

Level of Difficulty (LOD)—I

Directions for Questions 1 to 5: These questions are based on the following information. Study it carefully and answer the questions.

Seven athletes Ojasvi, Pandey, Qamar, Sachin, Virbhadra, Xenon and Zavi represent different countries in the Olympic games held in Paris. The countries they represent are India, Italy, Malaysia, Nepal, Pakistan, Sri Lanka and Egypt; each one competes for a different sport viz. Judo, Hockey, Weight Lifting, Wrestling, Swimming, Cycling and Basketball. The order of persons, countries and the games is not necessarily the same i.e. the orders of athlete, country and sports have been purposely jumbled in the above lists.

Qamar represents Italy in Hockey. Sachin represents India but not in Judo and neither in Weight Lifting. Someone from amongst the seven athletes represents Egypt and he/she competes in Swimming. Virbahdra competes in Judo but not for Malaysia. Ojasvi represents Sri Lanka in Cycling. The athlete from Pakistan competes in Wrestling. Xenon does not represent Malaysia or Egypt. Zavi competes in Weight Lifting.

1. The one who competes in Weight Lifting, represents which country?
 - (a) Nepal
 - (b) Malaysia
 - (c) Egypt
 - (d) India
2. Which of the following combinations is correct?
 - (a) Xenon-Wrestling-Nepal
 - (b) Zavi-Weight Lifting- Egypt
 - (c) Ojasvi-Wrestling-Sri Lanka
 - (d) Xenon-Wrestling-Pakistan
3. Who represents India?
 - (a) Virbhadra
 - (b) Zavi
 - (c) Xenon
 - (d) None of these

4. For which game does Sachin compete?
(a) Swimming (b) Basketball
(c) Wrestling (d) cannot be determined
5. Virbhadra represents which country?
(a) Malaysia (b) Pakistan
(c) Egypt (d) None of these

Directions for Questions 6 to 10: Study the following information carefully to answer these questions.

Anil, Pritam, Sudesh, Rashmi, Mitali, Gitali and Yukta are sitting around a circle facing the centre. Anil is third to the left of Yukta and to the immediate right of Rashmi. Pritam is second to the left of Gitali who is not an immediate neighbour of Mitali.

6. Who is to the immediate left of Pritam?
(a) Mitali (b) Sudesh
(c) Yukta (d) Cannot be determined
7. Who is second to the right of Rashmi?
(a) Anil (b) Mitali
(c) Pritam (d) Sudesh
8. Which of the following pairs of persons has the first person sitting to the immediate right of the second person?
(a) Rashmi-Mitali (b) Anil-Gitali
(c) Sudesh-Pritam (d) None of these
9. Which of the following groups has the first person sitting between the other two?
(a) Mitali-Anil-Gitali
(b) Sudesh-Rashmi-Gitali
(c) Yukta-Pritam-Rashmi
(d) None of these
10. Which of the following is the correct position of Anil with respect to Pritam?
(I) Second to the left
(II) Third to the left
(III) Fifth to the right
(IV) Fourth to the right
(a) (I) only
(b) (II) only

(c) Both (I) and (II)

(d) Both (I) and (III)

Directions for Questions 11 to 15: Study the following information carefully to answer these questions.

Abhi, Binoy, Chintan, Dev, Esha, Freni and Gautam are members of the Genesis sports club. Each of them plays one of seven different games: Cricket, Swimming, Trekking, Kabbadi, Snooker, Chess and Golf but not necessarily in the same order. Each one of them plays a different musical instrument from amongst Shehnai, Drum, Harmonium, Flute, Sarod, Manjira and Sarangi not necessarily in the same order. Binoy plays Cricket and Manjira. Esha likes to play Kabbadi but not Harmonium or Sarod. The one who plays Snooker plays Shehnai. Freni plays Drums but does not Swim or play Golf. Abhi treks and plays Flute. The one who plays Golf does not play Sarod. Gautam plays the sport of Snooker and Chintan plays Harmonium.

11. Who plays the Sarod?

(a) Dev

(b) Abhi

(c) Esha

(d) Dev or Esha

12. Esha plays which game?

(a) Swimming

(b) Golf

(c) Chess

(d) None of these

13. Which of the following combinations of game-person-musical instrument is definitely correct?

(a) Trekking — Binoy — Flute

(b) Swimming — Esha — Sarangi

(c) Golf — Dev — Sarod

(d) Swimming — Dev — Sarod

14. Who plays Chess?

(a) Chintan

(b) Dev

(c) Gautam

(d) Freni

15. Who is the swimmer?

(a) Chintan

(b) Freni

(c) Dev

(d) Cannot be determined

Directions for Questions 16 to 20: Study the following carefully and answer the questions.

Atul, Binish, Charlie, Danish, Emy, Furqan, Gopal and Hina are sitting around a circle, facing the centre. Emy and Gopal always sit next to each other. Danish sits third to the right of Charlie. Furqan sits to the left of Hina. Charlie never sits next to Atul while Danish never sits next to Gopal. Hina is not the neighbour of Danish and Charlie while Danish is not the neighbor of Furqan.

16. Who sits to the immediate right of Furqan?

- (a) Danish (b) Charlie
(c) Binish (d) None of these
17. Three of the following are alike in a certain way based on their positions in the seating arrangement and so form a group. Which is the one that does not belong to that group?
- (a) Charlie Hina (b) Binish Atul
(c) Furqan Emy (d) Atul Gopal
18. Which of the following pairs sits between Binish and Emy?
- (a) Hina Binish (b) Furqan Danish
(c) Binish Gopal (d) Gopal Charlie
19. Who sits second to the left of Binish?
- (a) Furqan (b) Gopal
(c) Atul (d) Emy
20. Who sits between Atul and Danish?
- (a) Binish (b) Emy
(c) Charlie (d) Nobody

Directions for Questions 21 to 26: Study the following information carefully and answer the questions.

Anu, Bhavesh, Chintu, Durgesh, Esha, Farman, Ganesh and Hitesh are sitting around a circle, facing the centre. Anu sits fourth to the right of Hitesh while second to the left of Farman. Chintu is not the neighbour of Farman and Bhavesh. Durgesh sits third to the right of Chintu. Hitesh never sits next to Ganesh.

21. Who amongst the following sits between Ganesh and Durgesh?
- (a) Ganesh (b) Farman
(c) Hitesh (d) Anu
22. Which of the following pairs sit between Esha and Farman?
- (a) Bhavesh Hitesh (b) Esha Farman
(c) Chintu Esha (d) Durgesh Bhavesh
23. Three of the following are alike in a certain way based on their positions in the seating arrangement and so form a group. Which is the one that does not belong to that group?
- (a) Durgesh Chintu (b) Hitesh Farman
(c) Bhavesh Durgesh (d) Ganesh Esha
24. Who is to the immediate left of Anu?
- (a) Chintu (b) Durgesh
(c) Ganesh (d) Data inadequate

25. Who sits second to the right of Durgesh?
- (a) Anu (b) Chintu
(c) Bhavesh (d) Esha
26. Which is the position of Farman with respect to Esha?
- I. Second to the right
II. Sixth to the left
III. Third to the left
IV. Fifth to the right
- (a) Only II
(b) Only II and III
(c) Only I and IV
(d) Both III and IV

Directions for Questions 27 to 31: Study the following information carefully to answer these questions.

Seven Friends Gimi, Harish, Javed, Kandarp, Luv, Moni and Nitin are working in different cities viz Kolkata, Lucknow, Chandigarh, Gandhinagar, Delhi, Agra, Bhopal not necessarily in the same order. Each one of them has a different profession from amongst Teacher, Photographer, Auditor, Fashion Designer, Builder, Choreographer and Painter not necessarily in the same order.

Harish is a Choreographer and he works in Gandhinagar. Kandarp is a Photographer and he does not work in Kolkata. The Teacher works in Lucknow. Moni works in Delhi. The Painter works in Bhopal. Luv is a Builder and he works in Chandigarh. Gimi is a Fashion Designer. Javed does not work in Lucknow.

27. Who is the Auditor?
- (a) Javed (b) Nitin
(c) Kandarp (d) Moni
28. Which of the following combinations of person, profession and city is definitely correct?
- (a) Gimi—Fashion Designer—Chandigarh
(b) Kandarp—Painter—Bhopal
(c) Luv —Builder—Lucknow
(d) None of the above
29. Who is working in Lucknow?
- (a) Javed (b) Kandarp
(c) Moni (d) Nitin
30. The Fashion Designer works in which city?

(a) Agra

(b) Kolkata

(c) Lucknow

(d) Chandigarh

31. Who is the builder?

(a) Nitin

(b) Javed

(c) Moni

(d) None of these

Directions for Questions 32 to 35: Study the following information carefully to answer these questions.

Seven actors Om, Puri, Qadir, Ruk Ruk, Sanjay, Tina and Usman from a TV show have to visit seven different places for the promotion activity of their show. The places to be visited are: Agra, Mumbai, Indore, Chandigarh, Bhopal, Bangalore and Gandhinagar. The order of actors and cities may not be necessarily the same. Each one is supposed to fly by a different airline Go air, Kingfisher, MDLR Airlines Express, Jetlite, Air Deccan, Indigo Airlines, MDLR Airlines, not necessary in the same order.

Qadir goes to Mumbai but not by MDLR Airlines Express or Jetlite Airlines. Ruk Ruk flies to Bangalore by MDLR Airlines. The one who goes to Gandhinagar does not travel by Air Deccan or MDLR Airlines Express. Sanjay travels by Air Deccan. Om does not go to Agra. Tina travels by Go Air to Bhopal. Puri goes to Chandigarh by Kingfisher. Sanjay does not go to Agra. Usman does not go to Gandhinagar.

32. Who travels by MDLR Airlines Express Airlines?

(a) Om

(b) Qadir

(c) Usman

(d) Cannot be determined

33. Who goes to Gandhinagar?

(a) Om

(b) Sanjay

(c) Usman

(d) Ruk Ruk

34. The one who travels by Air Deccan, visits which place?

(a) Agra

(b) Indore

(c) Chandigarh

(d) Bangalore

35. Which of the following is actor- city- airline combination is definitely true:

(a) Om- Gandhinagar- Indigo

(b) Puri- Chandigarh- MDLR Airlines

(c) Ruk Ruk – Bangalore – MDLR Airlines

(d) Tina – Bhopal - Indigo

Directions for Questions 36 to 40: These questions are based on the following information. Study it carefully to answer the questions.

Seven officers Lina, Mini, Nita, Pia, Queen, Rita and Sumant work in three different shifts I, II and I

with at least two persons working in each shift. Each one of them has a different weekly off from Monday to Sunday not necessarily in the same order. Mini works in the second shift only with Rita whose weekly off is on Friday. Queen's weekly off is on the next day of Lina's weekly off and both of them work in different shifts. Pia works in the third shift and her weekly off is on Saturday. Sumant has a weekly off on Monday and he works in the first shift. The one who has a weekly off on Sunday works in the first shift. Lina and Pia do not work in the same shift, Lina's weekly off is on Tuesday.

36. Whose weekly off falls on Sunday?

- (a) Lina
- (b) Mini
- (c) Cannot be determined
- (d) None of these

37. Which of the following combinations of shift, person and weekly off is definitely correct?

- (a) II, Mini, Saturday
- (b) III, Nita, Thursday
- (c) III, Pia, Sunday
- (d) I, Lina, Tuesday

38. Whose weekly off is on Thursday?

- (a) Lina
- (b) Mini
- (c) Nita
- (d) Queen

39. On which day is Sumant's weekly off?

- (a) Monday
- (b) Wednesday
- (c) Sunday
- (d) Tuesday

40. Which of the following group of officers work in shift I?

- (a) Lina, Nita, Sumant
- (b) Lina, Sumant
- (c) Nita, Sumant
- (d) Lina, Pia, Sumant

Answer Key

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

25. (c)

26. (d)

27. (d)

28. (d)
29. (d)

30. (b)

31. (d)

32. (d)
33. (a)

34. (b)

35. (c)

36. (d)
37. (d)

38. (b)

39. (a)

40. (a)

Solutions

Solutions to Questions 1 to 5: After reading the first paragraph you would get the following structure for the grid:

Athlete	Country	Sport
Ojasvi		
Pandey		
Qamar		
Sachin		
Virbhadra		
Xenon		
Zavi		

Your first focus in the second paragraph should be to first fill in the direct clues into the grid. You get the following grid after using the clues:

Qamar represents Italy in Hockey. Sachin represents India. Virbahdra competes in Judo. Ojasv represents Sri Lanka in Cycling. Zavi competes in Weight Lifting.

Athlete	Country	Sport
Ojasvi	Sri Lanka	Cycling
Pandey		
Qamar	Italy	Hockey
Sachin	India	
Virbhadra		Judo
Xenon		
Zavi		Weightlifting

At this point the following clues are left to be used:
Sachin represents India (used) but not in Judo and neither in Weight Lifting. Someone from amongs

the seven athletes represents Egypt and he/she competes in Swimming. Virbahdra competes in Judo (used) but not for Malaysia. The athlete from Pakistan competes in Wrestling. Xenon does not represent Malaysia or Egypt.

Also, the countries/sports and country/sport combinations still to be filled in are: Malaysia; Pakistan-wrestling; Egypt- Swimming; Nepal; Basketball.

Also, from the grid we have reached at this point of our solving, we know that the two combinations of country sport listed above have to be allocated to Pandey and Xenon. Based on this, we can make the following deductions which would help us complete the solution grid:

Deduction i): Sachin cannot be matched with Swimming or Wrestling. This leaves only Basketball for Sachin.

Deduction ii): Zavi and Virbahdra cannot be from either Pakistan or Egypt. Hence, they must be from either Malaysia or Nepal. Further, it is given to us that Virbahdra is not from Malaysia. Hence, we can pair Virbahdra for Nepal and Zavi for Malaysia.

Deduction iii): At this point, we are only left with deciding about the combinations of Egypt—Swimming AND Pakistan—Wrestling and allocating these between Pandey and Xenon.

Since, we know that Xenon does not represent Egypt, we can easily decide the following combinations:

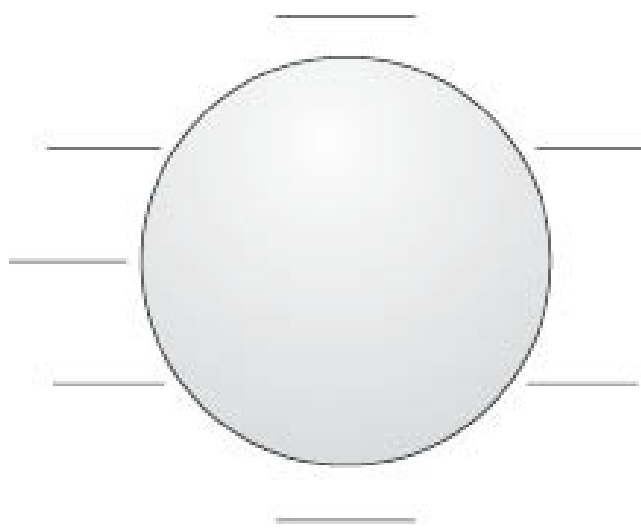
Pandey—Egypt—Swimming & Xenon—Pakistan- Wrestling.

Athlete	Country	Sport
Ojasvi	Sri Lanka	Cycling
Pandey (Deduction iii)	Egypt	Swimming
Qamar	Italy	Hockey
Sachin	India	Basketball (Deduction i)
Virbahdra	Nepal (Deduction ii)	Judo
Xenon (Deduction iii)	Pakistan	Wrestling
Zavi	Malaysia (Deduction ii)	Weightlifting

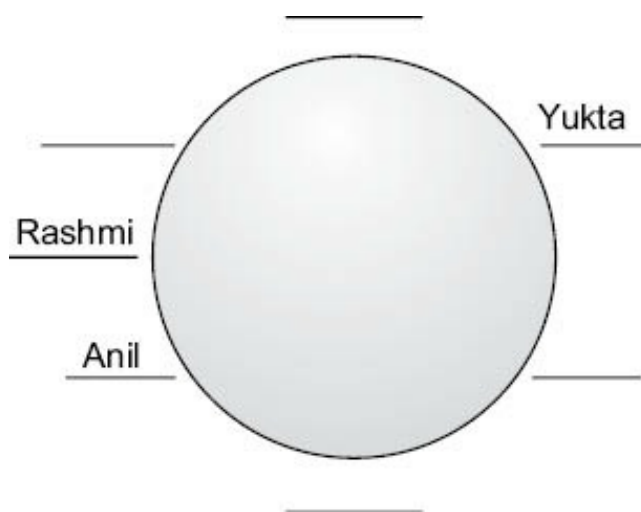
The answers for questions 1 to 5 can be read off the table:

1. Zavi who competes in weightlifting represents Nepal.
2. Option (d) can be seen to be correct.
3. It can be seen that it is Sachin who represents India. Option (d) is correct.
4. Sachin competes in Basketball. Option (b) is correct.
5. Virbahdra represents Nepal. Option (d) is correct.

Solutions to Questions 6 to 10: Based on the information in the question we can start off with a circular figure with 7 blank seats as shown below.

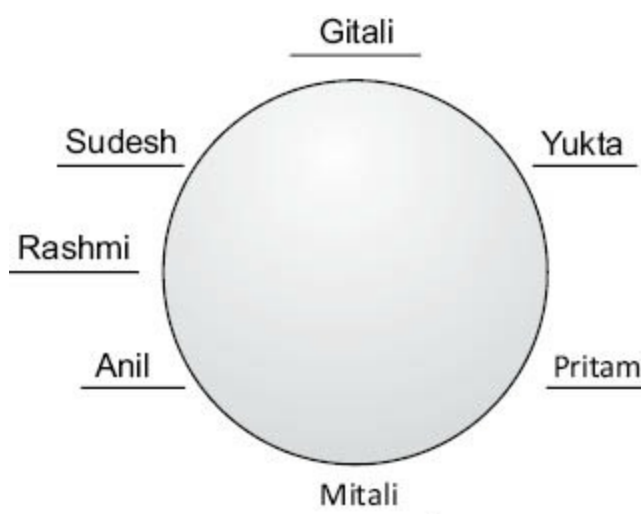


Based on the clue “Anil is third to the left of Yukta and to the immediate right of Rashmi” we get:



From this point we can use the clue:

“Pritam is second to the left of Gitali who is not an immediate neighbour of Mitali.” This gives us only one way to complete the seating arrangement as shown below:



The answers can then be read off the final seating grid.

- 6. Mitali is to the immediate left of Pritam. Option (a) is correct.
- 7. Mitali is second to the right of Rashmi. Option (b) is correct.
- 8. None of the given pairs satisfies the condition. Option (d) is correct.

9. Sudesh is sitting between Rashmi and Gitali. Option (b) is correct.

10. Anil is second to the left and fifth to the right of Pritam. Option (d) is correct.

Solutions to Questions 11 to 15: The starting grid for this question would look as follows:

Name	Sport	Musical Instrument
Abhi		
Binoy		
Chintan		
Dev		
Esha		
Freni		
Gautam		

After using the direct clues we get the following position in the solution grid:

Name	Sport	Musical Instrument
Abhi	Trekking	Flute
Binoy	Cricket	<i>Manjira</i>
Chintan		Harmonium
Dev		
Esha	<i>Kabaddi</i>	
Freni		Drums
Gautam	Snooker	<i>Shehnai</i>

At this point in our solution, we have to still fit in the following sport/musical instrument or Sport-musical instrument combination.

Swimming; Chess ; golf; *Sarod* and *Sarangi*.

From this point the following deductions help us get to the final answers:

Deduction 1: Since Esha does not play *Sarod*, she must be playing *Sarangi*. Consequently, Dev plays *Sarod*.

Deduction 2: Since Freni does not swim or play golf, her sport must be Chess.

The grid would become as follows:

Name	Sport	Musical Instrument
Abhi	Trekking	Flute
Binoy	Cricket	<i>Manjira</i>

Chintan		Harmonium
Dev		<i>Sarod</i>
Esha	<i>Kabaddi</i>	<i>Sarangi</i>
Freni	Chess	Drums
Gautam	Snooker	<i>Shehnai</i>

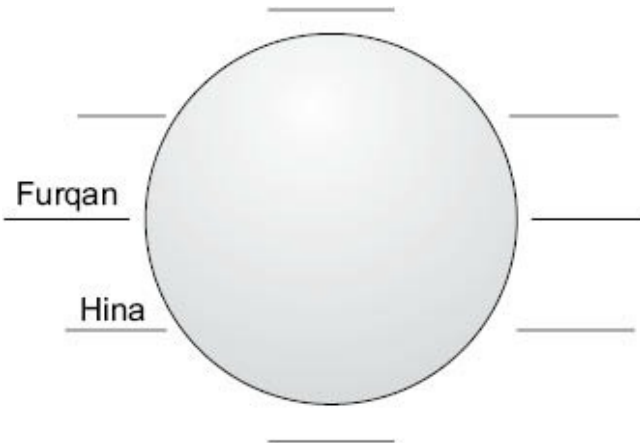
Now, since the one who plays golf does not play Sarod, Golf can only go to Chintan. The final table will look as follows:

Name	Sport	Musical Instrument
Abhi	Trekking	Flute
Binoy	Cricket	<i>Manjira</i>
Chintan	Golf	Harmonium
Dev	Swimming	<i>Sarod</i>
Esha	<i>Kabaddi</i>	<i>Sarangi</i>
Freni	Chess	Drums
Gautam	Snooker	<i>Shehnai</i>

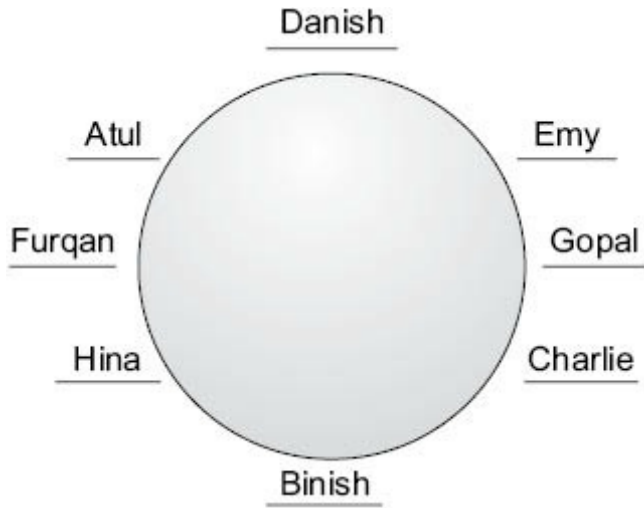
The answers can now be read off the above table:

- Dev plays *Sarod*. Option (a) is correct.
- Esha plays *Kabaddi*. Option (d) is correct.
- Option (d) is correct.
- Freni plays Chess. Option (d) is correct.
- Dev is the swimmer. Option (c) is correct.

Solutions to Questions 16 to 20: Since there are 8 people sitting around the circle, we can look at creating the following picture:



From this point, if we use the clue: Danish sits third to the right of Charlie & Hina is not the neighbour of Danish and Charlie we get only the following possible placement for the eight people.

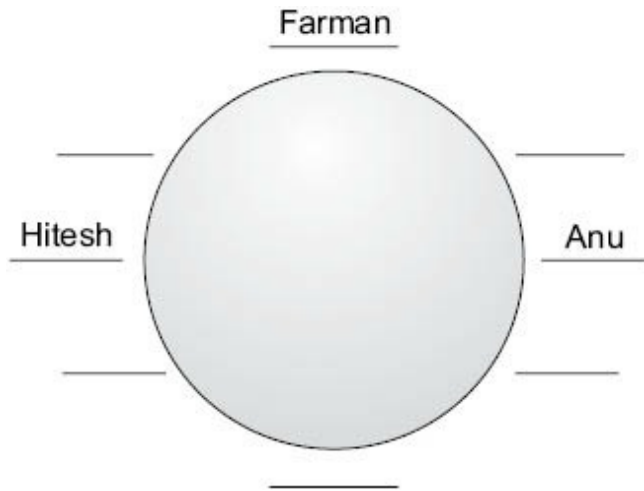


The answers can be read off the above figure.

- 16. Hina sits to the right of Furqan. Option (d) is correct.
- 17. Apart from the pair of Charlie- Hina, in each of the other pairs the second person is sitting 3 places to the left of the first person. Option (a) is the one that does not belong to the group and hence option (a) is correct.
- 18. Option (d) is the correct answer.
- 19. Option (a) is correct.
- 20. Option (d) is correct.

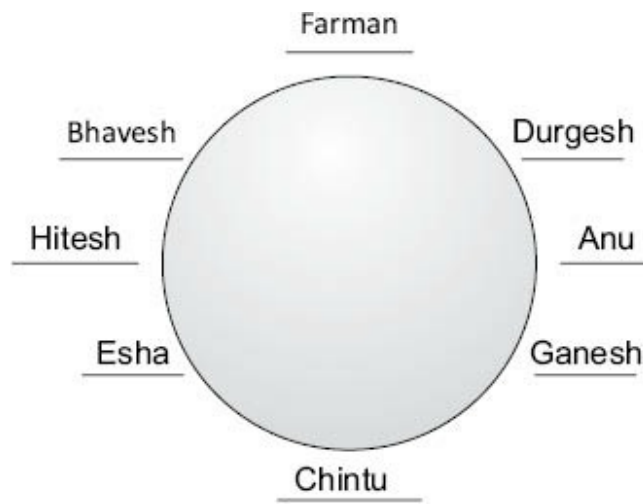
Solutions to Questions 21 to 26:

From the clue: Anu sits fourth to the right of Hitesh while second to the left of Farman we get:



From this point if we further use the clues that:

Chintu is not the neighbour of Farman and Bhavesh & Durgesh sits third to the right of Chintu we would have only one position to place Chintu and Durgesh in. Subsequently, the other people would each have only a single position to get placed in. The solution would be as shown by the figure given below:



The answers to Questions 21 to 26 can then be read off the final solution figure:

- 21. Anu sits between Ganesh and Durgesh. Option (d) is correct.
- 22. Hitesh and Bhavesh sit between Esha and Farman. Option (a) is correct.
- 23. Apart from the Durgesh Chintu pair, all other pairs are separated only by one person in between them. Hence, option (a) is correct.
- 24. Ganesh is to the immediate left of Anu. Option (c) is correct.
- 25. Bhavesh sits second to the right of Durgesh. Option (c) is correct.
- 26. Farman is third to the left of Esha and is also fifth to the right of Esha. Option (d) is correct.

Solutions to Questions 27 to 31: The starting grid in this question (after using the direct information in the question) would look as follows:

Person	City	Profession
Gimi		Fashion Designer
Harish	Gandhinagar	Choreographer
Javed		
Kandarp		Photographer
Luv	Chandigarh	Builder
Moni	Delhi	
Nitin		

At this point we have to place the following:

Kolkata, Lucknow, Agra, Bhopal, Auditor, Painter and Teacher.

Amongst these, we also know the following pairs are mandatory:

Teacher- Lucknow; Painter-Bhopal (& these have to be placed under Javed and Nitin).

The following deductions help us finalise the grid:

Deduction 1: Javed does not work in Lucknow – hence the Teacher – Lucknow pair has to be filled under Nitin and the Painter- Bhopal pair has to be filled under Javed.

Deduction 2: Kandarp does not work in Kolkata- hence he can only work in Agra while Gimi must be working in Kolkata. The finalized grid would look as below:

Person	City	Profession
Gimi	Kolkata	Fashion Designer
Harish	Gandhinagar	Choreographer
Javed	Bhopal	Painter
Kandarp	Agra	Photographer
Luv	Chandigarh	Builder
Moni	Delhi	Auditor
Nitin	Lucknow	Teacher

The answers are:

- 27. Moni is the auditor. Option (d) is correct.
- 28. None of the given combinations is correct. Option (d) is correct.
- 29. Nitin is working in Lucknow. Option (d) is correct.
- 30. Option (b) is correct.
- 31. Luv is the builder. Option (d) is correct.

Solutions to Questions 32 to 35: After putting the given data in, the appropriate grid for this question would look as follows:

Actor	City	Airline
Om		
Puri	Chandigarh	Kingfisher
Qadir	Mumbai	
Ruk Ruk	Bangalore	MDLR Airlines
		<i>Contd</i>
Sanjay		Air Deccan
Tina	Bhopal	Go Air
Usman		

At this point, the missing pieces pertain to the following cities/ Airlines:

Cities left: Agra, Indore, Gandhinagar

Airlines left: Indigo Airlines, MDLR Airlines Express, Jetlite.

Since we know that Agra cannot be Om and neither Sanjay, it leaves us only Usman who can go to

Agra. Also, the one traveling to Gandhinagar does not travel by Air Deccan. This can only mean that Air Deccan (and Sanjay) must be going to Indore and hence, Om would be going to Gandhinagar. Since, Om is going to Gandhinagar, he cannot be going by MDLR Airlines Express. The table converts to the following (Note: We are not able to resolve the exact airline used by Om, Qadir and Usman.)

Actor	City	Airline
Om	Gandhinagar	Indigo/ Jetlite
Puri	Chandigarh	Kingfisher
Qadir	Mumbai	
Ruk Ruk	Bangalore	MDLR Airlines
Sanjay	Indore	Air Deccan
Tina	Bhopal	Go Air
Usman	Agra	

The answers can be read off this table:

- 32. It can be either Qadir or Usman. Hence, option (d) is correct.
- 33. Om goes to Gandhinagar. Option (a) is correct.
- 34. Sanjay who goes by Air Deccan visits Indore. Option (b) is correct.
- 35. Option (c) is correct.

Solutions to Questions 36 to 40: The ideal starting grid structure for this question would be:

	Shift I	Shift II	Shift III
Monday			
Tuesday			
Wednesday			
Thursday			
Friday			
Saturday			
Sunday			

We have direct information about the shifts of Mini, Pia, Rita and Sumant. We also have direct information about the weekly offs of Sumant, Rita and Pia. Placing this information into the above table we would get:

	Shift I	Shift II	Shift III

Monday	Sumant off	Rita, Mini	Pia
Tuesday	Sumant	Rita, Mini	Pia
Wednesday	Sumant	Rita, Mini	Pia
Thursday	Sumant	Rita, Mini	Pia
Friday	Sumant	Rita off, Mini	Pia
Saturday	Sumant	Rita, Mini	Pia
Sunday	Sumant	Rita, Mini	Pia off

At this point we should be thinking about the following:

- (i) The shifts and weekly offs for Lina, Nita and Queen & (ii) the weekly off for Mini (iii) We also realize that of the remaining 3 people who have to be allocated to shifts, each of them has to be allocated only to either shift I or shift III (as it is given that Shift II has only Mini and Rita.)
- (iv) Of the remaining 3 people whose shifts have to be decided, two would need to go into any one of the two remaining shifts while the third would go to the other shift. Thus, between shifts I and III, one of them would have to have 2 people working in it while the other shift would have 3 people working in it.
- (v) The weekly offs for 4 people – hence for four days is still not known. These are Tuesday, Wednesday, Thursday and Saturday.

In order to move ahead in completing the table we have:

Lina and Pia do not work in the same shift – meaning that Lina should be working in Shift I and her weekly off is Tuesday. Also, Queen’s weekly off being on the next day to Lina’s weekly off, her weekly off must be on Wednesday. Further Queen should be working in a shift different from Lina—so since Lina is in shift I, Queen would be in Shift III. (Remember that shift II has been completely filled up).

With this information placed the solution grid would become as below:

	Shift I	Shift II	Shift III
Monday	Sumant off, Lina	Rita, Mini	Pia, Queen
Tuesday	Sumant, Lina off	Rita, Mini	Pia, Queen
Wednesday	Sumant, Lina	Rita, Mini	Pia, Queen off
Thursday	Sumant, Lina	Rita, Mini	Pia, Queen
Friday	Sumant, Lina	Rita off, Mini	Pia, Queen
Saturday	Sumant, Lina	Rita, Mini	Pia off, Queen
Sunday	Sumant, Lina	Rita, Mini	Pia , Queen

At this point in our solution:

We still need to place Nita and her weekly off, as well as decide on Mini’s weekly off. We still need to decide whose weekly off between Nita and Mini is on Thursday and whose is on Sunday. We also need to decide the one shift that has 3 people working. (Note: Since there are 7 officers and 3 shifts with a minimum of 2 officers per shift- it means that one of the shifts would have 3 officers and the other two would have 2 officers each.)

The clue that helps us decide on these unknowns in the table is:

The one who has a weekly off on Sunday works in the first shift.

This means that Mini cannot have her weekly off on Sunday—hence her weekly off is on Thursday. Also, Nita must be a first shift worker and her weekly off is on Sunday. The solution grid gets completed as below:

	Shift I	Shift II	Shift III
Monday	Sumant off, Lina, Nita	Rita, Mini	Pia, Queen
Tuesday	Sumant, Lina off, Nita	Rita, Mini	Pia, Queen
Wednesday	Sumant, Lina, Nita	Rita, Mini	Pia, Queen off
Thursday	Sumant, Lina, Nita	Rita, Mini off	Pia, Queen
Friday	Sumant, Lina, Nita	Rita off, Mini	Pia, Queen
Saturday	Sumant, Lina, Nita	Rita, Mini	Pia off, Queen
Sunday	Sumant, Lina, Nita off	Rita, Mini	Pia , Queen

The answers can now be read off the above table:

- 36. It is Nita whose weekly off is on Sunday. Option (d) is correct
- 37. Option (d) is correct.
- 38. Mini’s weekly off is on Thursday. Option (b) is correct.
- 39. Option (a) is correct.
- 40. Option (a) is correct.