**LINEAR ARRANGEMENT**

1. If the position of Rajan is 15th from one end and 13th from the other end in his class, what is the total number of students in his class?

(a) 28 (b) 24

(c) 27 (d) 29

(e) None of these

1. The position of Shyamal is 13th from the last. If there are 21 students in all in his class, what is his position from the beginning?

(a) 8th (b) 9th

(c) 7th (d) 10th

(e) None of these

1. In the class of 40 students, if Sanju is at 30th place from one end, what is his position from the other end?

(a) 9th (b) 12th

(c) 10th  (d) 11th

(e) None of these

1. In a row of girls, Nivedita is 15th from the left and Vimla is 23rd from the right. If they interchange their positions, then Nivedita becomes 18 th from the left. Then at what position will Vimla be from the right?

(a) 25th (b) 24th

(c) 26th (d) 20th (e) None of these

1. A number of people are standing in a row in which Kailash is 20th from the left and Hemant is 25th from the right. If they interchange their positions then Kailash becomes 25th from the right. How many people are there in the row?

(a) 49 (b) 44

(c) 45 (d) Data inadequate (e) None of these

**Directions for (Q.6-10):-**A training college has to conduct a refresher course for teachers of seven different subject-Mechanics, Psychology, Philosophy, Sociology, Economics, Science and Engineering from 22nd July to 29th July.

1. Course should start with Psychology.
2. 23rd July, being Sunday, Should be a holiday.
3. Science subject should be on the previous day of the Engineering subject.
4. Course should end with mechanics subject.
5. Philosophy should be immediately after holiday.
6. There should be a gap of one day between Economics and engineering.
7. There should be a gap of two days between sociology and Economics.
8. The refresher course will start with which one of the following subjects?

(a) Psychology (b) Mechanics

(c) Philosophy (d) Economics

(e) Cannot be determined

1. Which subject will be on Tuesday?

(a) Mechanics (b) Engineering

(c) Economics (d) Psychology

(e) None of these

1. Which subject is followed by science?

(a) Psychology (b) Philosophy

(c) Economics (d) Engineering

(e) Cannot be determined

1. Which subject precedes Mechanics?

(a) Economics (b) Engineering

(c) Philosophy (d) Psychology (e) None of these

1. How many days' gap is there between science and philosophy?

(a) One (b) Two

(c) Three (d) No gap (e) None of these

**Directions for (Q.11-12):-**A group of seven singers, facing the audience, are standing in a line on the stage as follows:

1. D is to the right of C
2. F is standing beside G
3. B is to the immediate left of F
4. E is to the left of A
5. C and B have one person between them
6. A and D have one person between them
7. Who is on the extreme right?

(a) D (b) F

(c) G (d) E (e) None of these

1. If we start counting from the left, on which number is C?

(a) 1st (b) 2nd

(c) 3rd (d) 5th (e) None of these

**Directions for (Q.13-16):-Refer to the data provided and answer the questions that follow.**

A shopkeeper placed the seven models of refrigerators of different companies viz., Coolfridge, Allin, Kwickwaitor, MG, Pearlpool, Coolcon and KLP in a row such that,

(i) Coolfridge is to the immediate left of KLP.

(ii) KLP is fourth to the left of Kwickwaitor.

(iii) MG refrigerator is between Allin and Coolcon.

(iv) Kwickwaitor, which is third to the right of Allin is at one of the ends.

1. Which was the correct position of Pearpool if Kwickwaitor is the first?

(a)5 (b)4

(c)6 (d)7

1. Which one of the following is definitely true?

(a) KLP is between Allin and Kwickwaitor.

(b) Coolfridge is to the immediate right of Pearlpool.

(c) KLP is to the immediate left of MG.

(d) MG is the fourth, to the left of Pearlpool.

1. Which of the following is between KLP and Pearlpool?

(a) Allin (b)MG

(c)Coolfridge (d) Coolcon

1. Which of the following group of refrigerators is to the left of Allin refrigerator?

(a) Coolfridge, MG, KLP

(b) MG, Coolcon, Kwickwaitor

(c) Pearlpool, Coolfridge, KLP

(d) Coolfridge, Coolcon, KLP

**Directions for (Q.17-21):-**Refer to the data provided and answer the questions that follow.

7 person Avaneesh, Bhupati, Nandana, Devavrata, Kriti, Gajanana and Haridra are sitting in a row. Some are facing north and some are facing south. Not more than 2 persons sitting together face same direction. Avaneesh sits exactly in the middle of the row. Only 2 persons sit between Nandana and Devavrata. Nandana sits second to the left of Avaneesh. Only 1 person sits between Bhupati and Devavrata. Both the immediate neighbors of Nandana face south. Kriti sits to the immediate right of Devavrata. Haridra sits second to the right of Gajanana. Bhupati faces opposite direction to that of Nandana.

1. How many persons are facing north?

(a) 4 (b) 2

(c) 3 (d) More than 4

1. How many persons are sitting between Nandana and Devavrata?

(a) None (b) 1

(c) 2 (d) 3

1. Which of the following does not belong to the group?

(a) Avaneesh (b) Bhupati

(c) Kriti (d)Gajanana

1. Who among the following sits second to the right of Bhupati?

(a) Avaneesh (b) Bhupati

(c) Devavrata (d) Haridra

1. Which of the following statement(s) is/are definitely true?

(a) Gajanana faces north

(b) Bhupati sits to the right of Gajanana

(c) Only 2 persons sit between Avaneesh and Nandana

(d) Devavrata sits to the immediate right of Kriti

**Directions for (Q.22-26):-** Study the following information to answer the given questions

Twelve people are sitting in two parallel rows containing six people each, in such a way that there is an equal distance between adjacent person in row -2 P,Q,R,S,T and V are seated and all of them are facing north. In row 1, A,B,C,D,E and F are seated and all of them are facing south. Therefore, in the given seating arrangement each member seated in a row faces another member of the other row. A sits third to the right of D. Neither A nor D sits at extreme ends. V is not an immediate neighbor of T. B sits at one of the extreme ends. Only two people sit between B and E. E does not face V. Two persons sits between R and Q. R is not an immediate neighbor of T. C does not face V. P is not an immediate neighbor of R.

1. Who amongst the following sit at extreme ends of the rows?  
   (a) B,E (b) S,T

(c) P,R (d) B,F

1. Who amongst the following faces A?

(a) R (b) T

(c)P (d) S

1. How many persons are seated between T and S?

(a) One (b) Two

(c) Three (d) Four

1. Pis related to V in the same way as C is related to F. To which of the following is E related following the same pattern? (a) B (b) D

(c)C (d) A

1. Which of the following is true regarding F?

(a) F sits second to the right of C

(b) F is not an immediate neighbour of A

(c) F sits third to the left of B

(d) F faces V

**DIRECTIONS (Qs. 27 to 30):** Read the following information and then answer the questions below:

Ten students A,B,C,D,E,F,G,H,I and J are sitting in a row facing West.

i. B and Fare not sitting on either of the edges.

ii. G is sitting to the left of D and H is sitting to the right of J.

iii. There are four persons between E and A.

iv. I is to the North of B and F is to the South of D.

v. J is in between A and D and G is in between E and F.

vi. There are two persons between H and C.

1. Who is sitting at the seventh place counting from the left?

(a) H (b)

(c) J (d) Either H or C 28.

1. Who among the following is definitely sitting at one of the ends?

(a) C (b) H

(c) E (d) cannot be determined

1. Who are the immediate neighbours of I?

(a) B and C (b) B and H

(c) B and A (d) Can not be determined

1. Who is sitting second left of D?

(a) G (b) F

(c) E (d) J

**Directions for (Q.31-34):-** Study the following information to answer the given questions:

Seven persons K, L, M, N, O, P and Q live in a seven-storey building, but not necessarily in the same order. The ground floor is numbered 1 and the topmost floor is numbered 7. Each of them has a different phone viz, LG, Oppo, HTC, ZTE, MI and Apple and Sony but not necessarily in the same order. The person who has HTC phone lives on third floor, Only one person lives between M and the one who has HTC phone. The one who has a MI phone lives immediately above M. Only one person lives between the person who has a MI phone and the one who has a Oppo phone. The number of persons living between M and the person who has a Oppo phone is the same as that between the one who has a MI phone and P. L lives on an odd-numbered floor. Only two persons live between 0 and the one who has a Sony phone. The person who has a ZTE phone lives on a floor below O but not on floor number two. Only two persons live between K and Q. The one who has a LG phone lives immediately below K. L has a Sony phone.

1. How many persons live between Q and L?

(a) One (b) Two

(c) Three (d) None (e) More than three

1. Who among the following has a HTC phone?

(a) N (b) 0

(c) P (d) L (e) Q

1. Who among the following live(s) between N and the one who has a Oppo phone?

(a) Only Q (b) 0,P

(c) P,Q (d) Only 0 (e) None of these.

1. Which of the following statements is/are true?

(a) Only two persons live between M and N.

(b) O has a Sony phone.

(c) L live on the topmost floor.

(d) M has an Apple phone.

(e) Other than the given options.