

SATISH CHANDRA MEMORIAL SCHOOL

CLASS-XI

SUBJECT-MATHEMATICS

CHAPTER-SEATING ARRANGEMENT

1. **Nine persons A, B, C, D, E, F, G, H, I are watching a movie in a theatre sitting in a row. B is at one end of the row. H is seated adjacent to both F and G. C is to the immediate right of D and at the third place to the right of E. A is immediate left of F. F is at the third place to the left of B.**
 - i) Who is at the right end of the row?
 - ii) What is the position of F with respect to D?
 - iii) Who is at the left end of the row?
 - iv) Who is seating in the middle of the row?

2. **K, L, M, N, O, P and Q are sitting on a circular dining table for dinner. They are all facing towards the centre. Q is not between P and M. O is neighbour of K and N. L is second to the left of Q. P is to the immediate right of K.**
 - i) Which of the following are sitting next to each other:
(a) LK, (b) ML, (c) NO, (d) QN.
 - ii) Which of the given below pairs have the second person sitting at the immediate right to the first one?
(a) KL, (b) ML, (c) OK, (d) None of these.
 - iii) Where is P sitting?
(a) Second to the left of M , (b) Second to the right of M, (c) Immediate left of K, (d) Immediate right of L.
 - iv) Which of the following group represents neighbours of L?
(a) K and P, (b) M and N, (c) P and M, (d) None of these.

3. **Eleven friends A, B, C, D, E, F, G, H, I, J and K are sitting in the first row of the stadium watching a football match.**

H is to the immediate left of D and third to the right of I.

J is the immediate neighbour of A and B and third to the left of G.

A is the second to the right of E, who is at one of the ends.

F is sitting next to the right of D and D is second to the right of C.

Q.1. Who is sitting in the centre of the row?

(a) B, (b) C, (c) G, (d) I.

Q.2. which of the following statements is true with respect to the above arrangement?

(a) There are three persons sitting between D and G, (b) W is between A and J, (c) B is sitting between J and I, (d) G and C are neighbours sitting to the immediate right of H.

Q.3. Who are the immediate neighbours of T?

(a) C,D (b) C,F (c) B,I (d) J,I.

Q.4. 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) D and E, (b) E and F, (c) D and K, (d) K and F.

4. **L, M, N, O and P are sitting on a bench. L is sitting next to M, N is sitting next to O and O is not sitting with P who is on the left end of the bench. N is on the second position from the right. L is to the right of M and O. L and N are sitting together.**

Q.1. In which position L is sitting?

(a) Between M and O, (b) Between P and O, (c) Between M and N, (d) Between N and P.

Q.2. Who is sitting in the middle of the bench?

Q.3. Who is sitting on the right end of the bench?

Q.4. How many persons are sitting in between L and P?

5. P, Q, R, S, T, U, V, & W, eight friends, are seated in a circle facing the middle. V is third to the right of Q & second to the left of R. Q is second to the left of T & immediate right of S. U is between Q & T. P is not at the left of R.

I) Who is second to right of T?

(a) R, (b) P, (c) W, (d) V.

II) In which of the following pairs first person sits exactly at right of second persons?

(a) UT, (b) WR, (c) WT, (d) VT.

III) Who is exactly at the left of S?

(a) Q, (b) P, (c) U, (d) V.