

1. Direction: Study the information given below and answer the questions based on it.
Seven persons, $P, Q, R, S, T, U$ and $V$ works in different International Organizations- WHO, WTO, OPEC, NASA, ILO, WB and UN not necessarily in the same order. Each person belongs to different countries- US, UK, Canada, Russia, France, Japan and China again not necessarily in the same order. U belongs to US and works neither OPEC nor NASA. The one who works with WHO belongs to UK. P works with WTO and belongs to neither Russia nor France. The one who works with UN belongs to China. Q belongs to Japan and does not work with NASA. The one who works with NASA does not belong to France. S works with ILO. V does not belong to UK and does not work with NASA. T does not work with NASA.
Which of the following is not correct?
A. R-NASA
B. P-WTO
C. Q-ILO
D. T-WHO
E. V-UN

Direction (2-5) : Study the following information carefully and answer the question given below:
Four girls $I, J, K$ and $L$ and four boys $E$, $F, G$ and $H$ are sitting in a single row facing north. Three boys are sitting between two girls and the only boy who is not among those boys is sitting at one of the extreme ends. H is sitting fourth to the left of L. Both J and K are sitting beside a boy. J is not the immediate neighbour of L. J doesn't sit at any of the extreme ends. $G$ is sitting between $H$ and $F$. L doesn't sit at any of the extreme ends. Not more than two girls are sitting together.
Who among the following sit at the extreme ends?
A. I and E
B. J and K
C. $E$ and $F$
D. $G$ and $H$
E. E and K
3. Who sits third to the left of $F$ ?
A. I
B. J
C. K
D. L
E. G
4. Who among the following is sitting between $G$ and $K$ ?
A. E
B. H
C. F
D. I
E. None of these
5. How many girls are sitting to the right of K?
A. 0
B. 2
C. 3
D. 1
E. 4

Direction (6-10): Study the following information carefully and answer the following questions:
Eight people Zaheera, Zabeel, Zanjeer, Zaro, Zalia, Zoly, Zart and Zarim are sitting in a straight line but not necessarily in the same order. Some of them are facing north and some of them are facing south. They are of different professions namely lawyer, doctor, actor, painter, engineer, teacher, tourist guide and swimmer.
Zabeel, who is a swimmer, is sitting second to the left of the actor and he is facing south. The persons sitting at the extreme ends are facing in the opposite directions. Zart is not a neighbor of Zalia. There are three people sitting in between Zalia and the actor, who is facing north.
Zalia sits at one of the extreme ends of the line. The actor and Zanjeer are facing opposite directions. Zaheera, who is a teacher, is sitting third to the right of Zalia. Zart was born in 1988 and eldest of all. There are two people sitting between painter and Zanjeer. Zaro is a doctor and is facing north. Tourist guide is sitting third to the left of the actor. The painter is sitting to the immediate left of the actor. Doctor is sitting to the immediate left of Zanjeer. The immediate neighbors of the actor are facing south. Zarim is a painter. The actor is sitting third to the right of Zart, who is facing north.

6. Who is sitting second to the right of Zart?
A. The person who is third to the right of Zanjeer
B. The person who is a doctor
C. The person who is immediate right of swimmer
D. No one as Zart is sitting at the extreme right end facing north
E. None of these
7. How many people are sitting in between the painter and the one who is seventh from the left end?
A. 2
B. 6
C. 4
D. 3
E. None of these
8. If two new persons sit to the immediate right of the actor, then how many persons are there in between Zabeel and the doctor?
A. 8
B. 7
C. 5
D. 6
E. 4
9. Whose professions cannot be determined from the given data?
A. Zalia, the person who is second to the right of painter
B. Zanjeer and Zoly
C. Zanjeer and the person who is
sitting to the immediate right of doctor.
D. Zalia and Zart
E. None of these
10. Which of these statements is superfluous to determine the sitting arrangement?
A. Zarim is a painter
B. The persons sitting at the extreme ends face opposite directions
C. Zart was born in 1988 and eldest of all
D. The actor and zanjeer are facing opposite directions
E. None of these

Direction (11-15): Study the information carefully and answer the questions given below.
Six friends A, B, C, D, E and F decides to watch different movies from Monday to Saturday of different actors Ranveer

Singh, Shahrukh Khan, Salman Khan, Saif, Hrithik Roshan and Sohail Khan but not necessarily in the same order. They schedule is as per the following conditions:
B schedules to watch movie neither on the first day of the week nor on the last day. He plans to watch movie of Salman Khan. A plans to watch movie on Wednesday but not of Saif. The movie of Shahrukh Khan is run on Tuesday but it is not to be watched by C.E doesn't watch movie before D. Movie of Ranveer Singh is scheduled to run on the next day of Hrithik Roshan's movie but these movies are not to be watched by E. C schedules to watch movie on the next day of $F$.
11. Which day does $D$ plans to watch movie?
A. Tuesday
B. Wednesday
C. Friday
D. Monday
E. None of the above
12. Direction: Study the information carefully and answer the questions given below.
Six friends A, B, C, D, E and F decides to watch different movies from Monday to Saturday of different actors Ranveer Singh, Shahrukh Khan, Salman Khan, Saif, Hrithik Roshan and Sohail Khan but not necessarily in the same order. They schedule is as per the following conditions:
$B$ schedules to watch movie neither on the first day of the week nor on the last day. He plans to watch movie of Salman Khan. A plans to watch movie on Wednesday but not of Saif. The movie of Shahrukh Khan is run on Tuesday but it is not to be watched by C. E doesn't watch movie before D. Movie of Ranveer Singh is scheduled to run on the next day of Hrithik Roshan's movie but these movies are not to be watched by E. C schedules to watch movie on the next day of $F$.


Which actor movie is run on the second last day of the week?
A. Ranveer Singh
B. Hrithik Roshan
C. Saif
D. Sohail Khan
E. None of the above
13. Who are the persons who plan to watch movie on Tuesday and Thursday?
A. B, F
B. C, D
C. $E, B$
D. $E, A$
E. None of the above
14. The person who plans to watch movie on Saturday, watches which actor's movie?
A. Hrithik Roshan
B. Salman Khan
C. Sohail Khan
D. Saif
E. None of the above
15. Which day of the week, does the person who watches Sohail Khan's movie plan to watch?
A. Wednesday
B. Friday
C. Saturday
D. Tuesday
E. Monday

Direction (16-20): Study the following information carefully and answer the questions given below.
There are four pairs of husband and wife among, A, B, C, D, E, F, G and H. All are sitting around a circular table facing the centre. All pairs belong to a different city, viz Lucknow, Ranchi, Patna and Delhi. Each man sits beside his wife. B is the wife of the man who belongs to Lucknow and sits second to the right of A, who belongs to Delhi. G is the wife of the one who belongs to Patna and sits on his right, $F$ and $D$ are male members in the group and one of them does not belong to Patna.C is an immediate neighbour of $B$ and $A$ and is on the immediate right of her husband. E and A are immediate neighbours. $H$ is wife of $E$ and sits third to the right of $F$.
16. $C$ belongs to which of the following cities?
A. Delhi
B. Patna
C. Ranchi
D. Can't be determined
E. None of these
17. Who among the following is sitting second to the right of $B$ ?
A. A
B. F
C. D
D. G
E. None of these
18. Which of the following pairs belongs to Patna?
A. D, G
B. H, E
C. $\mathrm{E}, \mathrm{G}$
D. B, D
E. None of these
19. The person who sits opposite $E$ is the husband of
A. H
B. C
C. D
D. $B$
E. None of these
20. Who among the following is the husband of G ?
A. E
B. F
C. B
D. H
E. None of these

Directions (21-25): Study the following information carefully and answer the questions given below:
Eight persons M, N, O, P, Q, R, S and T live in an eight storey building. Each of them likes a different drink viz, Coffee, Tea, Milk, Pepsi, Appy, Fanta, Limca and Maaza but not necessarily in the same order. The lowermost floor is numbered 1 and the topmost floor is numbered 8. There is only one floor between the one who likes Milk and the one who likes Maaza. There are two floors between the one who likes Tea and O. R lives on an even numbered floor and likes Limca. Neither M nor $N$ like Tea or Appy. The one who likes Pepsi lives on the floor no. 1. There are three floor between the floor on which N lives and the floor on which $Q$ lives. $R$ lives above $O$, who does not live on the first floor but O likes Coffee. Only one person lives between the one who likes Appy and the one who likes Tea. The one who likes Milk lives on the topmost floor. T does not like Milk. S lives on the floor number adjacent to $M$ and R. N lives above Q .

21. How many persons are there between $R$ and O ?
A. None
B. One
C. Two
D. Three
E. None of these
22. Who among the following lives on the first floor?
A. 0
B. $P$
C. The one who likes Appy
D. The one who likes Pepsi
E. None of these
23. Which of the following combination is true?
A. Floor No. 3-Q-Appy
B. Floor No. 2-R-Limca
C. Floor No. 1- P-Pepsi
D. Floor No. 6-N-Fanta
E. None of these
24. Who among the following lives on topmost floor?
A. N
B. S
C. P
D. M
E. None of these
25. Which of the following drink does N like?
A. Tea
B. Maaza
C. Coffee
D. Pepsi
E. None of these

Directions (26-30): Study the following information carefully and answer the questions given below:
Eight friends namely viz, Mohan, Ravi, Sumit, Manish, Mahesh, Sunita, Amit and Arun like three cities i.e. Mumbai, Agra and Delhi and each of them like a different games i.e. Badminton, Cricket, Tennis, Football, Golf, Racing, Kho-Kho and Archery, but not necessarily in the same order. At least two and not more than three friends like the same city. The one who likes Tennis is the only other friend who likes the same city as Manish. Mohan and Amit both like Delhi. Amit does not like Kho-Kho. Manish likes Mumbai and likes Badminton. The one who likes Delhi does not like Racing. Ravi likes Football but does not like Agra. No one from Delhi likes Archery. Arun does not like Tennis and likes same city as Sumit. Sumit likes Archery and Sunita likes Cricket.
26. Which of the following game is liked by Sumit?
A. Badminton
B. Golf
C. Kho-Kho
D. Cricket
E. Archery
27. Who likes Agra?
A. Sumit, Sunita
B. Amit, Arun, Sumit
C. Sunita, Arun, Sumit
D. Manish, Mohan, Amit
E. None of these
28. Which of the following combinations is correct?
A. Sunita - Delhi - Archery
B. Manish - Mumbai - Racing
C. Mahesh - Mumbai - Tennis
D. Amit- Agra - Golf
E. None of these
29. Amit likes which of the following city?
A. Mumbai
B. Agra
C. Both Mumbai and Agra
D. Both Mumbai and Delhi
E. Delhi
30. Which of the following game is liked by Amit?
A. Badminton
B. Golf
C. Cricket
D. Tennis
E. None of these

Directions (31-35): Study the following information carefully and answer the questions given below $\mathrm{I}, \mathrm{J}, \mathrm{K}, \mathrm{L}, \mathrm{M}, \mathrm{N}, \mathrm{O}$ and P are sitting around a circular table but not necessarily in the same order. Some of the persons are facing the centre while some are not facing the centre. J sits third to the right of $L$ and both are facing opposite directions. The immediate neighbours of $M$ face the same direction. There is only one person between $L$ and $P$. The immediate neighbours of $L$ face opposite directions. K is not an immediate neighbours of either P or L. N sits second to the right of $M$, who faces outward. P sits opposite $N$ and both face opposite direction. I sits second to the right of $O$. The immediate neighbours of $P$ face the same direction as K. I and $P$ face the same direction as K.

31. Who among the following faces the centre?
A. O
B. $K$
C. N
D. $M$
E. None of these
32. Who among the following are immediate neighbours of $M$ ?
A. K,J
B. J, P
C. N,K
D. L,O
E. None of these
33. Who among the following is on the immediate right of $L$ ?
A. M
B. J
C. I
D. O
E. None of these
34. How many persons are there between $L$ and $M$ ?
A. One
B. Two
C. Three
D. None
E. None of these
35. jWhat is the position of K with respect to I?
A. Second to the right
B. Fourth to the left
C. Fourth to the right
D. Either 2 or 3
E. None of these

Direction (36-40): Study the information given below and answer the questions based on it.
A, B, C, D, E, F and G are seven friends sitting in the line with equal distance 5mt facing toward the North. They all are posing for photograph, After Photograph some of the friends change their positions. Following are the given information-
After photo shot $F$ shift 5 mt in the north direction and then cover 5 mt in the right direction. Initially $A$ sits 3rd to the left of $C$, where $A$ and $B$ are not sitting at an extreme end. After photo shot $G$ move 6 mt in the south direction and then move 10 mt on the left side. Initially $D$ is immediate of $C$ but not immediate of $E$, there are two persons between $B$ and $E$. After photo shot $D$ moves 5 mt in the North direction and then move 5mt after taking a left after that move 11 mt in the south direction. Initially $G$ is not
immediate neighbour of $E$ and $C$. G is not on the extreme end. Minimum one person but not more than two persons sit to the left of $E$. After photo shot $A$ moves 9 mt in the right direction.
36. What is the distance between C's initial position and G's final position?
A. 12 mt
B. 7 mt
C. 5 mt
D. 6 mt
E. None of these
37. What is the total distance travelled by G ?
A. 12 mt
B. 16 mt
C. 15 mt
D. 17 mt
E. None of these
38. What is the distance between A's final position and D's initial position?
A. 11 mt
B. 16 mt
C. 15 mt
D. 9 mt
E. None of these
39. In which direction final position of $G$ with respect to the initial position of $B$ ?
A. West
B. South
C. South-East
D. South-West
E. None of these
40. Which of the following combination of person doesn't shift their positions?
A. CBG
B. EBC
C. FEA
D. DCB
E. None of these

Direction (41-45): Study the following information carefully and answer the questions given below.
$P, Q, R$. $S, T, V$ and $W$ are seven students of a school. Each of them studies in different standard from standard IV to standard $X$ not necessarily in the same order. Each of them has favourite subject from English Language. Science, History, Geography. Mathematics, Hindi and Sanskrit not necessarily in the same order Q studies in VII standard and does not like either Mathematics or Geography. R likes English Language and does not study either in V or in IX. T studies in VIII Standard and likes Hindi. The one who likes Science studies in X standard. $S$ studies in IV Standard. W likes Sanskrit. P does not study in $X$ standard. The one who likes Geography studies in V standard.

41. In which standard does W study?
A. VII
B. IX
C. X
D. Data inadequate
E. None of these
42. Which subject does $P$ like?
A. Geography
B. Mathematics
C. English Language
D. History
E. None of these
43. Which subject does $S$ like?
A. History
B. Geography
C. Maths
D. Data inadequate
E. None of these
44. In which standard does P study?
A. IV
B. VII
C. IX
D. X
E. None of these
45. Which of the following combination of student-standard-subject is correct?
A. T-VIII-Mathematics
B. W-VII-Sanskrit
C. Q-VII-Geography
D. V-X-science
E. None of these

Direction (46-50): Study the following information carefully and answer the questions given below:
A, B, C, D, E, F, G and H-are sitting around a circular table facing the center. Each one of them is related to other person in some way.

- $F$ is sitting third to the right of his father.
- F has no daughter and out of his two sons only one is married and he is married to H and that son is not his immediate neighbor.
- $C$ is sitting to the immediate right of his son $D$, who is the brother of $F$.
- Only two male has a female as one of their immediate neighbor.
- $B$ is the only daughter of the family and her father is not $A$.
- $E$ is sitting second to the right of $B$. $B$ is the immediate neighbour of $F$.
- There are equal number of people sitting between $F$ and $D$ on either side of them.
- E is the sister-in-law of D.
- One couple is sitting opposite to each other. The mother of $B$ is sitting immediate right of her daughter.

46. How is $G$ related to $C$ ?
A. Granddaughter
B. Grandson
C. Son
D. Daughter
E. None of these
47. Who sits $4^{\text {th }}$ to the right of $E$ ?
A. E's Daughter
B. E's Brother
C. F's Son
D. F's Daughter
E. None of these
48. How many people sits between $H$ and $B$ when counted from clockwise direction?
A. None
B. 3
C. 2
D. 5
E. None of these
49. Four of the following five are alike in a certain way based on the given arrangement and thus form a group. Which is the one that does not belong to that group?
A. F
B. E
C. G
D. $A$
E. D
50. How many females are there?
A. 2
B. 4
C. 1
D. 3
E. 5


## ANSWERS

1. Ans. C.

As Q, S, T, U and V don't work with NASA, R has to work with NASA and he doesn't belong to France. And as WHO-UK, UN-China, these two combinations are fixed, these two combinations have to go with either T or V . But as V doesn't belong to UK, V works with UN and belongs to China. And thus T works with WHO and belongs to UK. Thus S belongs to France, R belongs to Russia and P belongs to Canada. And Q works with OPEC and U works with WB. Thus the final arrangement is as below:

| Person | Organization | Country |
| :--- | :--- | :--- |
| $P$ | WTO | Canada |
| Q | OPEC | Japan |
| R | NASA | Russia |
| S | ILO | France |
| T | WHO | UK |
| U | WB | US |
| V | UN | China |

2. Ans. A.

So we have given this-
Three boys are sitting between two girls.

|  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- |
| $(-)$ | $(+)$ | $(+)$ | $(+)$ | $(-)$ |

The only boy who is not among those boys is sitting at one of the extreme ends. Not more than two girls are sitting together. So we have these possibilities.
Case 1:

|  |  |  |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $(-)$ | $(-)$ | $(+)$ | $(+)$ | $(+)$ | $(-)$ | $(-)$ | $(+)$ |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |

Case 2:

|  |  |  |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $(+)$ | $(-)$ | $(+)$ | $(+)$ | $(+)$ | $(-)$ | $(-)$ | $(-)$ |
| $\mathbf{1}$ | $\mathbf{2}$ | $\mathbf{3}$ | $\mathbf{4}$ | 5 | 6 | $\mathbf{7}$ | $\mathbf{8}$ |

## Take Case 1:

$H$ is sitting fourth to the left of $L$. $L$ can be sits at $6^{\text {th }}$ or $7^{\text {th }}$.
If $L$ sits at $6^{\text {th }}$ then $H$ sits at $2^{\text {nd }}$ but $H$ is a boy and at $2^{\text {nd }}$ position a girl is sitting so this cannot be possible.

|  | H |  |  |  | L |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $(-)$ | $(-)$ | $(+)$ | $(+)$ | $(+)$ | $(-)$ | $(-)$ | $(+)$ |
| $\mathbf{1}$ | $\mathbf{2}$ | $\mathbf{3}$ | $\mathbf{4}$ | $\mathbf{5}$ | $\mathbf{6}$ | $\mathbf{7}$ | $\mathbf{8}$ |

So $L$ sits at $7^{\text {th }}$ and $H$ sits at $4^{\text {th }}$. $G$ is sitting between H and F . So G must be sits at $4^{\text {th }}$ and $F$ at $5^{\text {th }}$. $E$ is the only boy left so he must be sit at $8^{\text {th }}$. J is not the immediate neighbor of L . J doesn't sit at any of the extreme ends. So J must sit at $2^{\text {nd }}$. Both J and K are sitting beside a boy. So $K$ must sits at $6^{\text {th }}$. At $1^{\text {st }}$ position I sit. So this is a valid case we do not need to check another.
Final arrangement is like this-

| I | J | H | G | F | K | L | E |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $(-)$ | $(-)$ | $(+)$ | $(+)$ | $(+)$ | $(-)$ | $(-)$ | $(+)$ |
| $\mathbf{1}$ | $\mathbf{2}$ | $\mathbf{3}$ | $\mathbf{4}$ | $\mathbf{5}$ | $\mathbf{6}$ | $\mathbf{7}$ | $\mathbf{8}$ |

3. Ans. B.

So we have given this-
Three boys are sitting between two girls.

|  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- |
| $(-)$ | $(+)$ | $(+)$ | $(+)$ | $(-)$ |

The only boy who is not among those boys is sitting at one of the extreme ends. Not more than two girls are sitting together. So we have these possibilities.

## Case 1:

|  |  |  |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $(-)$ | $(-)$ | $(+)$ | $(+)$ | $(+)$ | $(-)$ | $(-)$ | $(+)$ |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |

Case 2:

|  |  |  |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $(+)$ | $(-)$ | $(+)$ | $(+)$ | $(+)$ | $(-)$ | $(-)$ | $(-)$ |
| $\mathbf{1}$ | $\mathbf{2}$ | $\mathbf{3}$ | $\mathbf{4}$ | $\mathbf{5}$ | $\mathbf{6}$ | $\mathbf{7}$ | $\mathbf{8}$ |

## Take Case 1:

$H$ is sitting fourth to the left of $L$. $L$ can be sits at $6^{\text {th }}$ or $7^{\text {th }}$.
If L sits at $6^{\text {th }}$ then H sits at $2^{\text {nd }}$ but H is a boy and at $2^{\text {nd }}$ position a girl is sitting so this cannot be possible.

|  | H |  |  |  | L |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $(-)$ | $(-)$ | $(+)$ | $(+)$ | $(+)$ | $(-)$ | $(-)$ | $(+)$ |
| $\mathbf{1}$ | $\mathbf{2}$ | $\mathbf{3}$ | $\mathbf{4}$ | $\mathbf{5}$ | $\mathbf{6}$ | $\mathbf{7}$ | $\mathbf{8}$ |

So $L$ sits at $7^{\text {th }}$ and $H$ sits at $4^{\text {th }}$. $G$ is sitting between H and F . So G must be sits at $4^{\text {th }}$ and
$F$ at $5^{\text {th }}$. E is the only boy left so he must be sit at $8^{\text {th }}$. J is not the immediate neighbor of $L$. J doesn't sit at any of the extreme ends. So J must sit at $2^{\text {nd }}$. Both J and $K$ are sitting beside a boy. So $K$ must sits at $6^{\text {th }}$. At $1^{\text {st }}$ position I sit. So this is a valid case we do not need to check another.

## Final arrangement is like this-

| I | $\mathbf{J}$ | $\mathbf{H}$ | $\mathbf{G}$ | F | K | $\mathbf{L}$ | E |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $(-)$ | $(-)$ | $(+)$ | $(+)$ | $(+)$ | $(-)$ | $(-)$ | $(+)$ |
| $\mathbf{1}$ | $\mathbf{2}$ | $\mathbf{3}$ | $\mathbf{4}$ | $\mathbf{5}$ | $\mathbf{6}$ | $\mathbf{7}$ | $\mathbf{8}$ |

4. Ans. C.

So we have given this-
Three boys are sitting between two girls.

|  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| $(-)$ | $(+)$ | $(+)$ | $(+)$ | $(-)$ |

The only boy who is not among those boys is sitting at one of the extreme ends. Not more than two girls are sitting together. So we have these possibilities.
Case 1:

|  |  |  |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $(-)$ | $(-)$ | $(+)$ | $(+)$ | $(+)$ | $(-)$ | $(-)$ | $(+)$ |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |

Case 2:

|  |  |  |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $(+)$ | $(-)$ | $(+)$ | $(+)$ | $(+)$ | $(-)$ | $(-)$ | $(-)$ |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |

Take Case 1:
$H$ is sitting fourth to the left of $L . L$ can be sits at $6^{\text {th }}$ or $7^{\text {th }}$.
If $L$ sits at $6^{\text {th }}$ then $H$ sits at $2^{\text {nd }}$ but $H$ is a boy and at $2^{\text {nd }}$ position a girl is sitting so this cannot be possible.

|  | H |  |  |  | L |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $(-)$ | $(-)$ | $(+)$ | $(+)$ | $(+)$ | $(-)$ | $(-)$ | $(+)$ |
| $\mathbf{1}$ | $\mathbf{2}$ | 3 | 4 | 5 | 6 | 7 | 8 |

So $L$ sits at $7^{\text {th }}$ and $H$ sits at $4^{\text {th }}$. $G$ is sitting between $H$ and $F$. So $G$ must be sits at $4^{\text {th }}$ and $F$ at $5^{\text {th }}$. $E$ is the only boy left so he must be sit at $8^{\text {th }}$. J is not the immediate neighbor of $L$. J doesn't sit at any of the extreme ends. So J must sit at $2^{\text {nd }}$. Both J and $K$ are sitting beside a boy. So $K$ must sits at $6^{\text {th }}$. At $1^{\text {st }}$ position $I$ sit. So this is a valid case we do not need to check another.

## Final arrangement is like this-

| I | J | H | G | F | K | L | E |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $(-)$ | $(-)$ | $(+)$ | $(+)$ | $(+)$ | $(-)$ | $(-)$ | $(+)$ |
| $\mathbf{1}$ | $\mathbf{2}$ | $\mathbf{3}$ | $\mathbf{4}$ | $\mathbf{5}$ | $\mathbf{6}$ | $\mathbf{7}$ | $\mathbf{8}$ |

5. Ans. D.

So we have given this-
Three boys are sitting between two girls.

|  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- |
| $(-)$ | $(+)$ | $(+)$ | $(+)$ | $(-)$ |

The only boy who is not among those boys is sitting at one of the extreme ends. Not more than two girls are sitting together. So we have these possibilities.

## Case 1:

|  |  |  |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $(-)$ | $(-)$ | $(+)$ | $(+)$ | $(+)$ | $(-)$ | $(-)$ | $(+)$ |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |

Case 2:

|  |  |  |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $(+)$ | $(-)$ | $(+)$ | $(+)$ | $(+)$ | $(-)$ | $(-)$ | $(-)$ |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |

## Take Case 1:

$H$ is sitting fourth to the left of $L$. $L$ can be sits at $6^{\text {th }}$ or $7^{\text {th }}$.
If $L$ sits at $6^{\text {th }}$ then $H$ sits at $2^{\text {nd }}$ but $H$ is a boy and at $2^{\text {nd }}$ position a girl is sitting so this cannot be possible.

|  | H |  |  |  | L |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $(-)$ | $(-)$ | $(+)$ | $(+)$ | $(+)$ | $(-)$ | $(-)$ | $(+)$ |
| $\mathbf{1}$ | $\mathbf{2}$ | $\mathbf{3}$ | $\mathbf{4}$ | $\mathbf{5}$ | $\mathbf{6}$ | $\mathbf{7}$ | $\mathbf{8}$ |

So $L$ sits at $7^{\text {th }}$ and $H$ sits at $4^{\text {th }}$. $G$ is sitting between $H$ and $F$. So $G$ must be sits at $4^{\text {th }}$ and $F$ at $5^{\text {th }}$. $E$ is the only boy left so he must be sit at $8^{\text {th }}$. $J$ is not the immediate neighbor of $L$. J doesn't sit at any of the extreme ends. So J must sit at $2^{\text {nd }}$. Both J and K are sitting beside a boy. So $K$ must sits at $6^{\text {th }}$. At $1^{\text {st }}$ position I sit. So this is a valid case we do not need to check another.

## Final arrangement is like this-

| I | J | H | G | F | K | L | E |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $(-)$ | $(-)$ | $(+)$ | $(+)$ | $(+)$ | $(-)$ | $(-)$ | $(+)$ |
| $\mathbf{1}$ | $\mathbf{2}$ | $\mathbf{3}$ | $\mathbf{4}$ | $\mathbf{5}$ | $\mathbf{6}$ | $\mathbf{7}$ | $\mathbf{8}$ |

6. Ans. A.

In this puzzle, we have to make 8 people sit in a row in which some face north and some face south. We have to fix Zalia first as her
position is exactly defined (extreme end of the row), but we don't know whether she sits at right extreme or left extreme.
So, two possibilities occur for Zalia's position.
Then we have to see whether any information connecting to Zalia is given or not. As it is given three people are sitting between Zalia and the actor, we can fix the actor 4th to Zalia (either right or left) and it is given that actor is facing north. So as actors position is fixed check any statement connecting to actor is given or not.
As it is stated that Zabeel is sitting second to the left of the actor his position is defined and he is facing south. Another link connecting to Zalia is given i.e. zaheera (teacher) is sitting third to the right of Zalia and so zaheera's position is fixed. Then coming to the next thread, some definite information is given (Zaro is a doctor and facing north, zarim is a painter, Zart is not a neighbor of Zalia). Make a note of them beside your workspace so that you need not go back to them. Then make the arrangements using this definite information.
Finally, you will be able to get the arrangement satisfying all the conditions. ZART ZABEEL ZARIM ZOLY ZAHEERA ZANJEER ZARO ZALIA
Tourist swimmer painter
North south
Nouth
7. AnS. D.

In this puzzle, we have to make 8 people sit in a row in which some face north and some face south. We have to fix Zalia first as her position is exactly defined (extreme end of the row), but we don't know whether she sits at right extreme or left extreme.
So, two possibilities occur for Zalia's position.
Then we have to see whether any information connecting to Zalia is given or not. As it is given three people are sitting between Zalia and the actor, we can fix the actor 4th to Zalia (either right or left) and it is given that actor is facing north. So as actors position is fixed check any statement connecting to actor is given or not.
As it is stated that Zabeel is sitting second to the left of the actor his position is defined and
he is facing south. Another link connecting to Zalia is given i.e. zaheera (teacher) is sitting third to the right of Zalia and so zaheera's position is fixed. Then coming to the next thread, some definite information is given (Zaro is a doctor and facing north, zarim is a painter, Zart is not a neighbor of Zalia). Make a note of them beside your workspace so that you need not go back to them. Then make the arrangements using this definite information.
Finally, you will be able to get the arrangement satisfying all the conditions.


| Tourist | swimmer | painter | actor | teacher | can't say | doctor | can't say |
| :--- | ---: | :--- | :--- | :--- | :--- | :--- | :--- |
| North | south | south | north | south | south | north | south |

8. Ans. D.

In this puzzle, we have to make 8 people sit in a row in which some face north and some face south. We have to fix Zalia first as her position is exactly defined (extreme end of the row), but we don't know whether she sits at right extreme or left extreme.
So, two possibilities occur for Zalia's position. Then we have to see whether any information connecting to Zalia is given or not. As it is given three people are sitting between Zalia and the actor, we can fix the actor 4th to Zalia (either right or left) and it is given that actor is facing north. So as actors position is fixed check any statement connecting to actor is given or not.
As it is stated that Zabeel is sitting second to the left of the actor his position is defined and he is facing south. Another link connecting to Zalia is given i.e. zaheera (teacher) is sitting third to the right of Zalia and so zaheera's position is fixed. Then coming to the next thread, some definite information is given (Zaro is a doctor and facing north, zarim is a painter, Zart is not a neighbor of Zalia).
Make a note of them beside your workspace so that you need not go back to them. Then make the arrangements using this definite information.
Finally, you will be able to get the arrangement satisfying all the conditions.


| ZART | ZABEEL | ZARIM | ZOLY | ZAHEERA | ZANJEER | ZARO | ZALIA |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Tourist | swimmer | painter | actor | teacher | can't say | doctor | can't say |
| North | south | south | north | south | south | north | south |

9. Ans. C.

In this puzzle, we have to make 8 people sit in a row in which some face north and some face south. We have to fix Zalia first as her position is exactly defined (extreme end of the row), but we don't know whether she sits at right extreme or left extreme.
So, two possibilities occur for Zalia's position.
Then we have to see whether any information connecting to Zalia is given or not. As it is given three people are sitting between Zalia and the actor, we can fix the actor 4th to Zalia (either right or left) and it is given that actor is facing north. So as actors position is fixed check any statement connecting to actor is given or not.
As it is stated that Zabeel is sitting second to the left of the actor his position is defined and he is facing south. Another link connecting to Zalia is given i.e. zaheera (teacher) is sitting third to the right of Zalia and so zaheera's position is fixed. Then coming to the next thread, some definite information is given (Zaro is a doctor and facing north, zarim is a painter, Zart is not a neighbor of Zalia). Make a note of them beside your workspace so that you need not go back to them. Then make the arrangements using this definite information.
Finally, you will be able to get the arrangement satisfying all the conditions.
ZART ZABEEL ZARIM ZOLY ZAHEERA ZANJEER ZARO ZALIA

10. Ans. C.

In this puzzle, we have to make 8 people sit in a row in which some face north and some face south. We have to fix Zalia first as her position is exactly defined (extreme end of the row), but we don't know whether she sits at right extreme or left extreme.
So, two possibilities occur for Zalia's position. Then we have to see whether any information
connecting to Zalia is given or not. As it is given three people are sitting between Zalia and the actor, we can fix the actor 4th to Zalia (either right or left) and it is given that actor is facing north. So as actors position is fixed check any statement connecting to actor is given or not.
As it is stated that Zabeel is sitting second to the left of the actor his position is defined and he is facing south. Another link connecting to Zalia is given i.e. zaheera (teacher) is sitting third to the right of Zalia and so zaheera's position is fixed. Then coming to the next thread, some definite information is given (Zaro is a doctor and facing north, zarim is a painter, Zart is not a neighbor of Zalia). Make a note of them beside your workspace so that you need not go back to them. Then make the arrangements using this definite information.
Finally, you will be able to get the arrangement satisfying all the conditions.
ZART ZABEEL ZARIM ZOLY ZAHEERA ZANJEER ZARO ZALIA

Tourist swimmer painter actor teacher can't say doctor can't say
North south south north south south north south
11. Ans. D.

Step 1: A plans to watch movie on Wednesday but not of Saif. The movie of Shahrukh Khan is run on Tuesday but it is not to be watched by C .

| Days | Persons | Actors |
| :---: | :---: | :--- |
| Monday |  |  |
| Tuesday |  | Shahrukh Khan |
| Wednesday | A |  |
| Thursday |  |  |
| Friday |  |  |
| Saturday |  |  |

Step 2: B schedules to watch movie neither on the first day of the week nor on the last day. He plans to watch movie of Salman Khan. We shall write this step separately as we are not sure to about this step and we shall consider it later.
Step 3: C schedules to watch movie on the next day of $F$. C can't be schedules on Tuesday. For this, we can have two possibilities, as shown:


| Days | Persons | Actors |
| :---: | :---: | :---: |
| Monday |  |  |
| Tuesday |  | Shahrukh Khan |
| Wednesday | A |  |
| Thursday | F |  |
| Friday | C |  |
| Saturday |  |  |

fig 1

| Days | Persons | Actors |
| :---: | :---: | :---: |
| Monday |  |  |
| Tuesday |  | Shahrukh Khan |
| Wednesday | A |  |
| Thursday |  |  |
| Friday | F |  |
| Saturday | C |  |

fig 2

Step 3: Now in fig 1, B can be placed on Tuesday but he watches movie of Salman Khan. So fig 1 is elliminated here. We shall continue with fig 2 . In fig 2, B can be placed on Thursday to watch movie of Salman as shown below:

| Days | Persons | Actors |
| :---: | :---: | :---: |
| Monday |  |  |
| Tuesday |  | Shahrukh Khan |
| Wednesday | A |  |
| Thursday | F |  |
| Friday | C |  |
| Saturday |  |  |

fig 1

| Days | Persons | Actors |
| :---: | :---: | :--- |
| Monday |  |  |
| Tuesday |  | Shahrukh Khan |
| Wednesday | A |  |
| Thursday | B | Salman Khan |
| Friday | F |  |
| Saturday | C |  |

fig 2

Step 4: Movie of Ranveer Singh is scheduled to run on the next day of Hrithik Roshan's movie but these movies are not to be watched by E.

| Days | Persons | Actors |
| :---: | :---: | :--- |
| Monday |  |  |
| Tuesday |  | Shahrukh Khan |
| Wednesday | A |  |
| Thursday | B | Salman Khan |
| Friday | F | Hrithik Roshan |
| Saturday | C | Ranveer Singh |

Step 5: As A don't plans to watch movie of Saif, so Saif's movie will run on Monday and Sohail Khan's movie on Wednesday. Also E doesn't watch movie before D. Thus we have the arrangement as:

| Days | Persons | Actors |
| :---: | :---: | :--- |
| Monday | D | Saif |
| Tuesday | E | Shahrukh Khan |
| Wednesday | A | Sohail Khan |
| Thursday | B | Salman Khan |
| Friday | F | Hrithik Roshan |
| Saturday | C | Ranveer Singh |

12. Ans. B.

Step 1: A plans to watch movie on Wednesday but not of Saif. The movie of Shahrukh Khan is run on Tuesday but it is not to be watched by C .

| Days | Persons | Actors |
| :---: | :---: | :--- |
| Monday |  |  |
| Tuesday |  | Shahrukh Khan |
| Wednesday | A |  |
| Thursday |  |  |
| Friday |  |  |
| Saturday |  |  |

Step 2: B schedules to watch movie neither on the first day of the week nor on the last day. He plans to watch movie of Salman Khan. We shall write this step separately as we are not sure to about this step and we shall consider it later.
Step 3: C schedules to watch movie on the next day of $F$. C can't be schedules on Tuesday. For this, we can have two possibilities, as shown:

| Days | Persons | Actors |
| :---: | :---: | :--- |
| Monday |  |  |
| Tuesday |  | Shahrukh Khan |
| Wednesday | A |  |
| Thursday | F |  |
| Friday | C |  |
| Saturday |  |  |

fig 1

| Days | Persons | Actors |
| :---: | :---: | :--- |
| Monday |  |  |
| Tuesday |  | Shahrukh Khan |
| Wednesday | A |  |
| Thursday |  |  |
| Friday | F |  |
| Saturday | C |  |

fig 2

Step 3: Now in fig 1, B can be placed on Tuesday but he watches movie of Salman Khan. So fig 1 is elliminated here. We shall continue with fig 2 . In fig 2, B can be placed on Thursday to watch movie of Salman as shown below:

| Days | Persons | Actors |
| :---: | :---: | :--- |
| Monday |  |  |
| Tuesday |  | Shahrukh Khan |
| Wednesday | A |  |
| Thursday | F |  |
| Friday | C |  |
| Saturday |  |  |

fig 1

| Days | Persons | Actors |
| :---: | :---: | :--- |
| Monday |  |  |
| Tuesday |  | Shahrukh Khan |
| Wednesday | A |  |
| Thursday | B | Salman Khan |
| Friday | F |  |
| Saturday | C |  |

fig 2

Step 4: Movie of Ranveer Singh is scheduled to run on the next day of Hrithik Roshan's movie but these movies are not to be watched by E .

| Days | Persons | Actors |
| :---: | :---: | :--- |
| Monday |  |  |
| Tuesday |  | Shahrukh Khan |
| Wednesday | A |  |
| Thursday | B | Salman Khan |
| Friday | F | Hrithik Roshan |
| Saturday | C | Ranveer Singh |

Step 5: As A don't plans to watch movie of Saif, so Saif's movie will run on Monday and Sohail Khan's movie on Wednesday. Also E doesn't watch movie before D. Thus we have the arrangement as:

| Days | Persons | Actors |
| :---: | :---: | :--- |
| Monday | D | Saif |
| Tuesday | E | Shahrukh Khan |
| Wednesday | A | Sohail Khan |
| Thursday | B | Salman Khan |
| Friday | F | Hrithik Roshan |
| Saturday | C | Ranveer Singh |

## 13. Ans. C.

Step 1: A plans to watch movie on Wednesday but not of Saif. The movie of Shahrukh Khan is run on Tuesday but it is not to be watched by C .

| Days | Persons | Actors |
| :---: | :---: | :--- |
| Monday |  |  |
| Tuesday |  | Shahrukh Khan |
| Wednesday | A |  |
| Thursday |  |  |
| Friday |  |  |
| Saturday |  |  |

Step 2: B schedules to watch movie neither on the first day of the week nor on the last day. He plans to watch movie of Salman Khan. We shall write this step separately as we are not sure to about this step and we shall consider it later.
Step 3: C schedules to watch movie on the next day of $F$. C can't be schedules on Tuesday. For this, we can have two possibilities, as shown:

| Days | Persons | Actors |
| :---: | :---: | :--- |
| Monday |  |  |
| Tuesday |  | Shahrukh Khan |
| Wednesday | A |  |
| Thursday | F |  |
| Friday | C |  |
| Saturday |  |  |

fig 1

| Days | Persons | Actors |
| :---: | :---: | :--- |
| Monday |  |  |
| Tuesday |  | Shahrukh Khan |
| Wednesday | A |  |
| Thursday |  |  |
| Friday | F |  |
| Saturday | C |  |

far

Step 3: Now in fig 1, B can be placed on Tuesday but he watches movie of Salman Khan. So fig 1 is elliminated here. We shall continue with fig 2 . In fig 2, B can be placed on Thursday to watch movie of Salman as shown below:

| Days | Persons | Actors |
| :---: | :---: | :---: |
| Monday |  |  |
| Tuesday |  | Shahrukh Khan |
| Wednesday |  |  |
| Thursday | F |  |
| Friday | C |  |
| Saturday |  |  |

fig 1

| Days | Persons | Actors |
| :---: | :---: | :--- |
| Monday |  |  |
| Tuesday |  | Shahrukh Khan |
| Wednesday | A |  |
| Thursday | B | Salman Khan |
| Friday | F |  |
| Saturday | C |  |

fig 2

Step 4: Movie of Ranveer Singh is scheduled to run on the next day of Hrithik Roshan's movie but these movies are not to be watched by E .

| Days | Persons | Actors |
| :---: | :---: | :--- |
| Monday |  |  |
| Tuesday |  | Shahrukh Khan |
| Wednesday | A |  |
| Thursday | B | Salman Khan |
| Friday | F | Hrithik Roshan |
| Saturday | C | Ranveer Singh |

Step 5: As A don't plans to watch movie of Saif, so Saif's movie will run on Monday and Sohail Khan's movie on Wednesday. Also E doesn't watch movie before D. Thus we have the arrangement as:

| Days | Persons | Actors |
| :---: | :---: | :---: |
| Monday | D | Saif |
| Tuesday | E | Shahrukh Khan |
| Wednesday | A | Sohail Khan |
| Thursday | B | Salman Khan |
| Friday | F | Hrithik Roshan |
| Saturday | C | Ranveer Singh |

## 14. Ans. E.

Step 1: A plans to watch movie on Wednesday but not of Saif. The movie of Shahrukh Khan is run on Tuesday but it is not to be watched by C .

| Days | Persons | Actors |
| :---: | :---: | :--- |
| Monday |  |  |
| Tuesday |  | Shahrukh Khan |
| Wednesday | A |  |
| Thursday |  |  |
| Friday |  |  |
| Saturday |  |  |

Step 2: B schedules to watch movie neither on the first day of the week nor on the last day. He plans to watch movie of Salman Khan. We shall write this step separately as we are not sure to about this step and we shall consider it later.
Step 3: C schedules to watch movie on the next day of $F$. C can't be schedules on Tuesday. For this, we can have two possibilities, as shown:

| Days | Persons | Actors |
| :---: | :---: | :--- |
| Monday |  |  |
| Tuesday |  | Shahrukh Khan |
| Wednesday | A |  |
| Thursday | F |  |
| Friday | C |  |
| Saturday |  |  |


| Days | Persons | Actors |
| :---: | :---: | :---: |
| Monday |  |  |
| Tuesday |  | Shahrukh Khan |
| Wednesday | A |  |
| Thursday |  |  |
| Friday | F |  |
| Saturday | C |  |

fig 1
6ig 2

Step 3: Now in fig 1, B can be placed on Tuesday but he watches movie of Salman Khan. So fig 1 is elliminated here. We shall continue with fig 2 . In fig 2, B can be placed on Thursday to watch movie of Salman as shown below:

| Days | Persons | Actors |
| :---: | :---: | :--- |
| Monday |  |  |
| Tuesday |  | Shahrukh Khan |
| Wednesday |  |  |
| Thursday | F |  |
| Friday | C |  |
| Saturday |  |  |

fig 1

| Days | Persons | Actors |
| :---: | :---: | :--- |
| Monday |  |  |
| Tuesday |  | Shahrukh Khan |
| Wednesday | A |  |
| Thursday | B | Salman Khan |
| Friday | F |  |
| Saturday | C |  |

fig 2

Step 4: Movie of Ranveer Singh is scheduled to run on the next day of Hrithik Roshan's movie but these movies are not to be watched by E .

| Days | Persons | Actors |
| :---: | :---: | :--- |
| Monday |  |  |
| Tuesday |  | Shahrukh Khan |
| Wednesday | A |  |
| Thursday | B | Salman Khan |
| Friday | F | Hrithik Roshan |
| Saturday | C | Ranveer Singh |

Step 5: As A don't plans to watch movie of Saif, so Saif's movie will run on Monday and Sohail Khan's movie on Wednesday. Also E doesn't watch movie before D. Thus we have the arrangement as:

| Days | Persons | Actors |
| :---: | :---: | :--- |
| Monday | D | Saif |
| Tuesday | E | Shahrukh Khan |
| Wednesday | A | Sohail Khan |
| Thursday | B | Salman Khan |
| Friday | F | Hrithik Roshan |
| Saturday | C | Ranveer Singh |

15. Ans. A.

Step 1: A plans to watch movie on Wednesday but not of Saif. The movie of Shahrukh Khan is run on Tuesday but it is not to be watched by C .

| Days | Persons | Actors |
| :---: | :---: | :--- |
| Monday |  |  |
| Tuesday |  | Shahrukh Khan |
| Wednesday | A |  |
| Thursday |  |  |
| Friday |  |  |
| Saturday |  |  |

Step 2: B schedules to watch movie neither on the first day of the week nor on the last day. He plans to watch movie of Salman Khan. We shall write this step separately as we are not sure to about this step and we shall consider it later.
Step 3: C schedules to watch movie on the next day of $F$. C can't be schedules on Tuesday. For this, we can have two possibilities, as shown:

| Days | Persons | Actors |
| :---: | :---: | :---: |
| Monday |  |  |
| Tuesday |  | Shahrukh Khan |
| Wednesday | A |  |
| Thursday | F |  |
| Friday | C |  |
| Saturday |  |  |

fig 1

| Days | Persons | Actors |
| :---: | :---: | :---: |
| Monday |  |  |
| Tuesday |  | Shahrukh Khan |
| Wednesday | A |  |
| Thursday |  |  |
| Friday | F |  |
| Saturday | C |  |

fig 2

Step 3: Now in fig 1, B can be placed on Tuesday but he watches movie of Salman Khan. So fig 1 is elliminated here. We shall continue with fig 2 . In fig $2, B$ can be placed on Thursday to watch movie of Salman as shown below:

| Days | Persons | Actors |
| :---: | :---: | :---: |
| Monday |  |  |
| Tuesday |  | Shahrukh Khan |
| Wednesday | A |  |
| Thursday | F |  |
| Friday | C |  |
| Saturday |  |  |

fig 1

| Days | Persons | Actors |
| :---: | :---: | :---: |
| Monday |  |  |
| Tuesday |  | Shahrukh Khan |
| Wednesday | A |  |
| Thursday | B | Salman Khan |
| Friday | F |  |
| Saturday | C |  |

fig 2

Step 4: Movie of Ranveer Singh is scheduled to run on the next day of Hrithik Roshan's movie but these movies are not to be watched by E .

| Days | Persons | Actors |
| :---: | :---: | :--- |
| Monday |  |  |
| Tuesday |  | Shahrukh Khan |
| Wednesday | A |  |
| Thursday | B | Salman Khan |
| Friday | F | Hrithik Roshan |
| Saturday | C | Ranveer Singh |

Step 5: As A don't plans to watch movie of Saif, so Saif's movie will run on Monday and Sohail Khan's movie on Wednesday. Also E doesn't watch movie before D. Thus we have the arrangement as:

| Days | Persons | Actors |
| :---: | :---: | :--- |
| Monday | D | Saif |
| Tuesday | E | Shahrukh Khan |
| Wednesday | A | Sohail Khan |
| Thursday | B | Salman Khan |
| Friday | F | Hrithik Roshan |
| Saturday | C | Ranveer Singh |

16. Ans. A.


| Couples | City |
| :---: | :---: |
| D, G | Patna |
| F, B | Lucknow |
| A, C | Delhi |
| E, H | Ranchi |

17. Ans. C.


| Couples | City |
| :---: | :---: |
| D, G | Patna |
| F, B | Lucknow |
| A, C | Delhi |
| E, H | Ranchi |

18. Ans. A.


| Couples | City |
| :---: | :---: |
| D, G | Patna |
| F, B | Lucknow |
| A, C | Delhi |
| E, H | Ranchi |

19. Ans. D.


| Couples | City |
| :---: | :---: |
| D, G | Patna |
| F, B | Lucknow |
| A, C | Delhi |
| E, H | Ranchi |

20. Ans. E.


| Couples | City |
| :---: | :---: |
| D, G | Patna |
| F, B | Lucknow |
| A, C | Delhi |
| E, H | Ranchi |

21. Ans. B.
22. The one who likes Pepsi lives on floor no.
23. 

2.The one who likes Milk lives on the topmost floor.
3. There is only one floor between the one who likes Milk and the one who likes Maaza.
4. R lives on an even numbered floor and likes Limca.
5. S lives on the floor number adjacent to $M$ and $R$.
6. R lives above $O$, who does not live on first floor but O likes Coffee.

So there will be two possibilities,
Case 1
8 - Milk -
7-_ -
6-Maaza - M
5-S-
4-Limca - R
3-Coffee - O
2-_-
1 - Pepsi-
Case 2
8 - Milk -
7-_-
6 _ Maaza- M
5-_-S
4-Limca-R
3-- -
2-Coffee - O
1 - Pepsi
There are three floor between the floor on which $N$ lives and the floor on which $Q$ lives. $N$ lives above Q. T does not like Milk. Now only one place is left for P . There are two floors between the one who likes Tea and O. Neither M nor N likes Tea or Appy.
Only second case is fulfilling this condition.

| Floor | Person | Drink |
| :---: | :---: | :--- |
| 8 | P | Milk |
| 7 | N | Fanta |
| 6 | M | Maaza |
| 5 | S | Tea |
| 4 | R | Limca |
| 3 | Q | Appy |
| 2 | 0 | Coffee |
| 1 | T | Pepsi |

22. Ans. D.
23. The one who likes Pepsi lives on floor no.
24. 

2.The one who likes Milk lives on the topmost floor.
3. There is only one floor between the one who likes Milk and the one who likes Maaza.
4. R lives on an even numbered floor and likes Limca.
5. S lives on the floor number adjacent to $M$ and $R$.
6. R lives above $O$, who does not live on first floor but O likes Coffee.


So there will be two possibilities,
Case 1
8 - Milk - $\qquad$
7 - $\qquad$
6 - Maaza - M
5-S-
4-Limca - R
3-Coffee - O
2-_-
1 - Pepsi- _
Case 2
8 - Milk -
7 - _-
6 _ Maaza- M
5-_-S
4-Limca - R
3 - $\qquad$
2-Coffee - O
1 - Pepsi
There are three floor between the floor on which N lives and the floor on which Q lives. N lives above Q. T does not like Milk. Now only one place is left for $P$. There are two floors between the one who likes Tea and O. Neither M nor N likes Tea or Appy.
Only second case is fulfilling this condition.

| Floor | Person | Drink |
| :---: | :---: | :--- |
| 8 | P | Milk |
| 7 | N | Fanta |
| 6 | M | Maaza |
| 5 | S | Tea |
| 4 | R | Limca |
| 3 | Q | Appy |
| 2 | 0 | Coffee |
| 1 | T | Pepsi |

23. Ans. A.
24. The one who likes Pepsi lives on floor no. 1. 2.The one who likes Milk lives on the topmost floor.
25. There is only one floor between the one who likes Milk and the one who likes Maaza. 4. R lives on an even numbered floor and likes Limca.
26. S lives on the floor number adjacent to $M$ and
27. R lives above O, who does not live on first floor but O likes Coffee.
So there will be two possibilities,

Case 1
8 - Milk -
7 - $\qquad$
6-Maaza - M
5-S-
4-Limca - R
3-Coffee - O
2 - - -
1 - Pepsi- $\qquad$
Case 2
8 - Milk -
7-_-
6 _ Maaza- M
5-_-S
4-Limca - R
3 -
2 - Coffee - O
1 - Pepsi
There are three floor between the floor on which N lives and the floor on which Q
lives. $N$ lives above $Q$. $T$ does not like Milk. Now only one place is left for $P$. There are two floors between the one who likes Tea and $O$. Neither $M$ nor N likes Tea or Appy. Only second case is fulfilling this condition.

| Floor | Person | Drink |
| :---: | :---: | :--- |
| 8 | P | Milk |
| 7 | N | Fanta |
| 6 | M | Maaza |
| 5 | S | Tea |
| 4 | R | Limca |
| 3 | Q | Appy |
| 2 | 0 | Coffee |
| 1 | T | Pepsi |

24. Ans. C.
25. The one who likes Pepsi lives on floor no. 1.
2.The one who likes Milk lives on the topmost floor.
26. There is only one floor between the one who likes Milk and the one who likes Maaza. 4. R lives on an even numbered floor and likes Limca.
27. S lives on the floor number adjacent to $M$ and R.
28. $R$ lives above $O$, who does not live on first floor but O likes Coffee.


So there will be two possibilities,
Case 1
8 - Milk - $\qquad$
7 - $\qquad$
6-Maaza - M
5-S-
4-Limca - R
3-Coffee - O
2 - $\qquad$
1 - Pepsi- $\qquad$
Case 2
8 - Milk -
7 - $\qquad$
Maaza- M
5-_-S
4-Limca - R
3 - $\qquad$
2-Coffee - O
1 - Pepsi
There are three floor between the floor on which N lives and the floor on which Q lives. N lives above Q. T does not like Milk. Now only one place is left for $P$. There are two floors between the one who likes Tea and O. Neither M nor N likes Tea or Appy.
Only second case is fulfilling this condition.

| Floor | Person | Drink |
| :---: | :---: | :--- |
| 8 | P | Milk |
| 7 | N | Fanta |
| 6 | M | Maaza |
| 5 | S | Tea |
| 4 | R | Limca |
| 3 | Q | Appy |
| 2 | 0 | Coffee |
| 1 | T | Pepsi |

25. Ans. E.
26. The one who likes Pepsi lives on floor no.
27. 

2.The one who likes Milk lives on the topmost floor.
3. There is only one floor between the one who likes Milk and the one who likes Maaza.
4. $R$ lives on an even numbered floor and likes Limca.
5. S lives on the floor number adjacent to $M$ and $R$.
6. $R$ lives above 0 , who does not live on first floor but O likes Coffee.

So there will be two possibilities,
Case 1
8 - Milk -
7 - $\qquad$
6-Maaza - M
5-S-
4-Limca - R
3-Coffee - O
2 - - -
1 - Pepsi-
Case 2
8 - Milk -
7-_-
6 _ Maaza- M
5-_-S
4-Limca - R
3-_-
2-Coffee - O
1 - Pepsi
There are three floor between the floor on which N lives and the floor on which Q lives. N lives above Q. T does not like Milk. Now only one place is left for $P$. There are two floors between the one who likes Tea and O. Neither M nor N likes Tea or Appy.
Only second case is fulfilling this condition.

| Floor | Person | Drink |
| :---: | :---: | :--- |
| 8 | P | Milk |
| 7 | N | Fanta |
| 6 | M | Maaza |
| 5 | S | Tea |
| 4 | R | Limca |
| 3 | Q | Appy |
| 2 | 0 | Coffee |
| 1 | T | Pepsi |

26. Ans. E.

Archery game is liked by Sumit

| Ravi | Football | Delhi |
| :--- | :--- | :--- |
| Manish | Badminton | Mumbai |
| Mahesh | Tennis | Mumbai |
| Sunita | Cricket | Agra |
| Amit | Golf | Delhi |
| Arun | Racing | Agra |
| Sumit | Archery | Agra |
| Mohan | Kho-Kho | Delhi |

27. Ans. C.

Sunita, Arun \& Sumit likes Agra.

| Ravi | Football | Delhi |
| :--- | :--- | :--- |
| Manish | Badminton | Mumbai |
| Mahesh | Tennis | Mumbai |
| Sunita | Cricket | Agra |
| Amit | Golf | Delhi |
| Arun | Racing | Agra |
| Sumit | Archery | Agra |
| Mohan | Kho-Kho | Delhi |

28. Ans. C.

Mahesh - Mumbai - Tennis combinations is correct

| Ravi | Football | Delhi |
| :--- | :--- | :--- |
| Manish | Badminton | Mumbai |
| Mahesh | Tennis | Mumbai |
| Sunita | Cricket | Agra |
| Amit | Golf | Delhi |
| Arun | Racing | Agra |
| Sumit | Archery | Agra |
| Mohan | Kho-Kho | Delhi |

29. Ans. E.

Amit likes Delhi

| Ravi | Football | Delhi |
| :--- | :--- | :--- |
| Manish | Badminton | Mumbai |
| Mahesh | Tennis | Mumbai |
| Sunita | Cricket | Agra |
| Amit | Golf | Delhi |
| Arun | Racing | Agra |
| Sumit | Archery | Agra |
| Mohan | Kho-Kho | Delhi |

30. Ans. B.

Amit likes Golf game

| Ravi | Football | Delhi |
| :--- | :--- | :--- |
| Manish | Badminton | Mumbai |
| Mahesh | Tennis | Mumbai |
| Sunita | Cricket | Agra |
| Amit | Golf | Delhi |
| Arun | Racing | Agra |
| Sumit | Archery | Agra |
| Mohan | Kho-Kho | Delhi |

31. Ans. B.

$K$ faces the centre
32. Ans. A.


K, J are immediate neighbours of M 33. Ans. C.


I is on the immediate right of $L$
34. Ans. C.


Three persons are there between $L$ and $M$


The position of K with respect to I is Fourth to the left or Fourth to the right.
36. Ans. D.


## Case 1:

When we follow all the given information and reach to the information where G is not immediate neighbour of $E$ and $C$, this information is not followed by this case so we abort this case.


Case 2:
In this case where condition is given that minimum one person or not more than two persons sit to the left of $E$ violates. So, we abort this case.


Case 3:
In this case where condition is given that minimum one person or not more than two persons sit to the left of $E$ violate here. So, we abort this case.


Case 4:
Case 4 follows all the given condition.

37. Ans. B.


Case 1:
When we follow all the given information and reach to the information where G is not immediate neighbour of $E$ and $C$, this information is not followed by this case so we abort this case.


## Case 2:

In this case where condition is given that minimum one person or not more than two persons sit to the left of $E$ violates. So, we abort this case.


Case 3:
In this case where condition is given that minimum one person or not more than two persons sit to the left of $E$ violate here. So, we abort this case.


## Case 4:

Case 4 follows all the given condition.

38. Ans. A.


## Case 1:

When we follow all the given information and reach to the information where G is not immediate neighbour of E and C , this information is not followed by this case so we abort this case.


Case 2:
In this case where condition is given that minimum one person or not more than two persons sit to the left of $E$ violates. So, we abort this case.


## Case 3:

In this case where condition is given that minimum one person or not more than two persons sit to the left of E violate here. So, we abort this case.


## Case 4:

Case 4 follows all the given condition.

39. Ans. C.


## Case 1:

When we follow all the given information and reach to the information where $G$ is not immediate neighbour of $E$ and $C$, this information is not followed by this case so we abort this case.


Case 2:
In this case where condition is given that minimum one person or not more than two persons sit to the left of E violates. So, we abort this case.


Case 3:
In this case where condition is given that minimum one person or not more than two persons sit to the left of $E$ violate here. So, we abort this case.


## Case 4:

Case 4 follows all the given condition.

40. Ans. B.


## Case 1:

When we follow all the given information and reach to the information where G is not immediate neighbour of E and C , this information is not followed by this case so we abort this case.


## Case 2:

In this case where condition is given that minimum one person or not more than two persons sit to the left of $E$ violates. So, we abort this case.


Case 3:
In this case where condition is given that minimum one person or not more than two persons sit to the left of E violate here. So, we abort this case.


## Case 4:

Case 4 follows all the given condition.


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41. Ans. B.

- T studies in VIII Standard and likes Hindi.
- S studies in IV Standard.
- W likes Sanskrit.
- Q studies in VII standard and does not like either Mathematics or Geography.
- R likes English Language and does not study either in V or in IX.
- P does not study in X standard.
- The one who likes Science studies in X standard. (Clearly only left for Science who sstudies in X standard is for V )
- The one who likes Geography studies in V standard. (clearly, Geography is for P) According to above statement, we conclude:

| P | V | Geography |
| :--- | :--- | :--- |
| Q | VII | History |
| R | VI | English |
| S | IV | Maths |
| T | VIII | Hindi |
| V | X | Science |
| W | IX | Sanskrit |

Hence option B is correct.
42. Ans. A.

- T studies in VIII Standard and likes Hindi.
- S studies in IV Standard.
- W likes Sanskrit.
- Q studies in VII standard and does not like either Mathematics or Geography.
- $\quad \mathrm{R}$ likes English Language and does not study either in V or in IX.
- P does not study in $X$ standard.
- The one who likes Science studies in X standard. (Clearly only left for Science who sstudies in X standard is for V )
- The one who likes Geography studies in V standard. (clearly, Geography is for P)
According to above statement, we conclude:

| P | V | Geography |
| :--- | :--- | :--- |
| Q | VII | History |
| R | VI | English |
| S | IV | Maths |
| T | VIII | Hindi |
| V | X | Science |
| W | IX | Sanskrit |

Hence option A is correct.
43. Ans. C.

- T studies in VIII Standard and likes Hindi.
- S studies in IV Standard.
- W likes Sanskrit.
- Q studies in VII standard and does not like either Mathematics or Geography.
- R likes English Language and does not study either in $V$ or in IX.
- P does not study in $X$ standard.
- The one who likes Science studies in X standard. (Clearly only left for Science who sstudies in X standard is for V )
- The one who likes Geography studies in V standard. (clearly, Geography is for P) According to above statement, we conclude:

| P | V | Geography |
| :--- | :--- | :--- |
| Q | VII | History |
| R | VI | English |
| S | IV | Maths |
| T | VIII | Hindi |
| V | X | Science |
| W | IX | Sanskrit |

Hence option C is correct.
44. Ans. E.

- T studies in VIII Standard and likes Hindi.
- $\quad$ S studies in IV Standard.
- W likes Sanskrit.
- Q studies in VII standard and does not like either Mathematics or Geography.
- $\quad \mathrm{R}$ likes English Language and does not study either in V or in IX.
- P does not study in $X$ standard.
- The one who likes Science studies in $X$ standard. (Clearly only left for Science who sstudies in X standard is for V )
- The one who likes Geography studies in

V standard. (clearly, Geography is for P )
According to above statement, we conclude:

| P | V | Geography |
| :--- | :--- | :--- |
| Q | VII | History |
| R | VI | English |
| S | IV | Maths |
| T | VIII | Hindi |
| V | X | Science |
| W | IX | Sanskrit |

Hence option E is correct.
45. Ans. D.

- T studies in VIII Standard and likes Hindi.
- $\quad$ S studies in IV Standard.
- W likes Sanskrit.
- Q studies in VII standard and does not like either Mathematics or Geography.
- $\quad \mathrm{R}$ likes English Language and does not study either in V or in IX.
- P does not study in X standard.
- The one who likes Science studies in X standard. (Clearly only left for Science who sstudies in X standard is for V )
- The one who likes Geography studies in V standard. (clearly, Geography is for P)

According to above statement, we conclude:

| $P$ | V | Geography |
| :--- | :--- | :--- |
| Q | VII | History |
| R | VI | English |
| S | IV | Maths |
| T | VIII | Hindi |
| V | X | Science |
| W | IX | Sanskrit |

Hence option D is correct.
46. Ans. B.

- $F$ is sitting third to the right of his father.
- F has no daughter and out of his two sons only one is married and he is married to H and that son is not his immediate neighbor.
- $C$ is sitting to the immediate right of his son $D$, who is the brother of $F$.
- Only two male has a female as one of their immediate neighbor.
- $B$ is the only daughter of the family and her father is not $A$.
- $E$ is sitting second to the right of $B$. $B$ is the immediate neighbor of $F$.
- There are equal number of people sitting between $F$ and $D$ on either side of them.
- $E$ is the sister-in-law of $D$.
- One couple is sitting opposite to each other. The mother of $B$ is sitting immedaite right of her daughter.


47. Ans. C.

- $F$ is sitting third to the right of his father.
- F has no daughter and out of his two sons only one is married and he is married to H and that son is not his immediate neighbor.
- C is sitting to the immediate right of his son $D$, who is the brother of $F$.
- Only two male has a female as one of their immediate neighbor.
- B is the only daughter of the family and her father is not $A$.
- $E$ is sitting second to the right of $B$. $B$ is the immediate neighbor of $F$.

- There are equal number of people sitting between $F$ and $D$ on either side of them.
- $E$ is the sister-in-law of $D$.
- One couple is sitting opposite to each other. The mother of B is sitting immedaite right of her daughter.


48. Ans. A.

- $F$ is sitting third to the right of his father.
- F has no daughter and out of his two sons only one is married and he is married to H and that son is not his immediate neighbor.
- C is sitting to the immediate right of his son $D$, who is the brother of $F$.
- Only two male has a female as one of their immediate neighbor.
- $B$ is the only daughter of the family and her father is not $A$.
- $E$ is sitting second to the right of $B$. $B$ is the immediate neighbor of $F$.
- There are equal number of people sitting between $F$ and $D$ on either side of them.
- E is the sister-in-law of D .
- One couple is sitting opposite to each other. The mother of $B$ is sitting immedaite right of her daughter.


49. Ans. B.

- $F$ is sitting third to the right of his father.
- F has no daughter and out of his two sons only one is married and he is married to H and that son is not his immediate neighbor.
- C is sitting to the immediate right of his
son $D$, who is the brother of $F$.
- Only two male has a female as one of their immediate neighbor.
- $B$ is the only daughter of the family and her father is not $A$.
- $E$ is sitting second to the right of $B$. $B$ is the immediate neighbor of $F$.
- There are equal number of people sitting between $F$ and $D$ on either side of them.
- $E$ is the sister-in-law of $D$.
- One couple is sitting opposite to each other. The mother of $B$ is sitting immedaite right of her daughter.



50. Ans. D.

- $F$ is sitting third to the right of his father. - F has no daughter and out of his two sons only one is married and he is married to H and that son is not his immediate neighbor. - C is sitting to the immediate right of his son $D$, who is the brother of $F$.
- Only two male has a female as one of their immediate neighbor.
- $B$ is the only daughter of the family and her father is not $A$.
- $E$ is sitting second to the right of $B$. $B$ is the immediate neighbor of $F$.
- There are equal number of people sitting between $F$ and $D$ on either side of them.
- $E$ is the sister-in-law of $D$.
- One couple is sitting opposite to each other. The mother of $B$ is sitting immedaite right of her daughter.



