

CHAPTER 12

Sitting Arrangement

Sitting arrangement refers to, how a group of persons or objects allocated their positions in a particular manner.

In these questions, a group of persons or objects with some predefined conditions is given, on the basis of these conditions candidates are required to arrange persons objects in an order as given in the question.

Based on the order of sitting, questions can be divided into following types.

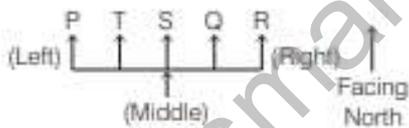
1. Linear Arrangement- In linear arrangement, person/objects are required to be placed in proper order in a straight line.

One is required to identify the exact position of the objects and their positions with respect to one another based on the information given.

Example 1: 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

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



∴ S is in the middle of the row.

Directions (Ex. Nos. 2-4) Consider the following information and answer questions based on it. Seven students J, K, L, M, N, O and P are standing in a row, in random order, from left to right, such that

1. P, O, K and N do not stand on any of the extreme ends.
2. J is to the immediate left of P and immediate right of O.
3. M is not at the center.
4. K is to the immediate right of N and immediate left of L.

Example 2: The student standing to the immediate left of O is

- (a) L (b) J (c) M (d) P

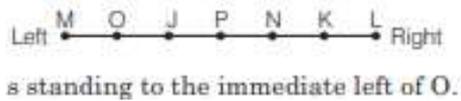
Example 3: Who is at the center of the row?

- (a) N (b) J (c) P (d) K

Example 4: Who stands fifth from the left of the row?

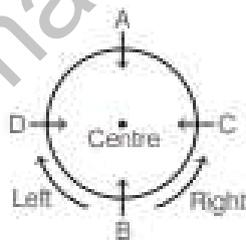
- (a) K (b) P (c) N (d) J

Sol. (Example Nos. 2-4) According to the question,



2. (c) M is standing to the immediate left of O.
3. (c) P is at the center of the row.
4. (c) N is standing fifth from the left end of the row.

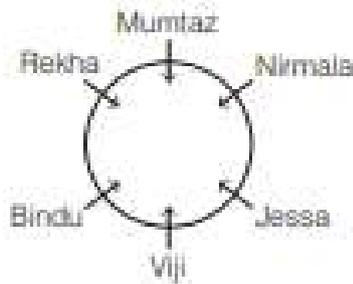
2. Circular Arrangement- In this type of arrangement, objects/persons are placed around a circle facing the center.



Example 5: Six girls are sitting in a circle facing towards the center. Bindu is to the left of Viji. Rekha is in between Bindu and Mumtaz. Jessa is in between Viji and Nirmala. Who is to the left of Mumtaz?

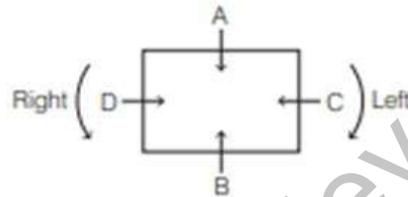
- (a) Rekha (b) Nirmala (c) Viji (d) Bindu

Sol. (b) According to the question,



Hence, Nirmala is to the left of Mumtaz

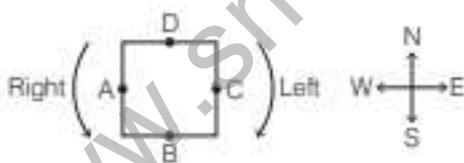
3. Square/Rectangular Arrangement- In this type of arrangement, four objects/persons are placed around a square or a rectangular shaped table facing the center.



Example 6: A, B, C and D are playing cards. A and C, and B and D are partners. D is to the right of C. The face of C is towards West. Find the direction that D is facing.

- (a) West (b) East (c) South (d) North

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



Clearly, D is facing South

Practice Questions

1. Five friends are sitting in a row facing South. Here, Mohan is between Balu and Raju and Raju is to the immediate right of Praveen and Amith is to the right of Balu.

Who is in extreme right end?

- (a) Amith (b) Balu (c) Praveen (d) Mohan

2. Five students Priyanka, Mary, Sunil, Asha and Ryan are standing in a line. Priyanka and Sunil are standing ahead of Ryan. Sunil is standing between Ryan and Asha. Between Sunil and Mary, Ryan is standing. **Who is the first in the line?**

- (a) Asha (b) Sunil (c) Ryan (d) Priyanka

3. Five different coloured buses are standing in a row facing South. Black coloured bus is standing in the immediate right of Red. Green colour is between Blue and Yellow. Yellow colour is between Black and Green. **Which coloured bus is standing in the middle?**

- (a) Yellow (b) Blue (c) Black (d) Green

4. Six friends A, B, C, D, E and F are sitting in a row facing East. 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. **Who is at the right end?**

- (a) D (b) B (c) E (d) C

5. 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

6. A, B, C, D, E and F are sitting in a row. E and F are in the centre and A and B are at the ends. C is sitting on the left of A. **Then, who is sitting on the right of B?**

- (a) A (b) D (c) E (d) F

7. Five boys are sitting in a row. A is on the right of B, E is on the left of B, but to the right of C. If A is on the left of D. **Who is sitting in the middle?**

- (a) E (b) B (c) A (d) C

Directions (Q. Nos. 8-10) Read the following information and answer the following questions. Five girls are sitting in front, facing you. Ruhi and Manali respectively are sitting to the right and left of Urja. Dhvani is sitting between Manali and Tanya.

8. How many girls are there between Dhvani and Ruhi ?

- (a) 1 (b) 2 (c) 3 (d) 4

9. Who is sitting in the middle ?

- (a) Dhwani (b) Urja (c) Manali (d) Tanya

10. Who is sitting to the right of Tanya?

- (a) Ruhi (b) Manali (c) Dhwani (d) Urja

Directions (Q. Nos. 11-13) Use the following passage for the questions based on it.

There are six flats on a floor in two rows. Out of these, three are North facing and the other three are South facing flats. The flats are to be allotted amongst Arun, Biswajyot, Chitra, Derek, Evan and Fatima. Biswajyot gets a North facing flat and is not next to Derek. Derek and Fatima get diagonally opposite flats. Chitra is next to Fatima and gets a South facing flat. Evan gets a North facing flat.

11. Except Derek and Fatima, which other pair is diagonally opposite to each other?

- (a) Arun and Biswajyot
(b) Arun and Chitra
(c) Evan and Derek
(d) Evan and Chitra

12. Which of the following pairs is exactly opposite to each other?

- (a) Derek and Evan (b) Fatima and Chitra (c) Evan and Chitra (d) Evan and Arun

13. Which of the following combination gets South facing flats?

- (a) Arun, Chitra, and Fatima
(b) Chitra, Biswajyot and Derek
(c) Evan, Arun and Fatima
(d) Derek, Arun and Biswajyot

14. 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

15. 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

16. 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) None of these

17. A, B, C, D, E, F and G are playing cards sitting in a circle.

- (i) F is 2nd to the right of G.
(ii) B is neighbour of F but not of E.
(iii) E, the neighbour of C, is 4th to the right of G.
(iv) D is between E and A.

Who is fourth to the left of G?

- (a) D (b) E (c) C (d) Cannot be determined

18. Four persons M, N, O and P are playing cards. M is on the right of N and P is on left of O.
Then which of the following are partners?

- (a) P and O (b) M and P (c) M and N (d) N and P

Directions (Q. Nos. 19-21) Read the following passage and answer the questions based on it.

- (i) Vinay, Vinod, Vikas, Vasu, Vaibhav, Varun and Vishal are sitting around a circle facing at the centre.
(ii) Vasu is the third to the right of Vikas.
(iii) Varun is second to the left of Vinay and second to the right of Vishal.
(iv) Vaibhav is third to the right of Vinod and is not an immediate neighbour of Varun.

19. Who is second to the right of Vinod?

- (a) Vaibhav (b) Vasu (c) Vishal (d) Vikas

20. Who is third to the left of Varun?

- (a) Vaibhav (b) Vasu (c) Vishal (d) Vikas

21. Who is to the immediate right of Vikas?

- (a) Vinay (b) Vishal (c) Vaibhav (d) Varun

22. Radha, Sheela, Mahima and Seeta are sitting along a rectangular table. Radha is to the right of Sheela. Mahima is to the left of Seeta.

Which of the persons given in the options are sitting opposite to each other?

- (a) Sheela-Seeta (b) Radha-Seeta (c) Radha-Sheela (d) Mahima-Radha

Directions (Q. Nos. 23-25) Consider the following information and answer the questions based on it. Six animals - Horse, Cow, Pig, Dog, Donkey and Goat are tied to a pole each, in a circle, facing each other, in random order.

1. Goat is to the immediate right of Pig.

2. Cow is not tied next to either Donkey or Dog.

3. If the animals mark the vertices of a hexagon, then the Horse is diagonally opposite to the Pig.

23. The Cow is tied to the immediate left of

- (a) Goat (b) Pig (c) Horse (d) Dog

24. Which pair is tied next to each other?

- (a) Horse and Goat (b) Pig and Cow (c) Goat and Dog (d) Donkey and Dog

25. Which animal is tied to the immediate left of Pig?

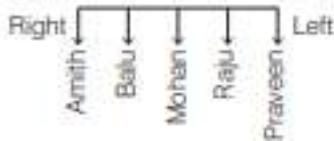
- (a) Goat (b) Donkey (c) Dog (d) Cannot be determined

ANSWERS

1.	(a)	2.	(d)	3.	(a)	4.	(a)	5.	(a)	6.	(b)	7.	(b)	8.	(b)	9.	(c)	10.	(c)
11.	(a)	12.	(c)	13.	(a)	14.	(a)	15.	(a)	16.	(d)	17.	(c)	18.	(a)	19.	(d)	20.	(a)
21.	(c)	22.	(b)	23.	(c)	24.	(d)	25.	(d)										

Hints & Solutions:

1. (a) According to the question, sitting arrangement will be



Thus, Amith is at extreme right end.

2. (d) According to the question,

Priyanka

Asha

Sunil

Ryan

Mary

Hence, Priyanka, is the first in the line.

3. (a) According to the question, we have following standing arrangement of buses



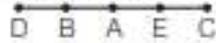
Hence, yellow coloured bus is standing in the middle.

4. (a) According to the question, we have the following sitting arrangement.



∴ D is at the extreme right.

5. (a) According to the question, the arrangement is as follows,



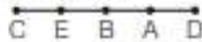
Hence, House A is in the middle.

6. (b) According to the question, the arrangement is as follows,



Hence, D is on the right of B.

7. (b) According to the question, the arrangement is as follows,



Hence, B is in the middle.

Sol. (Q. Nos. 8-10) According to the question,

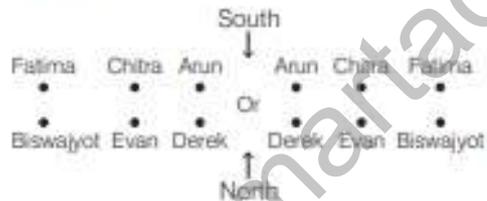


8. (b) Two girls are sitting between Dhvani and Ruhi.

9. (c) Manali is sitting in the middle.

10. (c) Dhvani is sitting to the right of Tanya.

Sol. (Q. Nos. 11-13) According to the question,

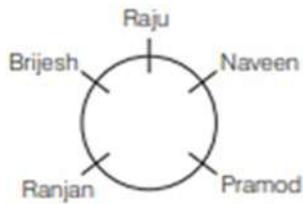


11. (a) Except Derek and Fatima, Arun and Biswajyot are diagonally opposite to each other.

12. (c) Evan and Chitra are exactly opposite to each other.

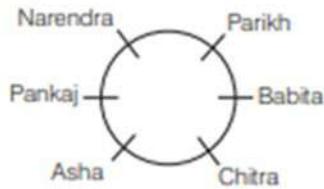
13. (a) Arun, Chitra and Fatima get South facing flats.

14. (a) According to the question

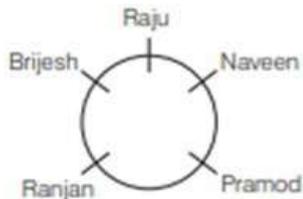


Hence, Pramod is sitting on the left of Naveen.

15. (a) According to the question, the arrangement is as follows,

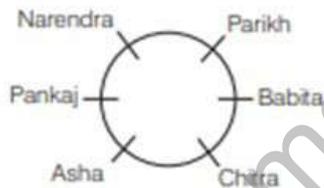


Hence, Parikh is to the right of Babita.



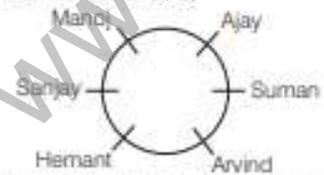
Hence, Pramod is sitting on the left of Naveen.

15. (a) According to the question, the arrangement is as follows,



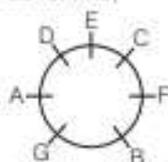
Hence, Parikh is to the right of Babita.

16. (d) According to the question, the arrangement is as follows,



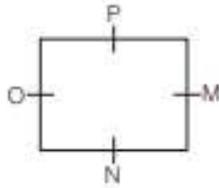
Hence, Sanjay is on the right of Manoj.

17. (c) According to the question, the arrangement is as follows,



Hence, C is fourth to the left of G.

18. (d) According to the question, the arrangement is as follows,



Clearly, N and P are partners.

Sol. (Q. Nos. 19-21) According to the question,

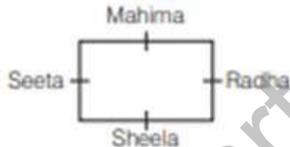


19. (d) Vikas is second to the right of Vinod.

20. (a) Vaibhav is third to the left of Varun.

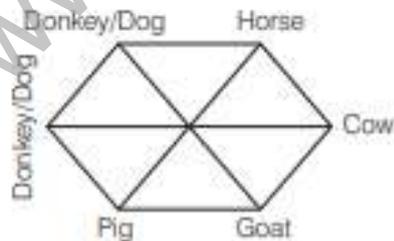
21. (c) Vaibhav is to the immediate right of Vikas.

22. (b) According to the question, the arrangement is as follows



Clearly, Radha and Seeta are sitting opposite to each other.

Sol. (Q. Nos. 23-25) According to the question,



23. (c) Cow is tied to the immediate left of Horse.

24. (d) Donkey and Dog are tied next to each other.

25. (d) Either Dog or Donkey is tied to the immediate left of Pig.