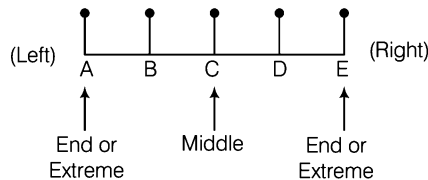


# Sitting Arrangement

- Sitting arrangement is a sequential arrangement of objects/persons on the basis of predefined conditions.
- In this chapter, we deal with the questions based on sitting arrangement of persons or objects. In this type of questions, some conditions are given, on the basis of which candidates are required to arrange objects/persons, either in a row or in a circular order.
- Based on the various patterns of sitting arrangement, they can be divided into the following types

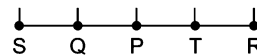
## Linear Arrangement

In linear arrangement, persons/objects are required to be placed in a proper order in a straight line.



- Example 1** There are five houses P, Q, R, S and T. P is right of Q and T is left of R and right of P. Q is right of S. Which house in the middle?
- (a) P                                      (b) Q  
(c) T                                      (d) R

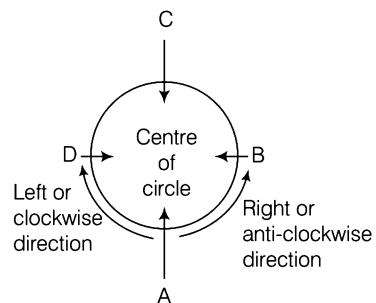
**Sol.** (a) According to the question, the houses can be arranged



Clearly, the house P is in the middle of all the houses.

## Circular Arrangement

In circular arrangement, persons/objects are required to be arranged around a circle facing towards the centre on the basis of information provided.

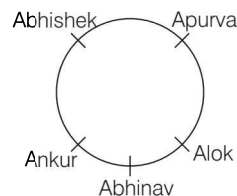


- Suppose A, B, C and D are four persons facing towards the centre, then their right and left sides are shown by the arrows in the above diagram. B is on the right side of A and D is on the left side of A.

**Example 2** Five students are standing in a circle. Apurva is on the left of Abhishek. Alok is on the left of Apurva. Abhinav is between Alok and Ankur. Who is sitting next to Abhinav on his right?

- (a) Apurva (b) Ankur  
(c) Abhishek (d) Alok

**Sol.** (d) We arrange the five students in a circle based on the information given in the question.



Clearly, Alok is sitting next to Abhinav on his right.

## Practice Exercise

- 5 Friends are sitting on a bench. A is to the left of B but on the right of C. D is to the right of B but on the left of E. Who are at the extremes?  
(a) A, B (b) A, D  
(c) B, D (d) C, E
- In a college party, 5 girls are sitting in a row. P is to the left of M and to the right of O. R is sitting to the right of N but to the left of O. Who is sitting in the middle?  
(a) O (b) R (c) P (d) M
- Five boys A, B, C, D and E are standing in a row. D is on the right of E. B is on the left of E but on the right of A. D is on the left of C. Who is standing on the extreme right?  
(a) B (b) C (c) D (d) E
- Five boys A, B, C, D and E are sitting in a row. A is to the right of B and E is to the left of B but to the right of C. A is to the left of D. Who is second from the left end?  
(a) D (b) A (c) E (d) B
- Five boys  $A_1, A_2, A_3, A_4$  and  $A_5$  are sitting on a stair in the following way  
I.  $A_5$  is above  $A_1$ .  
II.  $A_4$  is under  $A_2$   
III.  $A_2$  is under  $A_1$ .  
IV.  $A_4$  is between  $A_2$  and  $A_3$   
Who is at the lowest position of the stair?  
(a)  $A_1$  (b)  $A_3$  (c)  $A_5$  (d)  $A_2$
- Five persons are sitting in a circle facing the centre of the circle. Pramod is sitting to the right of Ranjan. Raju is sitting between Brejesh and Naveen. Raju is to the left of Brejesh and Ranjan is to right of Brejesh. Who is sitting to the left of Naveen?  
(a) Pramod (b) Raju  
(c) Brejesh (d) Rajan
- Six persons are sitting in a circle facing the centre of the circle. Parikh is between Babita and Narendra. Asha is between Chitra and Pankaj. Chitra is to the immediate left of Babita. Who is to the immediate right of Babita?  
(a) Parikh (b) Pankaj  
(c) Narendra (d) Chitra
- Four girls A, B, C and D are sitting around a circle facing the centre. B and C are in front of each other, which of the following is definitely true?  
(a) A and D are in front of each other  
(b) A is not between B and C  
(c) D is to the left of C  
(d) A is to the left of C

**Directions** (Q. Nos. 9-12) Read the following information carefully to answer the questions that follow.

Six persons are sitting in a circle. A is facing B. B is to the right of E and left of C. C is to the left of D. F is to the right of A.

9. Who will be sitting to the left of D?  
 (a) B (b) D (c) E (d) C
10. Who will be sitting to the left of C?  
 (a) E (b) F (c) A (d) B
11. Who will be sitting opposite to E?  
 (a) E (b) F (c) D (d) B
12. Who will be sitting opposite to C?  
 (a) C (b) F (c) B (d) A

## Answers

1	(d)	2	(a)	3	(b)	4	(c)	5	(b)	6	(a)	7	(a)	8	(a)	9	(d)	10	(d)
11	(c)	12	(b)																

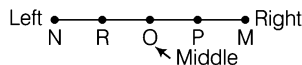
## Hints & Solutions

1. (d) Arrangement according to the question is as follows



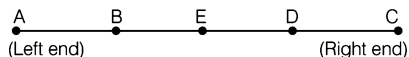
Clearly, C and E are at the extremes.

2. (a) Arrangement according to the question is as follows



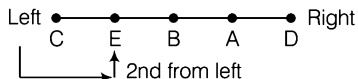
Clearly, O is sitting in the middle.

3. (b) The sequence of boys in the row is as follows



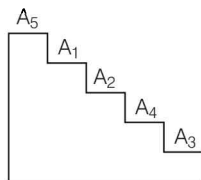
Clearly, C is standing on the extreme right.

4. (c) Arrangement according to the question is as follows



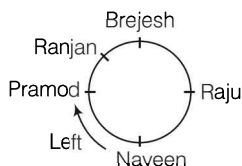
Clearly, E is second from the left end.

5. (b) Arrangement according to the question,



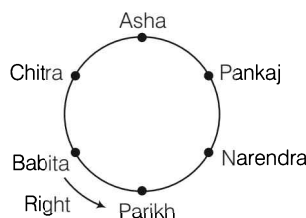
Clearly, A<sub>3</sub> is at the lowest position.

6. (a) Following sitting arrangement is formed from the given information



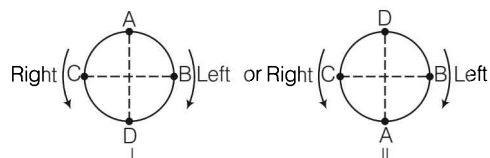
Clearly, Pramod is to the left of Naveen.

7. (a) Following sitting arrangement is formed from the given information



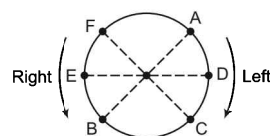
Clearly, Parikh is to the immediate right of Babita.

8. (a) There are two possible arrangements of the four girls around the circle, as follows.



Clearly, A and D are in front of each other in both the arrangements.

**Sol.** (Q. Nos. 9-12) According to the question, the arrangement is as follows



9. (d) Clearly, C is sitting to the left of D.  
 10. (d) Clearly, B is sitting to the left of C.  
 11. (c) Clearly, D is sitting opposite to E.  
 12. (b) Clearly F is sitting opposite to C.