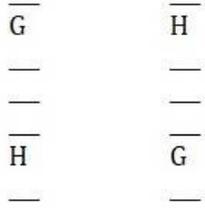


## Solutions

### Solution (1-5):

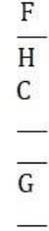
Three boxes are between H and G and neither of them is at the top or bottom position.



#### Case 1                  Case 2

Two boxes are between G and C. Two boxes are between F and C and box F is above box C. In case 1, box C must be below box G but box F cannot be below C and box F's position is occupied by box G so case gets rejected.

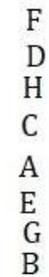
In case 2, box C must be above box G.



#### Case 2

The number of boxes is between A and H is same as A and G. So box A just below box C. Box D is above box E and more than one box is between D and E. Box E is not at the bottom position. So box D is just below box F and box B must be at the bottom position.

**Here is the final arrangement:**



#### Case 2

1. Ans. B

Box F is at the top position.

Hence, option B.

2. Ans. B

One box is between box C and E.

Hence, option B.

3. Ans. C

Box H is 3<sup>rd</sup> from the top.

Hence, option C.

4. Ans. D

Box D is not below box C.

Hence, option D.

5. Ans. A

Box G is just above box B.

Hence, option A.

### Solution (6-10):

F is 31 years old and B is 26 years old. H is elder to F so H is either 34 or 38 years old. D is 5 years elder to G so only two combinations have 24-29 and 29-34. One person lives between G and the one who is 24 years old so G cannot be 24 years old then G is 29 years old and D is 34 years old. Now H is 38 years old. The difference of age between A and C is same as difference between D and H so 4 years is difference between D and H now A or C age is 20 or 24 years old. Now we can see that E is 27 years old.

F lives three floors above the one who is 27 years old. C lives just above F. C lives on an odd numbered floor so C either lives on 7<sup>th</sup> or 5<sup>th</sup> floor.

**If C lives on 7<sup>th</sup> floor** then the one who is 27 years old i.e. E lives on 3<sup>rd</sup> floor. The one who is 34 years old is living on top floor so D lives on 8<sup>th</sup> floor. The number of floors above D is same as below E then E must live on 1<sup>st</sup> floor but E lives on 3<sup>rd</sup> floor so that case gets rejected.

**If C lives on 5<sup>th</sup> floor**, then E lives on 1<sup>st</sup> and F lives on 4<sup>th</sup> floor and D lives on 8<sup>th</sup> floor. Difference of age between A and B is at least 3 years so A is 20 years old and C is 24 years old. One person lives between G and the one who is 24 years old so either G lives on 7<sup>th</sup> or 3<sup>rd</sup> floor. The number of floors between G and C is same as A and E now G must live on 7<sup>th</sup> and A lives on 3<sup>rd</sup> floor. B lives just above the one who is 24 years old. So B lives on 6<sup>th</sup> and H lives on 2<sup>nd</sup> floor.

**Here is the final table:**

Floor	Person	Age
8	D	34
7	G	29
6	B	26
5	C	24
4	F	31
3	A	20
2	H	38
1	E	27

6. Ans. A

No one lives between G and D.

Hence, option A.

7. Ans. B

C is 24 years old.

Hence, option B.

8. Ans. B

H lives on 2<sup>nd</sup> floor.

Hence, option B.

9. Ans. D

A is not elder to E.

Hence, option D.

10. Ans. E

All the persons live on an even numbered floor except A.

Hence, option E.

**Solution (11-15):**

**Step 1:** First of all we will find the stack of boxes, Using statements

Purple color box is kept at one of odd position. Four boxes are kept between green and purple color boxes. There are five boxes blue and black color boxes and both are at odd positions. Green color box is at one of the position above black color box. Orange color box is kept between yellow and white colored box. There are three boxes between yellow and red color box.

8	Green		
7	Black		
6	Yellow		
5	Orange		
4	White		
3	Purple		
2	Red		
1	Blue		

**Step 2:** Now we will find the sequence of fruits kept in each box, using statements

Grapes are kept in a box placed at one of the odd position. There are three boxes between boxes containing grapes sapodilla. There are two boxes between box containing apple and grapes. The box containing guava is placed between boxes containing mangoes and peers. There are two boxes between boxes of mangoes and banana. The box of apple is kept at one of the position above box of guava.

8	Green	Apple	
7	Black	Banana	
6	Yellow	Orange	
5	Orange	Grapes	
4	White	Mangoes	
3	Purple	Guava	
2	Red	Peers	
1	Blue	Sapodilla	

**Step 3:** Now we will find the Days of consuming these fruits, using statements

The fruit in black color box is to be taken on Tuesday. The peers are to be taken after two days of banana. Apple is to be taken on one of the day before grapes. The fruits of yellow and orange boxes are to be taken on same days. Mangoes are to be taken after peers but before guava. The fruits of blue color box are to be taken on one day before peers.

8	Green	Apple	Monday
7	Black	Banana	Tuesday
6	Yellow	Orange	Wednesday
5	Orange	Grapes	Wednesday
4	White	Mangoes	Saturday
3	Purple	Guava	Sunday
2	Red	Peers	Friday
1	Blue	Sapodilla	Thursday

11. Ans. B

On Wednesday both orange and grapes are to be taken.

12. Ans. D

White colored box is kept at fourth position.

13. Ans. B

Peers are kept in Red colored box.

14. Ans. A

Apple is to be taken on Monday.

15. Ans. C

Except Blue are kept on even positions.

**Solution (16-20):**

- E is going to visit Delhi and A is going to visit Jaipur. F is going to visit Goa.
- C is not going to visit Pune or Bhopal.
- B is not going to visit Pune or Mumbai.
- G is not going to visit Mumbai or Bhopal. G is not going to visit Pune or Indore.
- H is not going to visit Pune, Mumbai or Indore.

Person	Cities
A	Jaipur
B	Pune(x)Mumbai(x)
C	Pune(x)Bhopal(x)
D	
E	Delhi
F	Goa
G	Pune(x)Mumbai(x) Bhopal(x)Indore(x)
H	Pune(x)Mumbai(x) Indore(x)

**(x)-means not going**

Now D must going to Pune. C must going to Mumbai. H must going to Bhopal. G is not going to Indore then B is going to Indore and G is going to Kolkata.

**Here is the final table:**

Person	Cities
A	Jaipur
B	Indore
C	Mumbai
D	Pune
E	Delhi
F	Goa
G	Kolkata
H	Bhopal

16. Ans. E  
G is going to Kolkata.  
Hence, option E.
17. Ans. B  
B is going to Indore.  
Hence, option B.
18. Ans. C  
H is going to Bhopal.  
Hence, option C.
19. Ans. D  
B is not going to Mumbai.  
Hence, option D.
20. Ans. C  
C is going to visit Mumbai.  
Hence, option C.

**Solution (21-25):**

Person	Car	Price
A	Nano	2 lk
B	WagonR	4 lk
C	Swift	5 lk
D	Alto	3 lk
E	Honda city	10 lk
F	Benz	12 lk
G	Audi	13 lk

**Case 1:**

When we follow the above conditions and reach to the information where Car below Honda City is less but none the car above it, which is not fit in particular condition so abort this condition.

Person	Car	Price
A		2 lk
B		
C	Swift	5 lk
D	WagonR	4 lk
E	Nano	
F	Benz	12 lk
G	Audi	13 lk

**Case 2:**

When we follow the above conditions and reach to the information where Car below Honda City is less but none the car above it, which is not fit in particular condition so abort this condition.

Person	Car	Price
A	Audi	2 lk
B	Alto	3 lk
C	Swift	5 lk
D	WagonR	4 lk
E	Nano	13 lk
F	Benz	12 lk
G	Honda city	10 lk

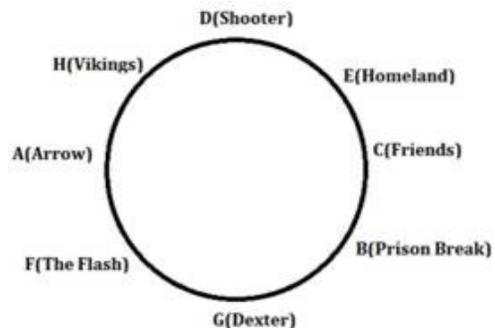
**Case 3:**

Case 3 follows the above conditions.

Person	Car	Price
A	Nano	2 lk
B	WagonR	4 lk
C	Swift	5 lk
D	Alto	3 lk
E	Honda city	10 lk
F	Benz	12 lk
G	Audi	13 lk

21. Ans. B  
22. Ans. D  
23. Ans. C  
24. Ans. B  
25. Ans. E

**Solution (26-30):**



26. Ans. A  
G likes dexter.
27. Ans. A  
A is sitting third to the left of B.
28. Ans. D  
4 people are sitting between C & H when counted in clockwise direction from C.

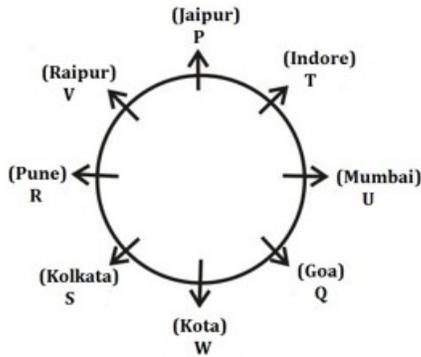
29. Ans. E

Apart from F, every other person in the given options has been associated with the likes of the person sitted diagonally opposite to that person. Hence F-Friends is not associated correctly.

30. Ans. C

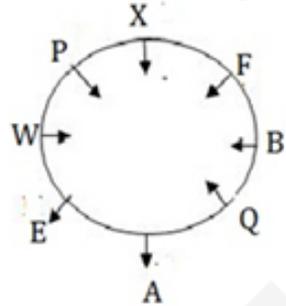
The one who likes Friends is sitting exactly between the one who likes Homeland and the one who likes prison break hence option III is not correct.

**Solution (31-35):**



- 31. Ans. A
- 32. Ans. A
- 33. Ans. E
- 34. Ans. D
- 35. Ans. C

**Solution (36-40):**



- 36. Ans. B
- 37. Ans. A
- 38. Ans. C
- 39. Ans. D
- 40. Ans. C

**Solution (41-45):**

• Q is immediate left of N and 20 years old. So we know that age is multiple of 4 and increasing in that order so N age must be 24 years old. O is 32 years old. One person sits between O and N. So O must be right to N because O is older than N.

Q	N		O
20	24	28	32

• Two persons sit between M and N. M is younger than N. So M must be left to N and must be 12 years old.

M		Q	N	O
12	16	20	24	28

• R is elder than P but younger than S. So we know that S is older than both of them. We get 2 cases- P either sit immediate right or immediate left of M. If P sit immediate left of M so P must be 8 years old and R must be 16 years old and S must be 28 years old but we know that S cannot be 28 years old so P cannot sit immediate left of M. So P must sit immediate right of M so P is 16 years old and R is 28 years old and S will sit immediate right of O so S is 36 years old.

**Here is the final arrangement:**

M	P	Q	N	R	O	S
12	16	20	24	28	32	36

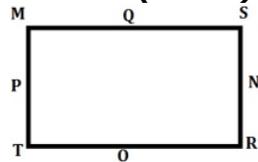
- 41. Ans. C  
S is the eldest.
- 42. Ans. B  
M is 12 years old and Q is 20 years old. 12+20=32.
- 43. Ans. C  
M and S sit at the ends.
- 44. Ans. C  
Only O and S are elder than R.
- 45. Ans. D  
P is 16 years old and Q is 20 years old.

**Solution (46-50):**

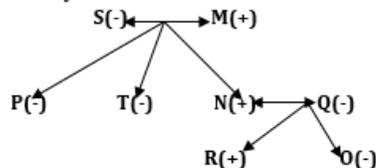
R(Red)	T(Blue)	Q(Yellow)	P(Orange)	S(Green)
K(White)	J(Black)	N(Pink)	M(Grey)	L(Violet)

- 46. Ans. E
- 47. Ans. D
- 48. Ans. A
- 49. Ans. B
- 50. Ans. C

**Solution (51-55):**



**Family Tree:**

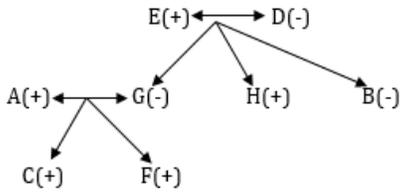


- 51. Ans. B
- 52. Ans. C
- 53. Ans. D
- 54. Ans. C
- 55. Ans. A

**Solution (56-60):**

- A is son-in-law of D. F is grandson of D and E is grandfather of C. So E is husband of D.
- G has two sons. We know that there is only two couples in the family so one is E and D and other must be A and G. So A is husband of G.
- G has two sons they must be C and F because F and G are grandsons of E and D. B is aunt of C so B must be sister of G.
- E has only one son and two daughters so H must be son of E.

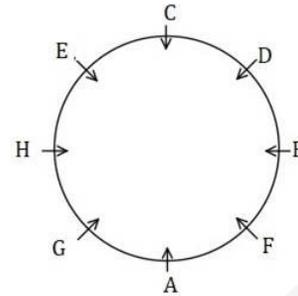
**Family Tree:**



- F is immediate right of A. H's brother-in-law sits 2<sup>nd</sup> to the right of H. H's brother-in-law is A so A is 2<sup>nd</sup> to the right of H. F's aunt sits opposite to H. F's aunt is B so B sits opposite to H.
- E is 3<sup>rd</sup> to the right of B. Two females are sitting opposite to each other. D and G are two other

females so they sit opposite, D is not neighbor of H so G is exactly between H and A at the rest position C is sitting there.

**Here is the final arrangement:**



- 56. Ans. E
- All the persons are males except G.
- 57. Ans. B
- G is mother of F.
- 58. Ans. C
- F's brother who is C sits 3<sup>rd</sup> to the right of F.
- 59. Ans. D
- C and A sit opposite to each other.
- 60. Ans. C
- B sits exactly between D and F.

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