



# Sitting Arrangement

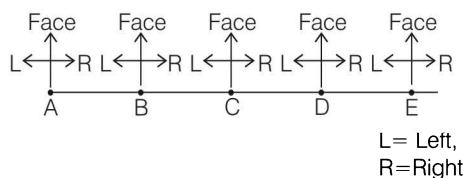
Sitting arrangement is a sequential arrangement of objects/persons on the basis of predefined conditions.

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 this, candidates are required to arrange the objects/persons, either in a row or in a circular order. While making arrangements, it should be noted that all the conditions given are complied with.

*There are two types of questions, which are generally asked*

## 1. Arrangement in Linear Pattern

Here, we deal with questions, where a proper arrangement is required to be done in a linear format along a straight line.

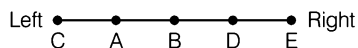


☑ When it is not given in the question that in which direction the persons are facing, then we assume them facing the North direction.

**Example 1** 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

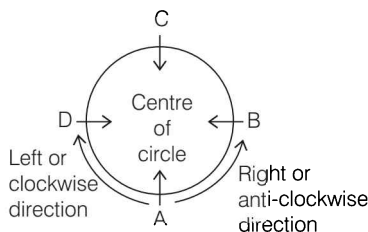
**Sol.** (d) Arrangement according to the question, the arrangement is as follows



Clearly, C and E are at the extremes.

## 2. Circular Arrangement

In circular arrangement, persons/objects are arranged around a circle as shown in below figure.

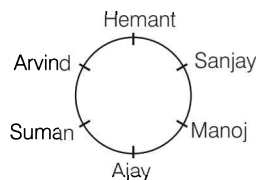


Suppose A, B, C and D are four persons facing towards the centre, then their right and left sides are shown by the arrows in the above diagram. B is on the right side of A and D is on the left side of A.

**Example 2** Six persons are sitting around a circular table. Ajay is facing Hemant who is sitting to the left of Arvind and right of Sanjay. Suman is to the right of Arvind. Manoj is facing Arvind. Who is now sitting to the right of Manoj?

- (a) Arvind
- (b) Ajay
- (c) Suman
- (d) Sanjay

**Sol.**(d) Following sitting arrangement is formed from the given information,



Clearly, Sanjay is sitting to the right of Manoj.

## Practice Exercise

- 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
- Five friends P, Q, R, S and T are sitting in a row facing North. Here, S is between T and Q and Q is to the immediate left of R. P is to the immediate left of T. Who is in the middle?  
(a) S      (b) T      (c) Q      (d) R
- In a gathering seven members are sitting in a row. 'C' is sitting left to 'B' but on the right to 'D'. 'A' is sitting right to 'B'. 'F' is sitting right to 'E' but left to 'D'. 'H' is sitting left to 'E'. Find the person sitting in the middle.  
(a) C      (b) D      (c) E      (d) F
- A, B, C, D, E and F are sitting in a row. 'E' and 'F' are in the centre and E is to the left of F. 'A' and 'B' are at the ends and A is at extreme right end. 'C' is sitting on the left of 'A'. Then, who is sitting on the immediate right of 'B'?  
(a) A      (b) D  
(c) E      (d) F
- Five girls are sitting in a row. Kalpita is to the left of Mridula. Megha is to the right of Arpana. Sangeeta is in the middle of Megha and Kalpita. Who among the following is to the extreme right of the row?  
(a) Mridula  
(b) Arpana  
(c) Kalpita  
(d) Cannot be determined
- Five senior citizens are living in a multistoried building. Mr Muan lives in a flat above Mr Ashokan, Mr Lokesh lives in a flat below Mr Gaurav, Mr Ashokan lives in a flat above Mr Gaurav and Mr Rakesh lives in a flat below Mr Lokesh. Who lives in the topmost flat?  
(a) Mr Lokesh      (b) Mr Gaurav  
(c) Mr Muan      (d) Mr Rakesh
- Five persons are sitting facing centre of a 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
- 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. 9-11)** Read the following information carefully to answer the questions that follow.

Six girls are sitting in a circle. Sonia is sitting opposite to Radhika. Poonam is sitting right of Radhika but left of Deepti. Monika is sitting left of Radhika. Kamini is sitting right of Sonia and left of Monika.

9. Who will be opposite to Sonia?  
 (a) Radhika  
 (b) Monika  
 (c) Kamini  
 (d) Sonia
10. Who will be sitting left of Kamini?  
 (a) Poonam  
 (b) Deepti  
 (c) Radhika  
 (d) Sonia
11. Who will be sitting left of Deepti?  
 (a) Sonia  
 (b) Monika  
 (c) Radhika  
 (d) Poonam

**Directions (Q. Nos. 12-15)** Read the information carefully and answer the questions based on it.

Six persons are sitting in a circle. A is facing to 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.

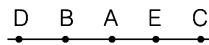
12. Who will be sitting to the left of D?  
 (a) B (b) F (c) C (d) A
13. Who will be sitting to the left of C?  
 (a) E (b) C (c) A (d) B
14. Who will be sitting opposite to E?  
 (a) A (b) F (c) D (d) B
15. Who will be sitting opposite to C?  
 (a) F (b) E (c) B (d) A

## Answers

1	(a)	2	(a)	3	(b)	4	(b)	5	(a)	6	(c)	7	(a)	8	(a)	9	(a)	10	(d)
11	(d)	12	(c)	13	(d)	14	(c)	15	(a)										

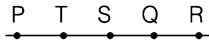
## Hints & Solutions

1. Data is arranged as shown below



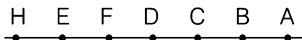
So, the house in the middle is A.

2. According to the question, sitting arrangement of all the five friends is as follows



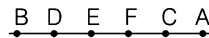
Hence, S is the middle.

3. According to the question, arranging the seven members in a row,



Hence, D is sitting in the middle.

4. According to the question, sitting arrangement is as follows



Clearly, D is sitting on the right of B.

5. According to the question, sitting arrangement of all the five girls is as follows,



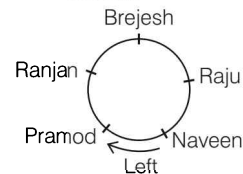
Hence, Mridula is sitting to the extreme right of the row.

6. Sequence of flat is given as,

Mr Muan  
 Mr Ashokan  
 Mr Gaurav  
 Mr Lokesh  
 Mr Rakesh

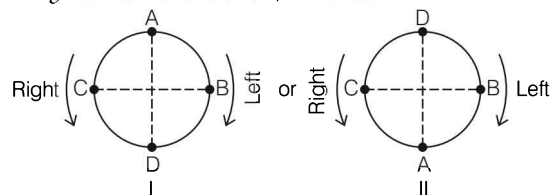
So, Mr Muan lives in the topmost flat.

7. Following sitting arrangement is formed from the given information



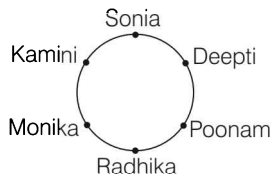
Clearly, Pramod is to the left of Naveen.

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



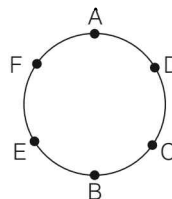
Clearly, A and D are in front of each other in both the arrangements.

**Sol.** (Q.Nos. 9-11) *On the basis of given information, sitting arrangement is as shown below*



9. Radhika is opposite to Sonia.
10. Sonia is sitting left of Kamini.
11. Poonam is sitting left of Deepti.

**Sol.** (Q. Nos. 12-15) *On the basis of given information, sitting arrangement of all the persons is as follows*



12. It is clear from the figure that, C is to the left of D.
13. B is sitting to the left of C.
14. D is sitting opposite to E.
15. F is sitting opposite to C.



## Try Yourself

- 1) 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, C is on the right of D and standing on the extreme right end. Who is standing in the middle?  
(a) B (b) C (c) D (d) E
- 2) Six friends A, B, C, D, E and F are sitting in a row facing North. 'C' is between 'A' and 'E'. 'B' is just to the right of 'E' but left of 'D'. 'F' is not at the right end. How many persons are to the right of 'E'?  
(a) 1 (b) 2 (c) 3 (d) 4
- 3) There are five books A, B, C, D and E. Book C lies above D. Book E is below A, D is above A and B is below E. Which book is at the bottom?  
(a) E (b) B (c) A (d) C

**Directions** (Q. Nos. 4-6) *Read the following information carefully to answer the questions that follow.*

Six persons are sitting in a circle. P is facing Q. Q is to the right of T and left of R. R is to the left of S. U is to the right of P.

- 4) Who will be sitting to the left of S?  
(a) Q (b) R (c) T (d) P

- 5) Who will be sitting to the left of R?  
(a) T (b) U (c) P (d) Q
- 6) Who will be sitting opposite to R?  
(a) U (b) P (c) Q (d) S

**Directions** (Q. Nos. 7-10) *These questions are based on the information given below.*

Six friends are playing a card game facing at the centre. Subodh is to the right of Prabodh. There is one person between Uma and Sudha. Prabir is between Subodh and Uma and second to the left of Alok.

- 7) Who is to the right of Sudha?  
(a) Prabir (b) Subodh (c) Alok (d) Uma
- 8) Who is opposite to Subodh?  
(a) Uma (b) Alok (c) Sudha (d) Prabir
- 9) Who is to the right of Uma?  
(a) Prabir (b) Prabodh (c) Alok (d) Subodh
- 10) Who is to the left of Prabodh?  
(a) Subodh (b) Sudha  
(c) Uma (d) Alok

## Answers

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