

1. Five boys are standing in a line. One of the two boys at extreme end is X and the other is Y. K is to the right of R. P is to the left of the Y. What is the position of K from the left?
2. Baban, Lata, Manik, Niraj, Pankaj, and Ram are in a row. Pankaj and Ram are in the center, Baban and Lata are at the ends. Manik is sitting to the left of Baban. Who is to the right of Lata?

Directions for questions 3 and 4: Five girls are sitting to be photographed. Seema is to the left of Ritu and to the right of Bina. Mona is to the right of Ritu. Elina is between Ritu and Mona.

3. Who is sitting immediate right to Elina?
4. Who is second from the right?
5. Ishant is 14th from the left and Suraj is 10th from the right in a row of boys. If they interchange their positions, Ishant becomes 25th from the left. How many boys are standing in a row?

Directions for questions 6 to 10: Nine persons Arun, Bunty, Chintu, Dolly, Eknath, Fatima, Ganesh, Harshad and Isha are sitting in a row and all are facing north. It is known that Chintu sits exactly in the middle and there is no person to the right of Isha. Dolly is fourth to the right of Fatima. Ganesh and Harshad are sitting next to each other. Eknath is the neighbor of Dolly but not of Chintu. Harshad doesn't sit at any extreme corner. Dolly is not sitting adjacent to either Chintu or Isha. Arun is second to the right of Harshad.

6. Who is sitting to the immediate left of Chintu?
7. Who is sitting between Bunty and Eknath?
8. How many persons sit between Fatima and Dolly?
9. Who is sitting third to the right of Harshad?
10. Who is sitting at the left most seat of the row?

Directions for questions 11 to 15: Laxman, Mohan, Nisha, Oliver, Priya, Kunal, Rucha and Sunil are sitting around a circular table facing the center but not necessarily in the same order. Nisha is an immediate neighbor of both Laxman and Rucha, who is an immediate neighbor of Priya. Priya sits second to the left of Nisha. Only two persons sit between Priya and Sunil. Mohan is an immediate neighbor of Oliver. Only one person sits between Mohan and Kunal.

11. What is the position of Oliver with respect to Sunil in the above arrangement?
12. Who sits opposite to Kunal?
13. Who sits second to the left of the one who is on the immediate right of Oliver?
14. Who sits between Mohan and Kunal?
15. Who sits third to right of the one who sits opposite of Nisha?

Directions for questions 16 to 20: There are eight persons - M, N, O, P, Q, R, S and T. All of them are sitting in a straight row and are facing in the South direction but not necessarily in the same order. There are only two persons between R and P. The number of persons between Q and M is same as the number of persons between P and S. O is not a neighbor of S who is immediate left of N. Q is second to

the left of R who is fourth from the right corner. M sits at any corner of the row. T sits immediate right of Q.

16. How many persons are seated to the left of S?
17. Who sits between S and T?
18. Who is/are immediate neighbor(s) of Q?
19. Who sits second to the left of the person who sits third from the right end?
20. Who sits sixth from M?

Directions for questions 21 to 25: A, B, C, D, E, F and G are members of a sports club and have liking for different games, viz Carrom, Table Tennis, Badminton, Bridge, Hockey, Football and Lawn Tennis but not necessarily in the same order. Each one of them has a liking for different musical instruments, viz Sitar, Guitar, Harmonium, Flute, Tabla, Banjo and Santoor, not necessarily in the same order. B likes Carrom and Banjo. E likes to play Bridge but not Harmonium or Tabla. The one who plays Hockey plays Sitar. F plays Guitar but not Table Tennis or Lawn Tennis. A plays badminton and Flute. The one who plays Lawn Tennis does not play Tabla. C plays Harmonium and G plays Hockey.

21. Which game is played by D?
22. Who plays Santoor?
23. Which of the following pairing is correct?
(A) Lawn Tennis - D (B) Guitar- B (C) Sitar - E (D) Badminton - A
24. Who plays football?
25. Who plays Lawn Tennis?

Directions for questions 26 to 30: P, Q, R, S, T, W and Z are seven students studying in three different institutes - A, B and C. There are three girls among the seven students who study in each of the three institutes. Two of the seven students study BCA, two study medicine and one each studies Aviation Technology, Journalism and MBA. R studies in the same institute as P, who studies MBA in institute B. No girl studies Journalism or MBA. T studies BCA in institute A and his brother W studies Aviation Technology in institute C. S studies Journalism in the same institute as Q. Neither R nor Z studies BCA. The girl who studies BCA does not study in institute C.

26. In which institute does Q study?
27. How many students study in institute B?
28. How many girls study Medicine?
29. What is the field of study of S?
30. Name two boys which study in same institute.
31. There are some students standing in a row. If Kaushik and Akash interchange their positions, Akash's position is 19th from right. If Kaushik and Radha interchange their positions, Kaushik becomes 15th from right and 35th from left. If Akash and Radha interchange their positions, Radha becomes 10th from left. How many students are standing in the row?

32. Six persons are sitting in a circle facing the center. Anna is facing Bunny, who is to the right of Ema and left of Cherry. Cherry is to the left of Dolly. Fred is to the right of Anna. Who will be sitting to the right of Dolly?

33. P, Q, R, S, T, U, V and W were sitting round the circle and are facing the center in the following manner. P is second to the right of T who is the neighbor of R and V. S is not the neighbor of P. V is the neighbor of U. Q is not between S and W. W is not between U and S. Who are neighbors of Q?

Directions for questions 34 and 35: Mangal, Rohit, Ankush and Varun each owned a distinct bike among Avenger, Unicorn, FZS and Java not necessary in the same order. The four went on a road trip on their respective bikes and while returning they decided to exchange their bikes such that no one rode his own bike. After the exchange, Mangal was riding Unicorn. The person who owns Avenger was riding FZS whereas the FZS owner was riding JAVA. Rohit was riding Ankush's bike and Ankush was riding Mangal's bike.

34. Who owns Unicorn?

35. Who was riding Varun's bike after the exchange?

DIRECTIONS for questions 36 to 40: There are seven teachers P, Q, R, S, T, U and V in a college. Each one of them teaches a different subject except Q who teaches no subject. The subjects are Geography, Drawing, Music, Statistics, History and Science. There are three female and four male teachers, and out of these, there are two couples. R who teaches Geography is married to the teacher who teaches Music. T and V are female teachers who teach History and Drawing respectively. P teaches Statistics, and his wife does not teach Drawing. U and S are male teachers. U is unmarried.

36. Which subject does 'U' teach?

37. Which subject does 'S' teach?

38. Which are two pairs of couples?

39. Which subject does P's wife teach?

40. Who are the females?

Directions for questions 41 to 45: An amusement park roller coaster includes five cars, numbered 1 through 5 from front to back. Each car accommodates up to two riders, seated side by side. Six people-T, G, L, M, P and J-are riding the coaster at the same time. L is sharing a car. M is not sharing a car and is seated immediately behind an empty car. T is not sharing a car with either G or P. G is riding in either the third or fourth car.

41. Which of the following groups of riders could occupy the second car?
(A) L only (B) T and G (C) L and M (D) J and T

42. If is riding immediately behind L's car and immediately ahead of T's car, all of the following must be true EXCEPT -
(A) G is riding in the fourth car. (B) P is riding in the third car.
(C) T is riding in the fifth car. (D) L is riding in the third car.

43. Which one of the following statements CANNOT be true?
(A) Neither T nor G is sharing a car with another rider.
(B) Neither M nor J is sharing a car with another rider

- (C) T is sharing a car, and J is sharing a car.
(D) G is sharing a car, and P is sharing a car.

44. If P is riding in the second car, how many different combinations of riders are possible for the third car?
(A) one (B) two (C) three (D) four
45. Assume that a seventh rider is riding with J in the first car, but that all other rules remain unchanged. Which of the following is a complete and accurate list of the riders who might be riding in the fifth car?
(A) M (B) G, P (C) T, L, P (D) T, L, M

Directions for questions 46 to 50: In a game, exactly six inverted cups stand side by side in a straight line and each has exactly one ball hidden under it. The cups are numbered consecutively 1 through 6. Each of the balls is painted a single solid color green, magenta, orange, purple, red and yellow but not in that order. The balls have been hidden under the cups in a manner that conforms to the following conditions: The purple ball must be hidden under a lower-numbered cup than the orange ball. The red ball must be hidden under a cup immediately adjacent to the cup under which the magenta ball is hidden. The green ball must be hidden under cup 5.

46. Which of the following could be the colors of the balls under the cups, in order from 1 through 6?
(A) Green, yellow, magenta, red, purple, orange
(B) Magenta, red, purple, yellow, green, orange
(C) Magenta, green, purple, red, orange, yellow
(D) Orange, yellow, red, magenta, green, purple
47. If the magenta ball is under cup 4, the red ball must be under cup?
(A) 1 (B) 2 (C) 3 (D) 5
48. A ball of which of the following colors could be under cup 6?
(A) Green (B) Magenta (C) Purple (D) Yellow
49. Which of the following must be true?
(A) The green ball is under a lower-numbered cup than the yellow ball.
(B) The orange ball is under a lower-numbered cup than the green ball.
(C) The purple ball is under a lower-numbered cup than the red ball.
(D) The purple ball is under a lower-numbered cup than the green ball.
50. If the orange ball is under cup 2, balls of which of the following colors could be under cups immediately adjacent to each other?
(A) Green and magenta (B) Green and purple
(C) Orange and yellow (D) Purple and red

DIRECTIONS for questions 51 and 55: Seven instructors - J, K, L, M, N, P and Q - teach management courses at a premier institute in east India. Each instructor teaches during exactly one term: the first term, the second term, or the third term. The following conditions apply:
K teaches during the third term. L and M teach during the same term. Q teaches during either the first term or the second term. Exactly twice as many instructors teach during the third term as teach during the first term. N and Q teach during different terms. J and P teach during different terms.

51. Which one of the following cannot be true?
(A) L teaches during the first term. (B) M teaches during the second term.
(C) M teaches during the third term. (D) N teaches during the second term.

52. If exactly one instructor teaches during the second term, which one of the following must be true?
(A) J teaches during the third term. (B) L teaches during the first term.
(C) M teaches during the third term. (D) P teaches during the second term.
53. Each of the following contains a list of instructors who can all teach during the same term EXCEPT:
(A) J, K, M (B) J, L, M (C) K, L, P (D) K, P, Q
54. If more instructors teach during the second term than teach during the first term, then which one of the following instructors must teach during the second term?
(A) J (B) M (C) N (D) P
55. Which one of the following could be an accurate matching of instructors to terms?
(A) M: the first term; P: the second term; Q: the first term
(B) J: the third term; L: the third term; P: the third term
(C) L: the first term; N: the second term; P: the third term
(D) J: the first term; M: the third term; N: the second term

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