

Seating Arrangement

Seating arrangement is the arrangement of people/objects logically. This concept involves the arrangement of people in many possible ways. Seating Arrangement is a common category of Logical Reasoning that is asked in competitive exams.

In these types of questions, you will have to arrange a group of persons satisfying certain conditions. The questions on this topic can be asked in any sequence (linear arrangement, circular arrangement). By applying the logical analysis, we can perform the logical arrangement to answer the questions or decode.

Rules for Seating Arrangement Questions

Seating Arrangement Questions can be a linear arrangement or circular arrangement. In circular seating arrangement, we arrange people around a circle while in linear seating arrangement, we arrange people in a line. Some detail regarding the objects/person and how they are seated is given, one should arrange either in a Linear or circular as mentioned. Here, we will discuss the rules:

1. Identifying the right and left in a given seating arrangement
2. If it is not mentioned in the question we cannot assume left an immediate left.
3. Always start the arrangement with complete fixed details.
4. In the case of a circular arrangement, if nothing is mention regarding the direction they are facing then by default take it as facing Centre.

Types of Seating Arrangement Questions

The questions on Seating arrangement are the most common types of questions asked in reasoning in all entrance exams. There are different types of problems with the concept of seating arrangement as follows.

1. Linear Arrangement
2. Square/Rectangular Arrangement
3. Circular Arrangement
4. Triangular arrangement
5. Hexagonal arrangement
6. Pentagon arrangement.
7. Combination of the above.

How to Solve Seating Arrangement Reasoning Questions – Know all Tips and Seating Arrangement Tricks

Candidates can find various tips and seating arrangement tricks below for solving any type of seating arrangement question in your competitive exams.

Tip # 1: A triangle has 3 corners and three sides, so three persons can sit at these corners and they are facing either the center or the direction opposite to the center.

Tip # 2: If A is three people away from B is given then $3 - 1 = 2$ people will sit between them.

Tip # 3: Candidates need to keep the following points in mind while solving the seating arrangement based questions.

1. When A is second to the left of B: A – B
2. When A is second to right of B: B – A
3. When A is 2 places away from B: A/B – – B/A
4. When A is two places to the right of B or B is two places to the left of A: B – A
5. When there are 2 people between A and B: A – – B

Following are some questions on seating arrangement as follows.

Example1 :

B, L, M, N, P, and Q are in a row. P and Q are in the center, B and L are at the ends. M is sitting to the left of B. Who is to the right of L?

Solution –

The seating arrangement is as follows.

L–N–P–Q–M–B

Therefore, the right of L is N.

Example2 :

Five boys are sitting to be photographed. S is to the left of R and to the right of B. M is to the right of R. E is between R and M.

1. Who is sitting immediate right to E?

Answer- M

2. Who is second from the right?

Answer- E

Solution –

The seating arrangement is as follows.

B–S–R–E–M

Example3 :

Five girls are standing in a line. One of the two girls at extreme end is P and the other is B. A is to the right of S. C is to the left of the B. What is the position of A from the left?

Solution –

The seating arrangement is as follows.

P–S–A–C–B

EXERCISE

Directions for Questions 1 to 5: Read the given information carefully and answer the questions that follow.

Eleven friends M, N, O, P, Q, R, S, T, U, V and W are sitting in the first row of the stadium watching a cricket match.

- i. T is to the immediate left of P and third to the right of U.
- ii. V is the immediate neighbour of M and N and third to the left of S.
- iii. M is the second to the right of Q, who is at one of the ends.
- iv. R is sitting next to the right of P and P is second to the right of O.

1. Who is sitting in the center of the row?

- A. N
- B. O
- C. S
- D. U

2. Which of the following people are sitting to the right of S?

- A. OTPQ
- B. OTPR
- C. UNVM
- D. UOTPR

3. Which of the following statements is true with respect to the above arrangement?

- A. There are three persons sitting between P and S
- B. W is between M and V

C. N is sitting between V and U

D. S and O are neighbours sitting to the immediate right of T

4. Who are the immediate neighbours of T?

A. O, P

B. O, R

C. N, U

D. V, U

5. If Q and P, O and N, M and T, and W and R interchange their positions then which of the following pairs of friends is sitting at the ends?

A. P and Q

B. Q and R

C. P and W

D. W and R

Answer Key

1. D

2. B

3. C

4. A

5. C

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