and C

(C) Between E and D

(d) Between C and E

43. A is the son of B while B and C are sisters to one another. E is the mother of C. If D is the son of E, which of the following statements is correct?

(a) D is the maternal uncle of A

(b) E is the brother of B

(c) D is the cousin of A

(d) B and D are brothers

44. Based on the statements given below, find out who is the uncle of P?

(i) K is the bother of J;

(ii) M is the sister of K;

(iii) P is the brother of N;

(iv) N is the daughter of J

(a) K

(b) J

(c) N

(d) M

45. A and B are the young ones of C. If C is the mother of B but A is not the daughter of C, then what is the relationship between C and A?

(a) Nephew and Aunty

(b) Brother and Sister

(c) Mother and son

(d) Niece and Aunty

46. Nicky, who is Ronald's daughter, says to Irene. "Your mother Rita is the youngest sister of my father, who is the third child of Sylvester." How is Sylvester related to Irene?

(a) Maternal Uncle

(b) Father

(c) Grandfather

(d) Father-in-law

47. If RAMAN is written as 12325 and DINESH as 675489 how HAMAM is written?

(a) 92323

(b) 92233

(c) 93233

(d) 93292

48. In a certain code, ROAD is written as URDG. How is SWAN written in that code?

(a) VXDQ

(b) VZDQ

(c) VZCP

(d) UXDQ

49. If ROSE is written as TQUG, how BISCUIT can be written in that code?

(a) DKUEWKV

(b) CJTDVJU

(c) DKVEWKV

(d) DKUEWKY

50. If E = 5, PEN = 35, then PAGE = ?

(a) 27

(b) 28

(c) 29

(d) 36