

LINEAR ARRANGEMENT

Directions: Study the following information and answer the questions given below it.

A, B, C, D, E, F, G and H are eight employees of an organization working in three departments viz. Personnel, Administration and Marketing with not more than three of them in any department. Each of them has different choice of sports from Football, Cricket, Volleyball, Badminton, Lawn Tennis, Basketball, Hockey and Table Tennis not necessarily in the same order.

D works in Administration and does not like either football or cricket. F works in Personnel with only A who likes table tennis. E and H do not work in the same department as D. C likes hockey and does not work in Marketing. G does not work in Administration and does not like either cricket or badminton. One of those who work in Administration likes football. The one who likes volleyball works in Personnel. None of those who work in Administration likes either badminton or lawn tennis. H does not like cricket.

1. Which of the following groups of employees work in Administration department?
 - A. EGH
 - B. AF
 - C. BCD
 - D. BGD
2. In which department does E work?
 - A. Personnel
 - B. Marketing
 - C. Administration
 - D. Data inadequate
3. Which of the following combinations of employee –departmentfavourite sport is correct?
 - A. E- Administration –Cricket
 - B. F-Personnel-Lawn Tennis
 - C. H-Marketing-Lawn Tennis
 - D. None of these
4. What is E's favourite sport ?
 - A. Cricket
 - B. Badminton

- C. Basketball
- D. Lawn Tennis

5. What is G's favourite sport ?

- A. Cricket
- B. Badminton
- C. Basketball
- D. Lawn Tennis

Directions: Read the following information carefully and answer the questions as follows.

Four persons participated with their cars in a car race. The colour and brand of each of the cars is different. Those colours are White, Black, Red and Brown and the brands are - Benz, Hyundai, Maruti and Toyota. The persons mentioned got four Prizes I, II, III and IV where I Prize is for the best performance in the race.

(i) The colour of Modi's car is not Red.

(ii) Toyota, which is not white, got either first position or the last position in the Car race.

(iii) Amit's car got one position ahead of Modi's but one position below the black Car.

(iv) Arvind's car was positioned just above Maruti, but was just below the white car.

(v) Arvind's car is not Hyundai. Maruti, who is the friend of Arvind, was also one of the participants in the race.

6. Whose car won the first Prize?

- A. Maruti
- B. Arvind
- C. Modi
- D. Amit

7. Who owns Maruti?

- A. Maruti
- B. Arvind
- C. Amit
- D. Modi

8. Which of the following depicts the colour of Modi's car?

- A. White

- B. Black
- C. Red
- D. Brown

9. Which of the following cars won the Second Prize?

- A. Hyundai
- B. Toyota
- C. Benz
- D. Maruti

10. Which of the following statements is true?

- A. Hyundai is owned by Amit.
- B. The colour of Arvind's car is Brown.
- C. Toyota is owned by Arvind.
- D. The colour of Maruti's car is White

Directions: Study the following information carefully and answer the questions given beside.

Ten kids are sitting on twelve seats in two parallel rows containing five people each, in such a way that there is an equal distance between adjacent persons. In row 1, Golu, Shalu, Chotu, Guddu and Tanu are sitting and all of them are facing south, and in row 2, Chunnu, Munnu, Raju, Bhanu and Pinky are sitting and all of them are facing north. One seat is vacant in each row. Therefore, in the given seating arrangement each member seated in a row faces another member of the other row. All of them like a different cartoon i.e. Doramon, Chota bheem, Shaktiman, Pokemon, Ben 10, Tom & Jerry, Oggy, Noddy, Sinchan and Hatori.

Bhanu sits third to the right of Raju and likes Pokemon.

Only two people sit between Munnu and Vacant seat.

Munnu does not like Ben 10 and Shaktiman.

Tanu is not an immediate neighbour of Chotu.

Shalu likes Hatori. The one who likes Shaktiman faces the one who likes Noddy.

The one who likes Shaktiman sits opposite to the one, who sits third to the right of the one, who sits opposite to Bhanu.

Chotu is not an immediate neighbour of Guddu.

Pinky, who likes neither Ben 10 nor Tom & Jerry, does not face vacant seat.

Neither Bhanu nor Raju sits at an extreme ends. Guddu faces Raju.

Vacant seats are not opposite to each other.

Two seats are there between Chotu and Shalu, who sits third to the right of the one, who likes Oggy.

The one who likes Sinchan faces the one, who likes Pokemon.

The person who likes Doramon and Noddy are adjacent to each other.

Vacant seat of row-1 is not an immediate neighbour of Guddu.

Munnu sits at one of the extreme ends.

Shalu does not like Doramon and Noddy.

Vacant seat of row-1 does not face Bhanu also does not sit at any of the extreme ends.

11. Who sits second to the right of the one, who faces vacant seat of Row-2?

- A. Bhanu
- B. Shalu
- C. Pinky
- D. Tanu

12. Which of the following cartoons does Pinky like?

- A. Hatori
- B. Chota bheem
- C. Shaktiman
- D. Noddy

13. Tanu is related to vacant seat of row-1 in the same way as Chunnu is related to pinky. So, following the same pattern vacant seat of row-2 is related to which of the following?

- A. Munnu
- B. Guddu
- C. Raju
- D. None of these

14. Who sits diagonally opposite to the one, who likes Tom & Jerry?

- A. Chotu
- B. Shalu
- C. Pinky
- D. Tanu

15. Which of the following is true regarding Chunnu?

- A. Chunnu sits second to right of Pinky.
- B. Chunnu is not an immediate neighbour of Bhanu.
- C. Chunnu faces vacant seat of row-1.
- D. Chunnu sits at one of the extreme ends of the line.

Directions: Read the given information carefully and answer the questions given beside:

The Mishra family went to the photographer for their family photograph. The photographer arranged them in a straight row facing the North. The family members were Anshu, Rama, Krishna, Deva and Sonu.

Anshu was sitting third to the right of his daughter

Rama was sitting on the immediate right of Krishna, whose husband was the brother of Rama.

Anshu and Sonu were immediate neighbours.

Deva was not an immediate neighbour of Anshu's son.

Deva was sitting at the left end and the mother of Deva is Krishna, who was the wife of Anshu.

Rama and Anshu were immediate neighbours.

16. How is Deva related to the person who sits in the middle of the row?

- A. Brother
- B. Sister
- C. Daughter
- D. None of these

17. How is Anshu related to the person who sits second to the left of Sonu?

- A. Mother
- B. Father
- C. Brother
- D. Sister

18. If the positions of Rama and Sonu are interchanged, then who among the following sits on the immediate left of Sonu's father?

- A. Krishna
- B. Deva

- C. Rama
- D. Sonu

19. How is Krishna related to Rama?

- A. Daughter
- B. Sister in law
- C. Sister
- D. Wife

20. What is the position of son of Krishna with respect to father of Deva?

- A. Immediate left
- B. Second to the left
- C. Immediate right
- D. Second to the right

Directions: Read the given information carefully and answer the questions given beside:

Eight students A, B, C, D, E, F, G and H of class 5th are sitting in a row for getting a photograph clicked. They all are having a card in their pocket with a different number viz. 3, 5, 7, 14, 11, 15, 18 and 20 written on it not necessarily in the same order.

F is sitting third to the right of B, who is having card on which the written no. is half of the no. written on H's card who is sitting second to the left of F. One who is having card on which 5th multiple no. of that number which is written on a card of another student is sitting fifth from the left end of the row. G is immediate neighbour of F. Person having smallest prime no. card is sitting second to the left of one whose card no. if subtracted from the card no. of his immediate right neighbour who is C, the resultant will be equal to the card no. of D. A is having card on which second lowest no. is written and is sitting to the immediate right of one having card on which second highest no. is written. A is second to the right of F and is not sitting at any of the extreme end.

21. Four of the following five are alike in a certain way and thus forms a group. Find the one which does not belong to that group?

- A. G
- B. B
- C. C
- D. A

22. What is the no. written on the card of E?

- A. 5
- B. 15

C. 20

D. 3

23. Find the product of card no. of G and the person who is sitting to the immediate left of B?

A. 100

B. 45

C. 210

D. 54

24. Find the difference between the card number of E and card no. of C?

A. 9

B. 13

C. 4

D. 7

25. Who is sitting to the immediate left of A?

A. D

B. G

C. F

D. B

Directions: Read the given information carefully and answer the questions given beside:

In a society meeting eight persons – P, Q, R, S, T, U, V and W were seated in a straight line facing the north. They have different house numbers – 15, 28, 30, 40, 45, 65, 80 and 90 not necessarily in the same order. It is further known that:

Difference between T and P's house number is equal to the difference between Q and U's house number.

Not more than 3 persons have house number less than Q.

Not more than 2 persons have house number more than P.

T's house number was twice of V.

Q is seated to the immediate right of the person whose house number was 65.

P is seated to the immediate right of T who is 3rd to the left of one whose house number was 45.

Three persons seated to the right of V had house numbers less than him.

House numbers of R and Q together was equal to house number of V.

One whose house number was 28 was seated to the immediate left of the one whose house number was 40.

Q and U were seated at a gap of 1 person.

S and U were not seated together.

26. Who among the following was seated at the extreme left end of the row?

- A. P
- B. Q
- C. R
- D. None of these

27. Which of the following numbers can be multiplied with 3 to obtain the house no. of Q?

- A. 30
- B. 15
- C. 10
- D. 5

28. Who among the following has house number equal to the average of the house numbers of T and U?

- A. V
- B. S
- C. Q
- D. W

29. Who among the following has house number equal to the average of the house numbers of R and V?

- A. P
- B. U
- C. W
- D. Q

30. How many persons were seated between Q and S?

- A. None
- B. One
- C. Two
- D. Three

Directions: Study the following information carefully and answer the questions given beside:

Seven persons – Mani, Basu, Shiv, Teer, Jadu, Pari and Ramu, were sitting in a straight line, facing towards north. These persons were born in different years – 1975, 1982, 1986, 1989, 1991, 1996 and 1999, but not necessarily in same order. These persons were born in different cities – Mandi, Jaipur, Agra, Ajmer, Noida, Jhansi and Pune, but not necessarily in same order.

Person who was born in 1986 in Ajmer was sitting on the extreme right end of the row.

Jadu was born in 1999 and was born in Pune.

Two persons were born between the persons who were born in Noida and Agra.

Basu, who was born in Jhansi, was sitting on the left of the person born in Jaipur.

Pari, who was born after Teer, was sitting on the left of Teer, who was born in Mandi.

At most three persons were sitting on the left of Mani, who was born in a leap year.

Teer wasn't sitting third from the left end of the row.

Three persons were sitting between Mani and Shiv, who was born in 1975.

Pari wasn't born in 1991.

Shiv wasn't born in Noida.

Only 1 person was born between person who was sitting on the immediate left of Shiv and the person who was sitting in the middle of the row.

31. Who among the following was sitting in the middle of the row?

- A. The one born in 1996
- B. The one born in 1982
- C. The one born in 1975
- D. The one born in 1989

32. Which of the following combinations is/are correct?

- A. Mani – 1996 – Noida
- B. Pari – 1989 – Jaipur
- C. Teer – 1999 – Mandi
- D. Shiv – 1975 – Agra

33. How many person(s) were sitting between Jadu and Teer?

- A. None

- B. One
- C. Two
- D. Three

34. Who among the following was sitting on the extreme left end of the row?

- A. Mani
- B. Basu
- C. Jadu
- D. Pari

35. What is the position of the one born on 1982 with respect to Ramu?

- A. Immediate left
- B. Third to the right
- C. Immediate right
- D. Second to the left

Direction: Study the following information to answer the given questions:

Eight people A, B, C, D, E, F, G and H are sitting in two parallel rows containing four people each. B, D, F and H are sitting in row-I facing North and A, C, E and G are sitting in row-2 facing South (but not necessarily in the same order). Thus, each person sitting in row-I faces another person sitting in row-2. Each of the persons lives on different floors of a building .i.e. floor 1 to 8.

B lives on 4th floor and the person who lives on the 1st floor is not the neighbour of G in the row. H sits to the opposite of the person who sits to the immediate right of the person who lives on 2nd floor. The person who lives on 3rd floor sits exactly between D and the person who lives on 8th floor. G lives on even prime numbered floor. C lives neither on 1st floor nor on 5th floor. G sits opposite to F, who lives on the 8th floor. E sits between A and G. D sits at the left end of the row and lives on 6th floor.

36. Which of the following represents the people sitting at extreme ends of both the rows?

- A. A, C and B, D
- B. A, G and D, B
- C. F, D and A, C
- D. A, G and F, D

37. Who amongst the following sits to the immediate left of the person who lives on 2nd floor?

- A. B
- B. C

C. E

D. A

38. Which of the given statements is true with respect to the given arrangement?

A. A sits opposite to H

B. H lives on second floor

C. C sits opposite to B

D. F lives on seventh floor

39. How many people live between C and H?

A. None

B. Two

C. Four

D. Three

40. Who is/are the immediate neighbours of the person who is sitting opposite to H?

A. G,C

B. A,G

C. E,C

D. D,F

Directions: Study the following information carefully and answer the questions given beside.

Eight persons are sitting on two parallel benches namely Bench 1 and Bench 2, each four on a bench. The persons who are sitting on bench 1 facing north and those on bench 2 are facing south such that each person of both the benches faces each other.

Gayu faces Hina, who does not sit at any of the extreme ends. Ela and Bani neither sits in the same row nor faces each other. Hina sits second to the right of Dia. Fiza sits in the same row in which Ela sits. Bani faces the person who is second to the right of Ahana. Caira sits on bench 1.

41. Who among the following faces Ela?

A. Bani

B. Hina

C. Gayu

D. Dia

42. Four of the following five are alike in a certain way and thus form a group. Which of the following does not belong to the group?

A. Hina

- B. Gayu
- C. Fiza
- D. Ela

43. Which of the following pairs consist of persons who sit at the extreme ends?

- A. Ela - Hina
- B. Caira - Gayu
- C. Ela - Caira
- D. Ahana - Bani

44. What is the position of Fiza with respect to Ahana?

- A. Second to the left
- B. Second to the right
- C. Immediate left
- D. Immediate right

45. In which of the following pairs, persons do not face each other?

- A. Bani - Fiza
- B. Caira - Ahana
- C. Dia - Ela
- D. Hina - Ahana

Directions: Study the following information carefully and answer the questions given beside.

A row of persons facing north direction consist of equal number of boys and girls such that boys are sitting at the extreme ends. All the boys except one sit at even positions and all the girls except one sit at odd positions. Extreme left end of the row is positioned as 1 and the place immediate next to it as 2 and so on. There is no one to the left of A who is fourth to the left of J who is immediate left of W.

- P sits at an extreme end and is third to the right of F who is a girl.
- Only three boys are there to the right of U, who is a girl.
- T and O are immediate neighbours and T is to the immediate left of P with T being a girl.
- Only two persons are between W and F.
- H who is not a boy is sitting adjacent to A and X.
- Z is fourth to the right of B who is on immediate right of X.

46. Which of the following girls sit at an even numbered position?

- A. X

- B. J
- C. H
- D. U

47. How many girls sit between X and O?

- A. Four
- B. Three
- C. Six
- D. Five

48. Which of the following is an immediate neighbour of B and W?

- A. U
- B. X
- C. F
- D. J

49. How many boys and girls are there in the row?

- A. 6 boys, 6 girls
- B. 7 boys, 7 girls
- C. 5 boys, 5 girls
- D. 4 boys, 4 girls

50. Four of the following five are alike in a certain way and thus form a group. Which of the following does not belong to the group?

- A. B
- B. W
- C. O
- D. J

Answers:

| Employee | Department | Favourite Sport |
|----------|----------------|-----------------|
| A | Personnel | Table Tennis |
| B | Administration | Football |
| C | Administration | Hockey |
| D | Administration | Basketball |
| E | Marketing | Cricket |
| F | Personnel | Volleyball |
| G | Marketing | Lawn Tennis |
| H | Marketing | Badminton |

1. C

2. B

3. D

4. A

5. D

| Position | Person | Car | Colour |
|----------|--------|---------|--------|
| I | Maruti | Hyundai | White |
| II | Arvind | Benz | Black |
| III | Amit | Maruti | Red |
| IV | Modi | Toyota | Brown |

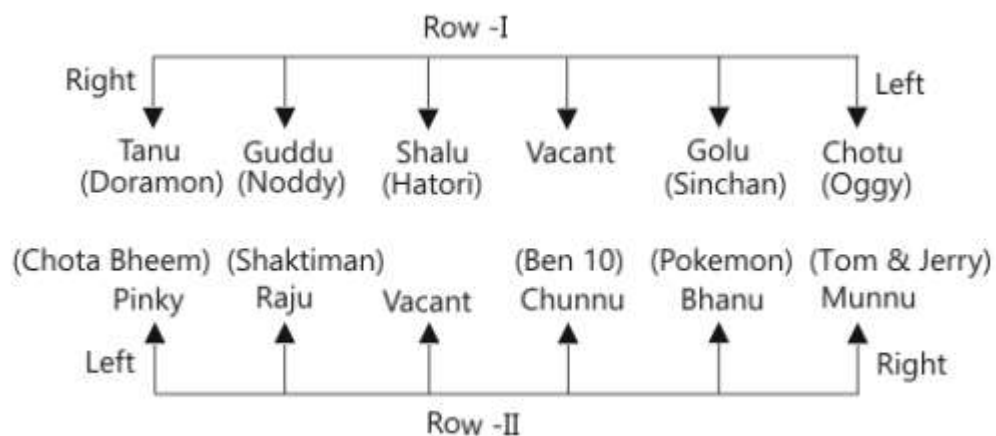
6. A

7. C

8. D

9. C

10. D



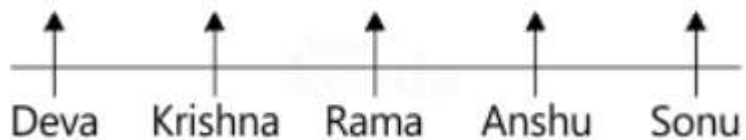
11. D

12. B

13. A

14. D

15. C



16. D

17. C

18. D

19. B

20. C

Final Image

| | | | | | | | |
|---|---|----|----|----|----|---|----|
| 3 | 7 | 14 | 11 | 15 | 18 | 5 | 20 |
| D | B | H | C | F | G | A | E |

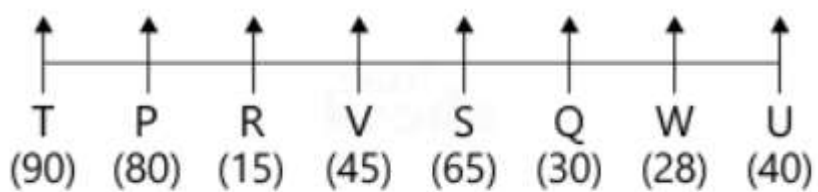
21. A

22. C

23. D

24. A

25. B



26. D

27. C

28. B

29. D

30. A



31. D

32. D

33. B

34. B

35. D

| Floor | Person |
|-------|--------|
| 8 | F |
| 7 | C |
| 6 | D |
| 5 | E |
| 4 | B |
| 3 | H |
| 2 | G |
| 1 | A |

| Row- II | A | E | G | C |
|----------------|---|---|---|---|
| Facing South ↓ | | | | |
| Row- I | D | H | F | B |
| Facing North ↑ | | | | |

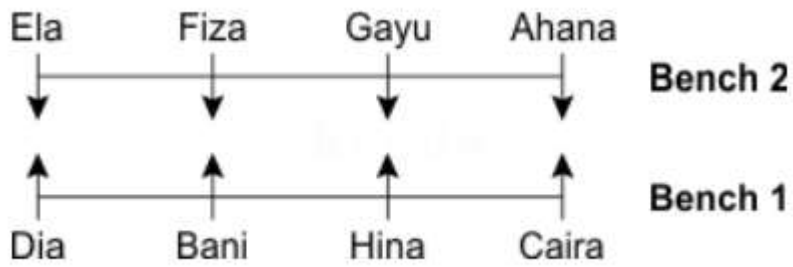
36. A

37. B

38. C

39. D

40. B



41. D

42. A

43. C

44. B

45. D

| | | | | | | | | | | | |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| <u>A</u> | <u>H</u> | <u>X</u> | <u>B</u> | <u>J</u> | <u>W</u> | <u>U</u> | <u>Z</u> | <u>F</u> | <u>O</u> | <u>T</u> | <u>P</u> |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| Boy | Girl | Girl | Boy | Girl | Boy | Girl | Boy | Girl | Boy | Girl | Boy |

46. C

47. B

48. D

49. A

50. D