

Seating Arrangement Questions Overview

Seating Arrangement Questions have a good weightage in the Banking Exam and the type of question asked in Banking exam is similar to the question mentioned below. It has been solved and explained by Gargi.ai Experts and they have tried to elaborate the concept used in Seating Arrangement Questions.

Seating Arrangement Questions

Direction: Read the given information carefully and answer the following questions. Ten people L, M, N, O, P, Q, R, S, T, and U sit in the linear row. Some of them face north while some of them face south. Not more than two adjacent persons facing in the same direction. The persons are sitting at the ends facing the opposite direction. Some sitting arrangements are coded as below: A@1B means A sits immediate left of B A1@B means A sits immediate right of B A@2B means A sits second to the left of B A2@B means A sits second to the right of B A@3B means A sits third to the left of B A3@B means A sits third to the right of B A@4B means A sits fourth to the left of B A4@B means A sits fourth to the right of B A% means A faces north A# means A faces south M faces south and sits at one of the ends and sits fourth to the right of U. Only one person sits between U and T who sits to the left of U. P is not a neighbor of U. Q faces the same as M. N and S face the same direction. T%3@P, S@3L, O1%M, L4@P@2R, Q@2O

Question

How many people face south?

Difficulty : Moderate

Average Time : 94 Seconds

Options :

1. 4
2. 5
3. 6
4. 3
5. 2

Solution

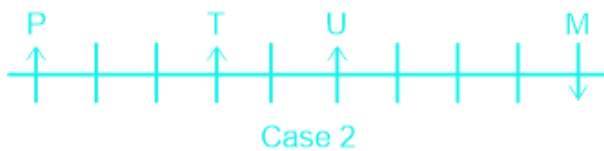
The correct answer is **Option 2** i.e. 5

1. M faces south and sits at one of the ends and sits fourth to the right of U.

Here, we have two cases i.e. Case 1 and Case 2.

2. Only one person sits between U and T who sits to the left of U.

3. **T%3@P** means T faces north and sits third to the right of P and P is not a neighbor of U.



Now, we can eliminate Case 1. (Because P and M face the same directions and the persons are sitting at the ends facing the opposite direction.)

4. **L4@P@2R**: L sits fourth to the right of P who sits second to the left of R. (i.e. L and the person who sits between P and R face south because not more than two persons face the same direction.)

5. **S@3L** means S sits third to the left of L.

6. **O1@M** means O sits immediate right of M.

7. **Q@2O** means Q sits second to the left of O and faces the same as M. (i.e. O faces north and Q faces south)

(So, the remaining person N sits between P and R.)

8. N and S face the same direction. (i.e. S also faces south)



This is our final arrangement.

Clearly, 5 people face south.

Hence, the correct answer is "5".