

1. Questions

Study the following information carefully and answer the given questions.

Six persons viz.- P, Q, R, S, T, and V are sitting in a linear row and all are facing north. They are wearing different brands of shoes viz., Puma, Bata, Nike, Fila, Asics, and Vans.

Only two persons sit between Q and the one who wears Vans. T sits second to the left of the one who wears Vans. The one who wears Nike sits immediate right of T. The number of persons sitting to the right of the one who wears Nike is **one more** than the number of persons sitting to the left of S. Only one person sits between R and S. V sits second to the right of the one who wears Fila. Neither P nor Q wears Puma. The one who wears Bata does not sit to the right of the one who wears Puma.

The number of persons sitting to the right of the one who wears Fila is two more than the number of persons sitting between ___ and ___.

- a. Q and the one who wears Nike
- b. T and P
- c. S and the one who wears Asics
- d. R and V
- e. Q and P

2. Questions

Which of the following combination is true?

- a. Q - Fila
- b. S - Vans
- c. V - Asics
- d. R – Puma
- e. P – Bata

3. Questions

S sits ___ of Q and second to the left of ___.

- a. Third to the left; P
- b. Second to the right; R
- c. Immediate left; V
- d. Third to the right; T
- e. Second to the right; P

4. Questions

Who among the following person does not sit to the right of the one who wears Fila?

- a. S
- b. V
- c. R
- d. P
- e. Q

5. Questions

If T and R exchanged their shoes and Q and V exchanged their shoes, then V and T did the same, then V wears which among the following brands of shoe?

- a. Puma
- b. Bata
- c. Fila
- d. Nike
- e. Vans

6. Questions

Study the following information carefully and answer the given questions.

Seven persons travelled to the USA on different days starting from Sunday to Saturday of the same week. Only one person travelled to the USA on each day.

E travelled to USA before Wednesday. Only two persons travelled between I and E. H travelled to USA two days before I. The number of persons travelled to USA after H is **one less** than the number of persons travelled to USA before K. F travelled before G but not immediately before. At-least one person travelled between G and J, who did not travel before G.

Who among the following person travelled to USA two days after F?

- a. E
- b. J
- c. H
- d. K
- e. I

7. Questions

Which of the following statement(s) is/are TRUE as per the given arrangement?

I). G travelled on Wednesday

II). As many persons travelled before F as after J

III). One person travelled between H and G

- a. Only I and III
- b. Only II
- c. Only II and III
- d. Only I and II
- e. Only I

8. Questions

How many persons travelled between E and K?

- a. As many persons travelled before G
- b. Two
- c. None
- d. As many persons travelled between F and K
- e. One

9. Questions

If E is related to H and I is related to K in a certain way, then in the same way who among the following person is related to G?

- a. I
- b. E
- c. J
- d. K
- e. H

10. Questions

If all the persons travelled to the USA in alphabetical order starting from Sunday, then how many persons remain unchanged?

- a. Two
- b. One
- c. None
- d. Three
- e. More than three

11. Questions

Study the following information carefully and answer the given questions.

Eight people - P, Q, R, S, T, U, V and W went to the hospital on two different dates either 4th or 19th of four different months viz., March, June, August, and November of the same year. Only one person went to the hospital on each date and only two persons went to the hospital in each month.

P went to the hospital two people before Q, who went in the month having 31 days. Only two people went between P and T. V went to the hospital immediately after T. As many people went to the hospital before V as after S. U went to the hospital in the month having only 30 days. W went one of the months after U but on different dates.

V went to the hospital in which of the following month and date?

- a. 4th March
- b. 19th June
- c. 4th August
- d. 19th March
- e. 4th November

12. Questions

The number of people went to the hospital before R is one less than the number of people went to the hospital after ____.

- a. V
- b. U
- c. P
- d. W
- e. Q

13. Questions

Who among the following person went two people after U?

- a. The one who went on 19th August
- b. T
- c. The one who went immediately before Q
- d. W
- e. P

14. Questions

Four of the following five are alike in a certain way based on the given arrangement and thus form a group. Which one of the following does not belong to the group?

- a. UR
- b. VP
- c. ST
- d. WQ
- e. PR

15. Questions

Who among the following person went three months after Q?

- a. W
- b. V
- c. P
- d. U
- e. T

16. Questions

Study the following information carefully and answer the given questions.

Nine persons – A, B, C, D, E, F, G, H and I are sitting around a circular table facing the centre.

Only two persons sit between D and G (either from left or right). A sits second to the left of G. F sits third to the right of A. Only three persons sit between H and F, when counted from the right of F. E sits immediate left of H. I sits third to the left of B but does not sit second to the right of C.

What is the position of E with respect to A?

- a. Third to the right
- b. Fifth to the left
- c. Third to the left
- d. Fifth to the right
- e. Sixth to the left

17. Questions

Who among the following person sits second to the left of the one who sits immediate right of C?

- a. The one who sits second to the right of G
- b. I

- c. A
- d. The one who sits second to the left of H
- e. F

18. Questions**How many persons sit between F and H?**

- a. Three
- b. Four
- c. Five
- d. Either a or b
- e. Either a or c

19. Questions**If all the persons are made to sit in alphabetical order from A in a clockwise direction, then who among the following person remains unchanged from their initial position?**

- a. F
- b. I
- c. G
- d. D
- e. H

20. Questions**Which of the following statement(s) is/are not TRUE as per the given arrangement?**

- a. F sits third to the right of A
- b. B sits second to the left of E
- c. D and I are immediate neighbours of A
- d. C sits third to the left of D
- e. None of the statement is false

21. Questions**Study the following information carefully and answer the given questions.**

Eight persons - A, B, C, D, E, F, G, and H are bought different number of plants. C bought more plants than E but less than G. B bought less plants than F. A bought less plants than H, who bought less plants than B. D bought more plants than C but less than F, who did not buy the highest numbers of plants. E did not buy less plants than B but less than D. The one who bought the second highest number of plants bought

137 plants and the one who bought the lowest number of plants bought 63 plants.

If E bought 19 plants less than that of F and B bought 13 plants more than that of A, then what is the total number of plants bought by E, B, and A?

- a. 157
- b. 267
- c. 156
- d. 257
- e. 356

22. Questions

Who among the following person bought the third lowest number of plants?

- a. H
- b. B
- c. A
- d. E
- e. D

23. Questions

If the sum of the number of plants bought by A and C is 189 and the average number of plants bought by F and B is 126, then what is the difference between the number of plants bought by B and C?

- a. 24
- b. 13
- c. 11
- d. 16
- e. 12

24. Questions

Study the following information carefully and answer the given questions.

Six students – P, Q, R, S, T, and U scored different marks in Mathematics. P scored more marks than Q but less marks than R and T. S scored more marks than R but did not score the highest marks. Only two students scored more marks than T. The one who scored the second highest marks scored 98 marks.

The sum of the marks scored by both S and T is 174 and the difference between the marks scored by S and Q is 55, then what is the sum of the marks scored by both Q and T?

- a. 33

- b. 128
- c. 118
- d. 129
- e. 119

25. Questions

As many students scored more marks than T as less than ____.

- a. R
- b. S
- c. P
- d. U
- e. Q

26. Questions

In the given questions, the relationship between different elements is shown in the statements followed by some conclusions. Find the conclusion which is definitely true.

Statements

$A = E \geq R \geq T > H; W \geq O \leq R > L = D; F > C = J > K = D > M$

Conclusions

- I). $A < J$
- II). $E \geq C$
 - a. Only conclusion I is true
 - b. Either conclusion I or II is true
 - c. Both conclusions I and II are true
 - d. Only conclusion II is true
 - e. Neither conclusion I nor II is true

27. Questions**Statement**

$R > F \geq V < T \leq G > B = Y \geq H > N$

Conclusions

- I). $G > H$
- II). $F > Y$

- a. Only conclusion II is true
- b. Either conclusion I or II is true
- c. Both conclusions I and II are true
- d. Only conclusion I is true
- e. Neither conclusion I nor II is true

28. Questions**Statements**
$$E < D \geq C = R \geq F < V; Y \geq H = N \geq R < J < M$$
Conclusions**I). $E < J$** **II). $F \leq Y$**

- a. Only conclusion I is true
- b. Either conclusion I or II is true
- c. Only conclusion II is true
- d. Both conclusions I and II are true
- e. Neither conclusion I nor II is true

29. Questions**Statements**
$$P \geq R > I = N \leq T < E; B \geq A > K < I = M; V > N \leq A \geq X < U$$
Conclusions**I). $T > X$** **II). $N \leq P$**

- a. Only conclusion I is true
- b. Either conclusion I or II is true
- c. Both conclusions I and II are true
- d. Only conclusion II is true
- e. Neither conclusion I nor II is true

30. Questions**Statements**
$$S \geq T > A < N \leq D; W > O \geq D \leq M = E < R$$

Conclusions

I). $E \geq N$

II). $A < W$

- a. Both conclusions I and II are true
- b. Either conclusion I or II is true
- c. Only conclusion I is true
- d. Only conclusion II is true
- e. Neither conclusion I nor II is true

31. Questions

Study the following information carefully and answer the given questions.

Two friends SK and Raj are going to the same theatre from different points. SK starts walking from point A towards the north and walks for 6m to reach point B. Then he takes a right turn and walks for 9m to reach point C, where he turns to the right and walks for 5m to reach point F. Then he again takes a left turn and walks for 7m to reach point theatre.

Raj starts walking from point Q towards the east and walks for 6m to reach point P, then he takes a left turn and walks for 10m to reach point D. Then, he again takes a left turn and walks for 7m to reach point M, where he turns to the right and walks for 12m to reach point theatre.

What is the direction of SK's initial point with respect to point M?

- a. East
- b. North-east
- c. North-west
- d. South-east
- e. South

32. Questions

What is the shortest distance between point B to the theatre (approximately)?

- a. 18m
- b. 16m
- c. 14m
- d. 17m
- e. 15m

33. Questions

Four of the following five pairs of points are alike in a certain way based on the directions in the given arrangement and thus form a group. Which one of the following does not belong to the group?

- a. MQ
- b. CM
- c. FQ
- d. BP
- e. QD

34. Questions

Study the following information carefully and answer the given questions.

Point A is 6m north of point D. Point T is 9m east of point F, which is 14m south of point D. Point K is 8m north of point T. Point M is 11m west of point K. Point J is 7m north of point M.

If point Y is 11m east of point J, then what is the shortest distance between point Y and point F?

- a. $\sqrt{304}$ m
- b. $\sqrt{306}$ m
- c. $\sqrt{310}$ m
- d. $\sqrt{345}$ m
- e. None of these

35. Questions

What is the direction of point D with respect to point T?

- a. North-west
- b. South-east
- c. North
- d. South-west
- e. North-east

36. Questions

Study the following statements and then decide which of the given conclusions logically follows from the given statements disregarding the commonly known facts.

Statements:

Only a few Sun is Hut. Only a few Shed is Hut. Some CPUs are Shed

Conclusions:

I). Some Huts are CPU

II). No Sun being Shed is a possibility

III). All CPU can never be Hut

- Only conclusions I and II follow
- Only conclusion II follows
- Only conclusions I and III follow
- Only conclusion III and either conclusion I or II follows
- All conclusions I, II, and III follow

37. Questions

Statements:

Only a few Cards are Black. All Black are Empty. Only a few Empty is Pipe.

Conclusions

I). Some Cards are definitely not Empty.

II). No Black is Pipe.

III). Some Pipes are Black.

- Only conclusions I and II follow
- Only conclusion II follows
- Only conclusions I and III follow
- Either conclusion II or III follows
- All conclusions I, II, and III follow

38. Questions

Statements:

Only a few Turbo is Vowel. All Words are Vowel. No Drum is a Word.

Conclusions

I). Some Turbo is not Drum is a possibility

II). No Word is Turbo

III). All Drums may be Vowels

- Only conclusions I and II follow
- Only conclusion II follows
- Only conclusions I and III follow

- d. Only conclusion I follows
- e. All conclusions I, II, and III follow

39. Questions

Statements:

Only Arrow is Ponds. Only a few Nivea is Foils. Only a few Foils are Arrow.

Conclusions

- I). Some Arrow is not Foils
- II). All Nivea can never be Arrow
- III). Some Foils may be Ponds

- a. Only conclusion I follows
- b. Only conclusions II and III follow
- c. Only conclusions I and III follow
- d. Only conclusion III and either I or II follows
- e. All conclusions I, II, and III follow

40. Questions

Statements:

Only a few Bolts are Igloo. Some Igloo is not Vivo. Only a few Rose is Vivo.

Conclusions

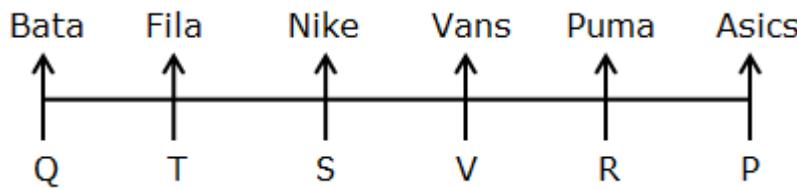
- I). Some Bolts are definitely not Vivo
- II). No Vivo is Igloo
- III). All Roses can never be Igloo

- a. Only conclusions I and II follow
- b. Only conclusion II and either I or III follows
- c. Only conclusions I and III follow
- d. Only conclusion III follows
- e. None follows

Explanations:

1. Questions

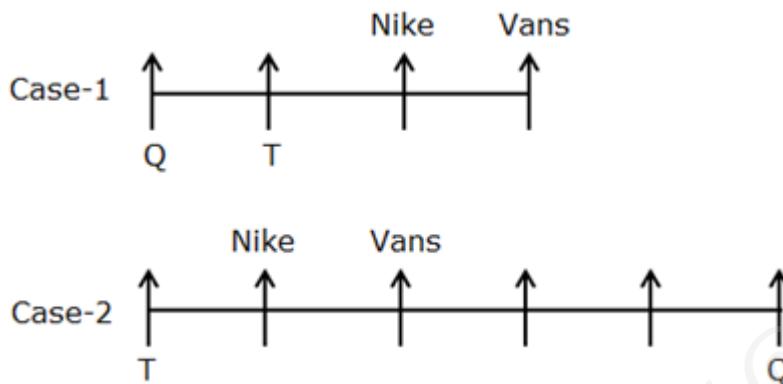
Final arrangement



We have,

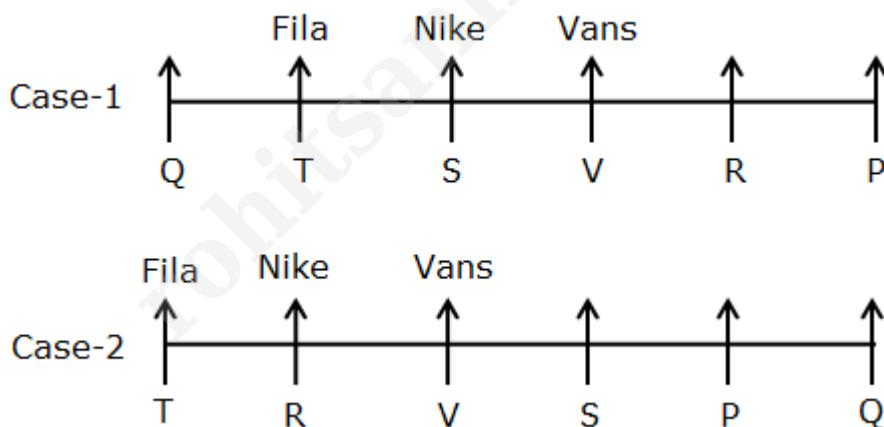
- Only two persons sit between Q and the one who wears Vans.
- T sits second to the left of the one who wears Vans.
- The one who wears Nike sits immediate right of T.

From the above conditions, there are two possibilities



Again we have,

- The number of persons sitting to the right of the one who wears Nike is **one more** than the number of persons sitting to the left of S.
- Only one person sits between R and S.
- V sits second to the right of the one who wears Fila.

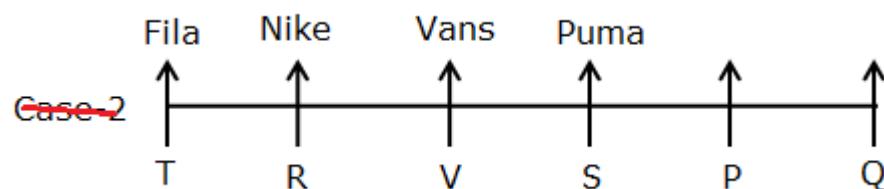
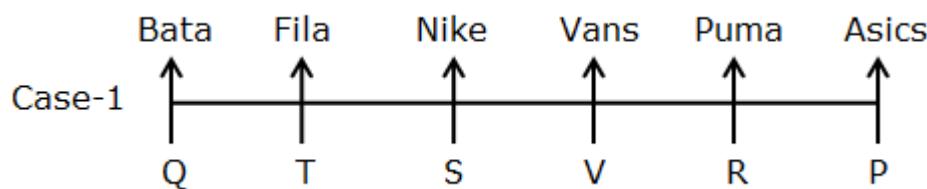


Again we have,

- Neither P nor Q wears Puma.
- The one who wears Bata does not sit to the right of the one who wears Puma.

From the above condition case-2 gets eliminated because the one who wears Bata does not sit to the right of the one who wears Puma is not satisfied.

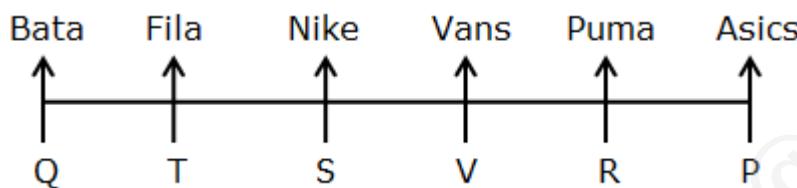
Hence Case-1 shows the final arrangement.



Answer: C

2. Questions

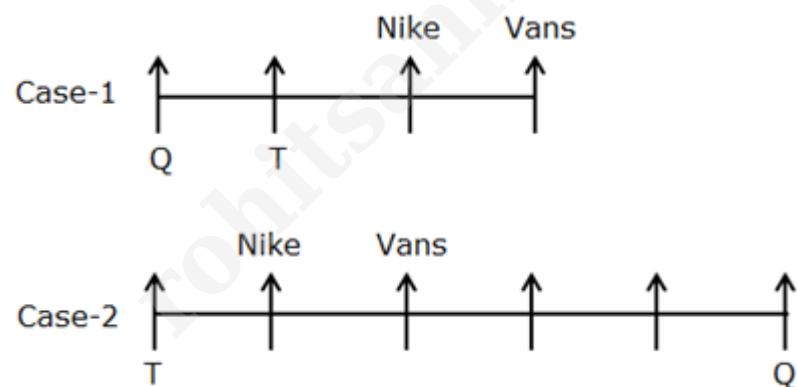
Final arrangement



We have,

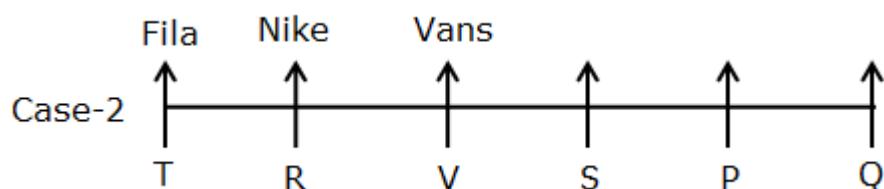
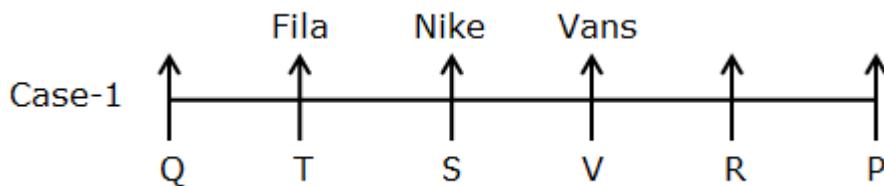
- Only two persons sit between Q and the one who wears Vans.
- T sits second to the left of the one who wears Vans.
- The one who wears Nike sits immediate right of T.

From the above conditions, there are two possibilities



Again we have,

- The number of persons sitting to the right of the one who wears Nike is **one more** than the number of persons sitting to the left of S.
- Only one person sits between R and S.
- V sits second to the right of the one who wears Fila.

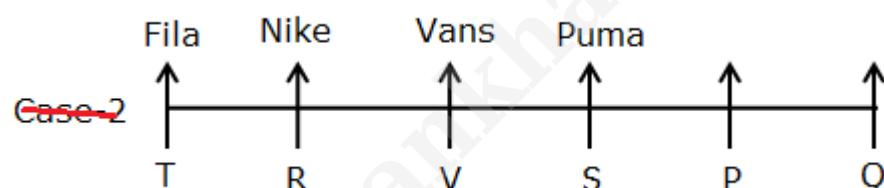
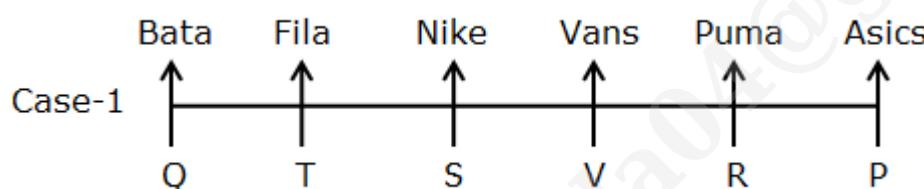


Again we have,

- Neither P nor Q wears Puma.
- The one who wears Bata does not sit to the right of the one who wears Puma.

From the above condition case-2 gets eliminated because the one who wears Bata does not sit to the right of the one who wears Puma is not satisfied.

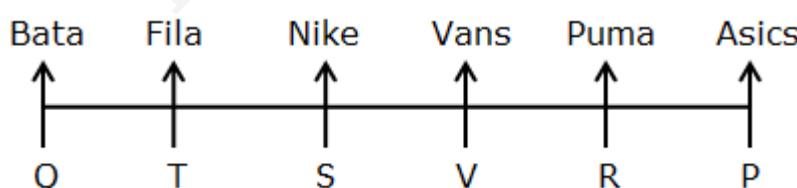
Hence Case-1 shows the final arrangement.



Answer: D

3. Questions

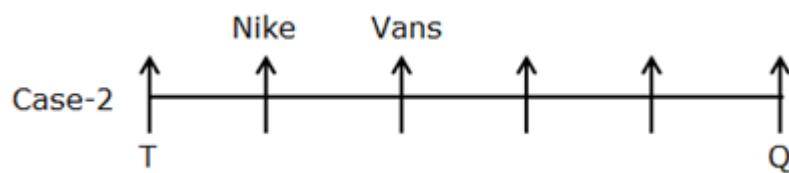
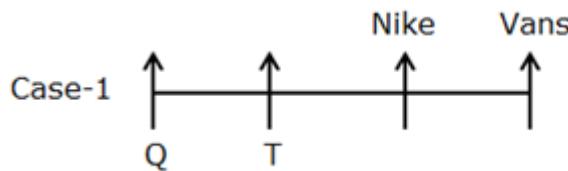
Final arrangement



We have,

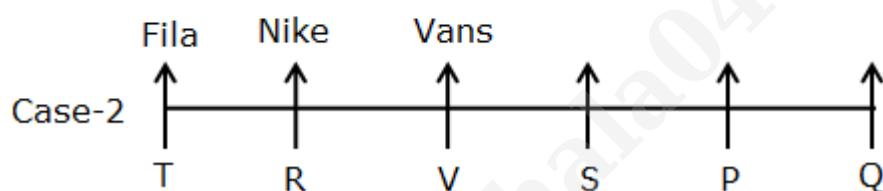
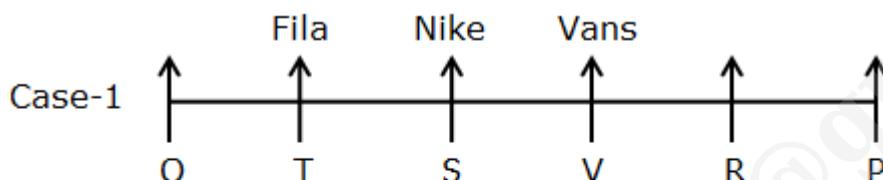
- Only two persons sit between Q and the one who wears Vans.
- T sits second to the left of the one who wears Vans.
- The one who wears Nike sits immediate right of T.

From the above conditions, there are two possibilities



Again we have,

- The number of persons sitting to the right of the one who wears Nike is **one more** than the number of persons sitting to the left of S.
- Only one person sits between R and S.
- V sits second to the right of the one who wears Fila.

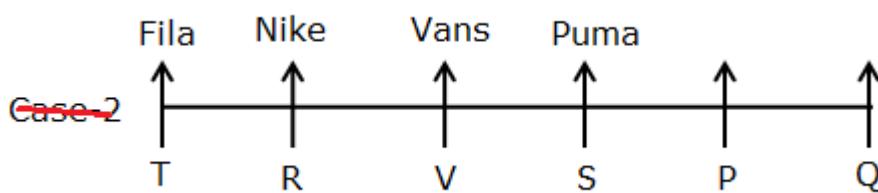
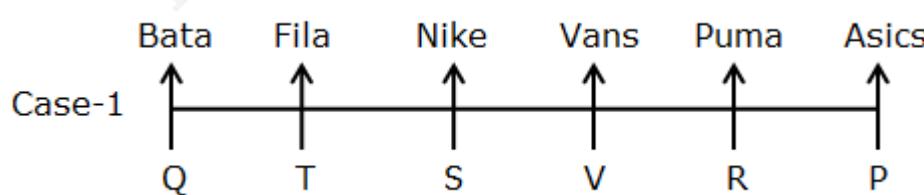


Again we have,

- Neither P nor Q wears Puma.
- The one who wears Bata does not sit to the right of the one who wears Puma.

From the above condition case-2 gets eliminated because the one who wears Bata does not sit to the right of the one who wears Puma is not satisfied.

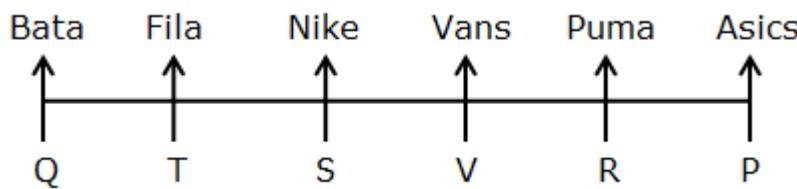
Hence Case-1 shows the final arrangement.



Answer: B

4. Questions

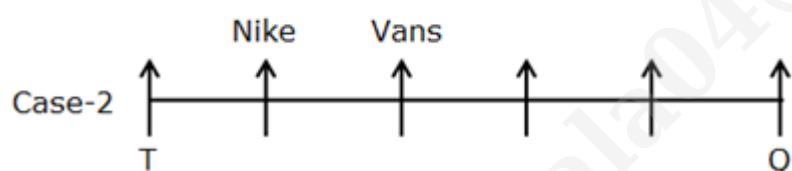
Final arrangement



We have,

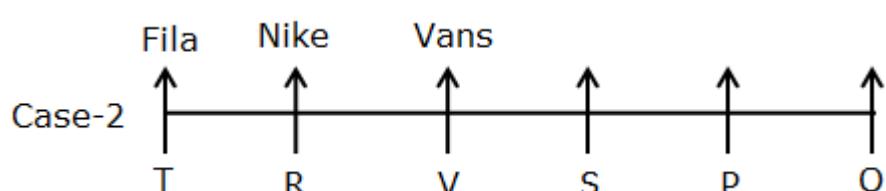
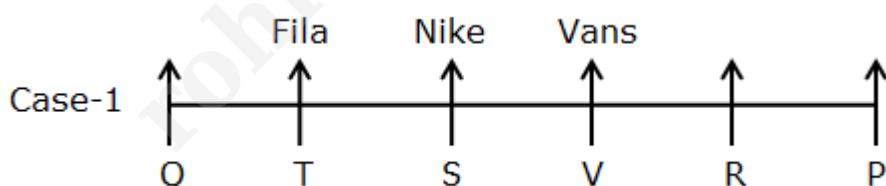
- Only two persons sit between Q and the one who wears Vans.
- T sits second to the left of the one who wears Vans.
- The one who wears Nike sits immediate right of T.

From the above conditions, there are two possibilities



Again we have,

- The number of persons sitting to the right of the one who wears Nike is **one more** than the number of persons sitting to the left of S.
- Only one person sits between R and S.
- V sits second to the right of the one who wears Fila.

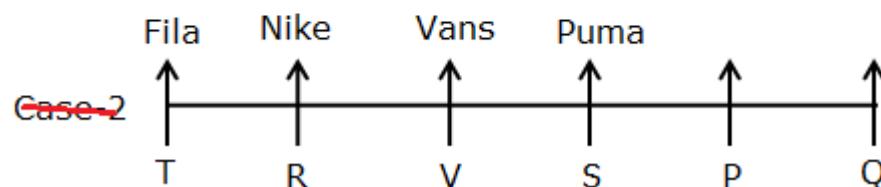
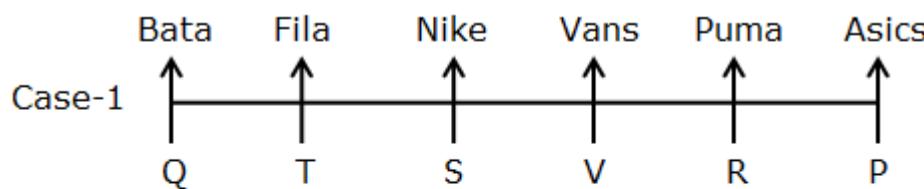


Again we have,

- Neither P nor Q wears Puma.
- The one who wears Bata does not sit to the right of the one who wears Puma.

From the above condition case-2 gets eliminated because the one who wears Bata does not sit to the right of the one who wears Puma is not satisfied.

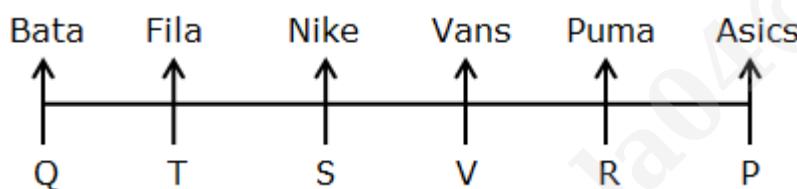
Hence Case-1 shows the final arrangement.



Answer: E

5. Questions

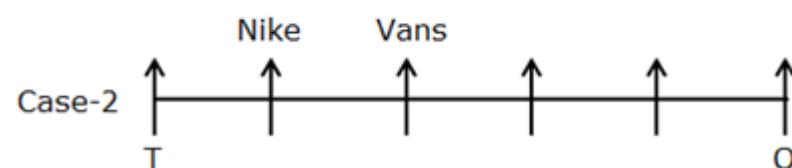
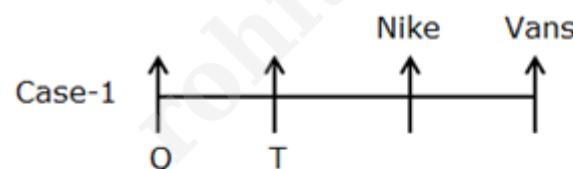
Final arrangement



We have,

- Only two persons sit between Q and the one who wears Vans.
- T sits second to the left of the one who wears Vans.
- The one who wears Nike sits immediate right of T.

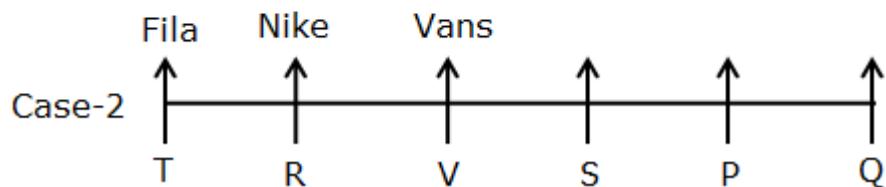
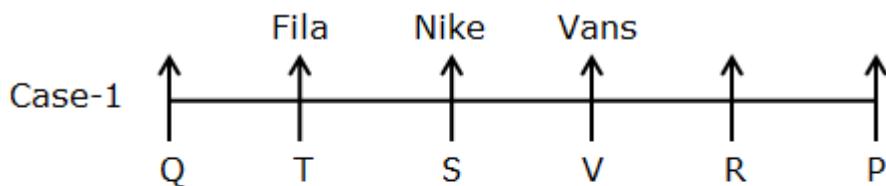
From the above conditions, there are two possibilities



Again we have,

- The number of persons sitting to the right of the one who wears Nike is **one more** than the number of persons sitting to the left of S.
- Only one person sits between R and S.

- V sits second to the right of the one who wears Fila.

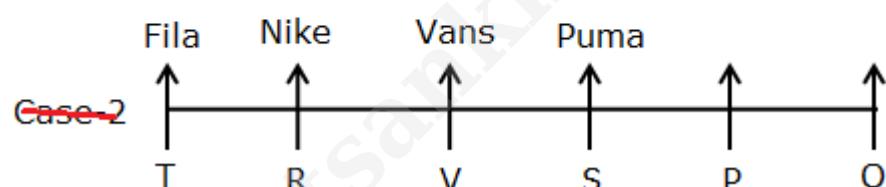
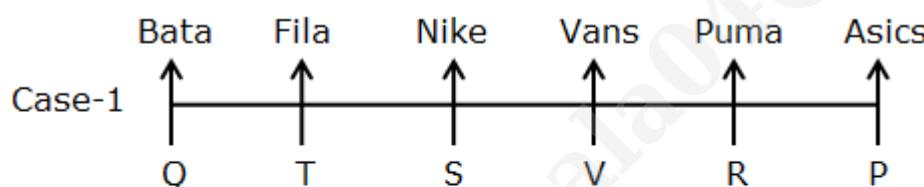


Again we have,

- Neither P nor Q wears Puma.
- The one who wears Bata does not sit to the right of the one who wears Puma.

From the above condition case-2 gets eliminated because the one who wears Bata does not sit to the right of the one who wears Puma is not satisfied.

Hence Case-1 shows the final arrangement.



Answer: A

6. Questions

Final arrangement

Days	Persons
Sunday	F
Monday	E
Tuesday	H
Wednesday	G
Thursday	I
Friday	K
Saturday	J

We have,

- E travelled to USA before Wednesday.
- Only two persons travelled between I and E.

From the above conditions, there are three possibilities

	Case-1	Case-2	Case-3
Days	Persons	Persons	Persons
Sunday	E		
Monday		E	
Tuesday			E
Wednesday	I		
Thursday		I	
Friday			I
Saturday			

Again we have,

- H travelled to USA two days before I.
- The number of persons travelled to USA after H is **one less** than the number of persons travelled to USA before K.

	Case-1	Case-2	Case-3
Days	Persons	Persons	Persons
Sunday	E		
Monday	H	E	
Tuesday		H	E
Wednesday	I		H
Thursday		I	K
Friday		K	I
Saturday	K		

Again we have,

- F travelled before G but not immediately before.
- At-least one person travelled between G and J, who did not travel before G.

From the above condition Case-1 and Case-3 get eliminated because at-least one person travelled between G and J, who did not travel before G is not satisfied.

Hence Case-2 shows the final arrangement.

	Case-1	Case-2	Case-3
Days	Persons	Persons	Persons
Sunday	E	F	F
Monday	H	E	J
Tuesday	F	H	E
Wednesday	I	G	H
Thursday	G	I	K
Friday	J	K	I
Saturday	K	J	G

Answer: C

7. Questions

Final arrangement

Days	Persons
Sunday	F
Monday	E
Tuesday	H
Wednesday	G
Thursday	I
Friday	K
Saturday	J

We have,

- E travelled to USA before Wednesday.
- Only two persons travelled between I and E.

From the above conditions, there are three possibilities

	Case-1	Case-2	Case-3
Days	Persons	Persons	Persons
Sunday	E		
Monday		E	
Tuesday			E
Wednesday	I		
Thursday		I	
Friday			I
Saturday			

Again we have,

- H travelled to USA two days before I.
- The number of persons travelled to USA after H is **one less** than the number of persons travelled to USA before K.

	Case-1	Case-2	Case-3
Days	Persons	Persons	Persons
Sunday	E		
Monday	H	E	
Tuesday		H	E
Wednesday	I		H
Thursday		I	K
Friday		K	I
Saturday	K		

Again we have,

- F travelled before G but not immediately before.
- At-least one person travelled between G and J, who did not travel before G.

From the above condition Case-1 and Case-3 get eliminated because at-least one person travelled between G and J, who did not travel before G is not satisfied.

Hence Case-2 shows the final arrangement.

	Case-1	Case-2	Case-3
Days	Persons	Persons	Persons
Sunday	E	F	F
Monday	H	E	J
Tuesday	F	H	E
Wednesday	I	G	H
Thursday	G	I	K
Friday	J	K	I
Saturday	K	J	G

Answer: D

8. Questions

Final arrangement

Days	Persons
Sunday	F
Monday	E
Tuesday	H
Wednesday	G
Thursday	I
Friday	K
Saturday	J

We have,

- E travelled to USA before Wednesday.
- Only two persons travelled between I and E.

From the above conditions, there are three possibilities

	Case-1	Case-2	Case-3
Days	Persons	Persons	Persons
Sunday	E		
Monday		E	
Tuesday			E
Wednesday	I		
Thursday		I	
Friday			I
Saturday			

Again we have,

- H travelled to USA two days before I.
- The number of persons travelled to USA after H is **one less** than the number of persons travelled to USA before K.

	Case-1	Case-2	Case-3
Days	Persons	Persons	Persons
Sunday	E		
Monday	H	E	
Tuesday		H	E
Wednesday	I		H
Thursday		I	K
Friday		K	I
Saturday	K		

Again we have,

- F travelled before G but not immediately before.
- At-least one person travelled between G and J, who did not travel before G.

From the above condition Case-1 and Case-3 get eliminated because at-least one person travelled between G and J, who did not travel before G is not satisfied.

Hence Case-2 shows the final arrangement.

	Case-1	Case-2	Case-3
Days	Persons	Persons	Persons
Sunday	E	F	F
Monday	H	E	J
Tuesday	F	H	E
Wednesday	I	G	H
Thursday	G	I	K
Friday	J	K	I
Saturday	K	J	G

Answer: A

9. Questions

Final arrangement

Days	Persons
Sunday	F
Monday	E
Tuesday	H
Wednesday	G
Thursday	I
Friday	K
Saturday	J

We have,

- E travelled to USA before Wednesday.
- Only two persons travelled between I and E.

From the above conditions, there are three possibilities

	Case-1	Case-2	Case-3
Days	Persons	Persons	Persons
Sunday	E		
Monday		E	
Tuesday			E
Wednesday	I		
Thursday		I	
Friday			I
Saturday			

Again we have,

- H travelled to USA two days before I.
- The number of persons travelled to USA after H is **one less** than the number of persons travelled to USA before K.

	Case-1	Case-2	Case-3
Days	Persons	Persons	Persons
Sunday	E		
Monday	H	E	
Tuesday		H	E
Wednesday	I		H
Thursday		I	K
Friday		K	I
Saturday	K		

Again we have,

- F travelled before G but not immediately before.
- At-least one person travelled between G and J, who did not travel before G.

From the above condition Case-1 and Case-3 get eliminated because at-least one person travelled between G and J, who did not travel before G is not satisfied.

Hence Case-2 shows the final arrangement.

	Case-1	Case-2	Case-3
Days	Persons	Persons	Persons
Sunday	E	F	F
Monday	H	E	J
Tuesday	F	H	E
Wednesday	I	G	H
Thursday	G	I	K
Friday	J	K	I
Saturday	K	J	G

Answer: E

10. Questions

Final arrangement

Days	Persons
Sunday	F
Monday	E
Tuesday	H
Wednesday	G
Thursday	I
Friday	K
Saturday	J

We have,

- E travelled to USA before Wednesday.
- Only two persons travelled between I and E.

From the above conditions, there are three possibilities

	Case-1	Case-2	Case-3
Days	Persons	Persons	Persons
Sunday	E		
Monday		E	
Tuesday			E
Wednesday	I		
Thursday		I	
Friday			I
Saturday			

Again we have,

- H travelled to USA two days before I.
- The number of persons travelled to USA after H is **one less** than the number of persons travelled to USA before K.

	Case-1	Case-2	Case-3
Days	Persons	Persons	Persons
Sunday	E		
Monday	H	E	
Tuesday		H	E
Wednesday	I		H
Thursday		I	K
Friday		K	I
Saturday	K		

Again we have,

- F travelled before G but not immediately before.
- At-least one person travelled between G and J, who did not travel before G.

From the above condition Case-1 and Case-3 get eliminated because at-least one person travelled between G and J, who did not travel before G is not satisfied.

Hence Case-2 shows the final arrangement.

	Case-1	Case-2	Case-3
Days	Persons	Persons	Persons
Sunday	E	F	F
Monday	H	E	J
Tuesday	F	H	E
Wednesday	I	G	H
Thursday	G	I	K
Friday	J	K	I
Saturday	K	J	G

Answer: B

11. Questions

Final arrangement

Month	Date	People
March	4	T
	19	V
June	4	U
	19	P
August	4	R
	19	Q
November	4	S
	19	W

We have,

- P went to the hospital two people before Q, who went in the month having 31 days.
- Only two people went between P and T.

From the above conditions, there are three possibilities

		Case-1	Case-2	Case-2(a)
Month	Date	People	People	People
March	4			T
	19			
June	4	P		
	19		P	P
August	4	Q		
	19	T	Q	Q
November	4		T	
	19			

Again we have,

- V went to the hospital immediately after T.
- As many people went to the hospital before V as after S.

		Case-1	Case-2	Case-2(a)
Month	Date	People	People	People
March	4		S	T
	19	S		V
June	4	P		
	19		P	P
August	4	Q		
	19	T	Q	Q
November	4	V	T	S
	19		V	

Again we have,

- U went to the hospital in the month having only 30 days.
- W went one of the months after U but on different dates.

From the above condition Case-1 & Case-2 get eliminated because W went one of the months after U but on different dates is not satisfied.

Hence Case-2(a) shows the final arrangement.

		Case-1	Case-2	Case-2(a)
Month	Date	People	People	People
March	4		S	T
	19	S		V
June	4	P	U	U
	19	U	P	P
August	4	Q	W	R
	19	T	Q	Q
November	4	V	T	S
	19	W	V	W

Answer: D

12. Questions

Final arrangement

Month	Date	People
March	4	T
	19	V
June	4	U
	19	P
August	4	R
	19	Q
November	4	S
	19	W

We have,

- P went to the hospital two people before Q, who went in the month having 31 days.
- Only two people went between P and T.

From the above conditions, there are three possibilities

		Case-1	Case-2	Case-2(a)
Month	Date	People	People	People
March	4			T
	19			
June	4	P		
	19		P	P
August	4	Q		
	19	T	Q	Q
November	4		T	
	19			

Again we have,

- V went to the hospital immediately after T.
- As many people went to the hospital before V as after S.

		Case-1	Case-2	Case-2(a)
Month	Date	People	People	People
March	4		S	T
	19	S		V
June	4	P		
	19		P	P
August	4	Q		
	19	T	Q	Q
November	4	V	T	S
	19		V	

Again we have,

- U went to the hospital in the month having only 30 days.
- W went one of the months after U but on different dates.

From the above condition Case-1 & Case-2 get eliminated because W went one of the months after U but on different dates is not satisfied.

Hence Case-2(a) shows the final arrangement.

		Case-1	Case-2	Case-2(a)
Month	Date	People	People	People
March	4		S	T
	19	S		V
June	4	P	U	U
	19	U	P	P
August	4	Q	W	R
	19	T	Q	Q
November	4	V	T	S
	19	W	V	W

Answer: B

13. Questions

Final arrangement

Month	Date	People
March	4	T
	19	V
June	4	U
	19	P
August	4	R
	19	Q
November	4	S
	19	W

We have,

- P went to the hospital two people before Q, who went in the month having 31 days.
- Only two people went between P and T.

From the above conditions, there are three possibilities

		Case-1	Case-2	Case-2(a)
Month	Date	People	People	People
March	4			T
	19			
June	4	P		
	19		P	P
August	4	Q		
	19	T	Q	Q
November	4		T	
	19			

Again we have,

- V went to the hospital immediately after T.
- As many people went to the hospital before V as after S.

		Case-1	Case-2	Case-2(a)
Month	Date	People	People	People
March	4		S	T
	19	S		V
June	4	P		
	19		P	P
August	4	Q		
	19	T	Q	Q
November	4	V	T	S
	19		V	

Again we have,

- U went to the hospital in the month having only 30 days.
- W went one of the months after U but on different dates.

From the above condition Case-1 & Case-2 get eliminated because W went one of the months after U but on different dates is not satisfied.

Hence Case-2(a) shows the final arrangement.

		Case-1	Case-2	Case-2(a)
Month	Date	People	People	People
March	4		S	T
	19	S		V
June	4	P	U	U
	19	U	P	P
August	4	Q	W	R
	19	T	Q	Q
November	4	V	T	S
	19	W	V	W

Answer: C

14. Questions

Final arrangement

Month	Date	People
March	4	T
	19	V
June	4	U
	19	P
August	4	R
	19	Q
November	4	S
	19	W

We have,

- P went to the hospital two people before Q, who went in the month having 31 days.
- Only two people went between P and T.

From the above conditions, there are three possibilities

		Case-1	Case-2	Case-2(a)
Month	Date	People	People	People
March	4			T
	19			
June	4	P		
	19		P	P
August	4	Q		
	19	T	Q	Q
November	4		T	
	19			

Again we have,

- V went to the hospital immediately after T.
- As many people went to the hospital before V as after S.

		Case-1	Case-2	Case-2(a)
Month	Date	People	People	People
March	4		S	T
	19	S		V
June	4	P		
	19		P	P
August	4	Q		
	19	T	Q	Q
November	4	V	T	S
	19		V	

Again we have,

- U went to the hospital in the month having only 30 days.
- W went one of the months after U but on different dates.

From the above condition Case-1 & Case-2 get eliminated because W went one of the months after U but on different dates is not satisfied.

Hence Case-2(a) shows the final arrangement.

		Case-1	Case-2	Case-2(a)
Month	Date	People	People	People
March	4		S	T
	19	S		V
June	4	P	U	U
	19	U	P	P
August	4	Q	W	R
	19	T	Q	Q
November	4	V	T	S
	19	W	V	W

Answer: E (All the above given pairs of persons went on the same date except option E)

15. Questions

Final arrangement

Month	Date	People
March	4	T
	19	V
June	4	U
	19	P
August	4	R
	19	Q
November	4	S
	19	W

We have,

- P went to the hospital two people before Q, who went in the month having 31 days.
- Only two people went between P and T.

From the above conditions, there are three possibilities

		Case-1	Case-2	Case-2(a)
Month	Date	People	People	People
March	4			T
	19			
June	4	P		
	19		P	P
August	4	Q		
	19	T	Q	Q
November	4		T	
	19			

Again we have,

- V went to the hospital immediately after T.
- As many people went to the hospital before V as after S.

		Case-1	Case-2	Case-2(a)
Month	Date	People	People	People
March	4		S	T
	19	S		V
June	4	P		
	19		P	P
August	4	Q		
	19	T	Q	Q
November	4	V	T	S
	19		V	

Again we have,

- U went to the hospital in the month having only 30 days.
- W went one of the months after U but on different dates.

From the above condition Case-1 & Case-2 get eliminated because W went one of the months after U but on different dates is not satisfied.

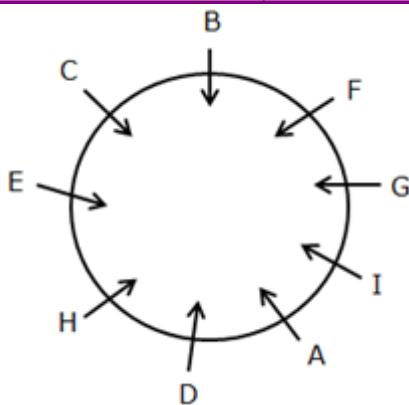
Hence Case-2(a) shows the final arrangement.

		Case-1	Case-2	Case-2(a)
Month	Date	People	People	People
March	4		S	T
	19	S		V
June	4	P	U	U
	19	U	P	P
August	4	Q	W	R
	19	T	Q	Q
November	4	V	T	S
	19	W	V	W

Answer: A

16. Questions

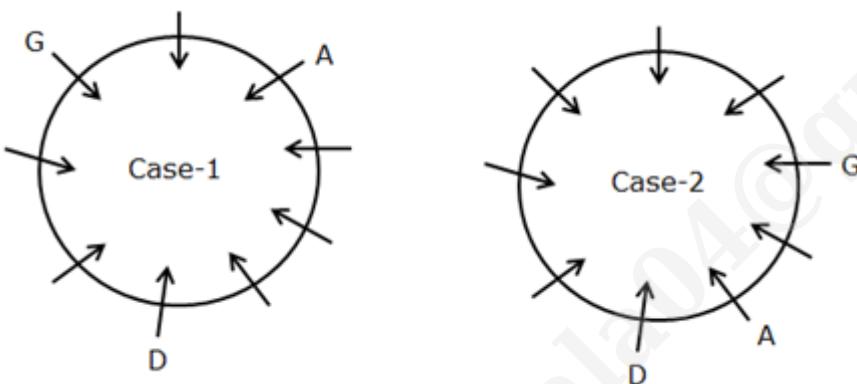
Final arrangement



We have,

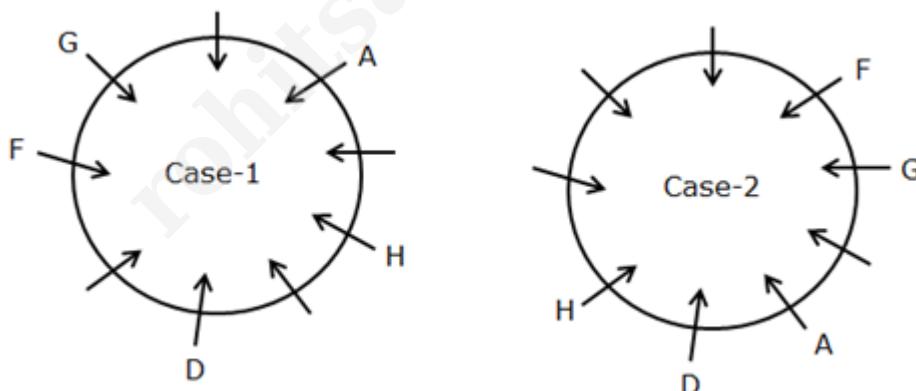
- Only two persons sit between D and G (either from left or right).
- A sits second to the left of G.

From the above conditions, there are two possibilities



Again we have,

- F sits third to the right of A.
- Only three persons sit between H and F, when counted from the right of F.

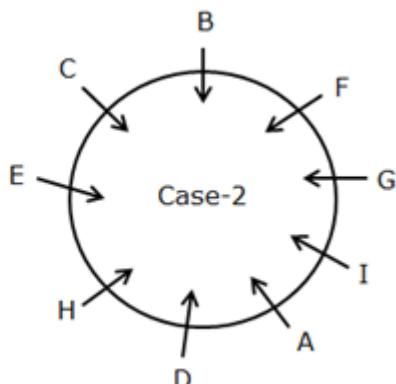
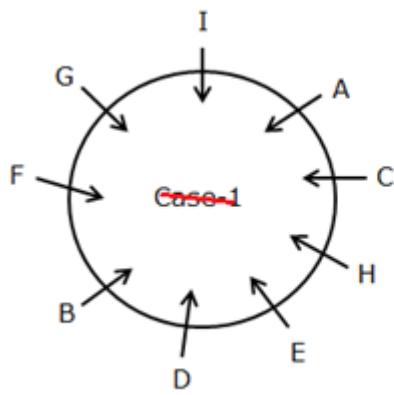


Again we have,

- E sits immediate left of H.
- I sits third to the left of B but does not sit second to the right of C.

From the above condition Case-1 gets eliminated because I does not sit second to the right of C is not satisfied.

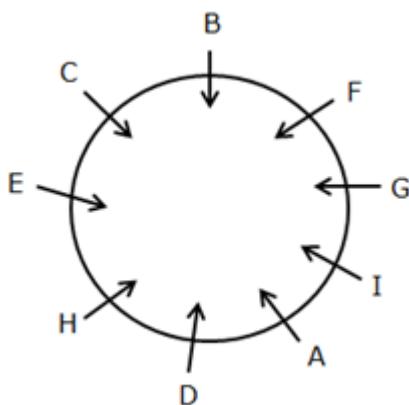
Hence Case-2 shows the final arrangement.



Answer: C

17. Questions

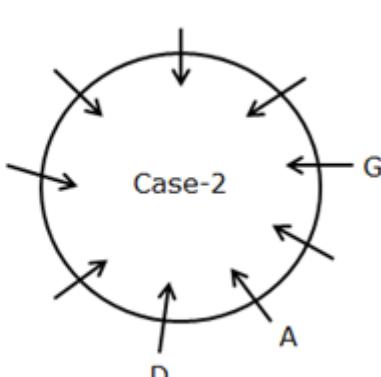
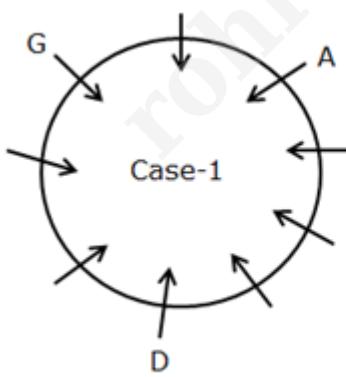
Final arrangement



We have,

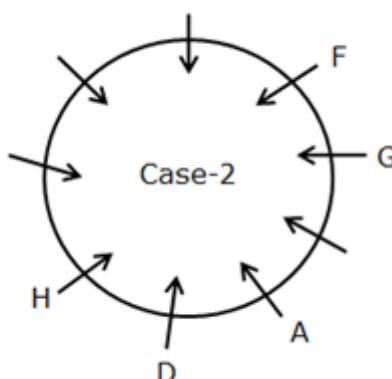
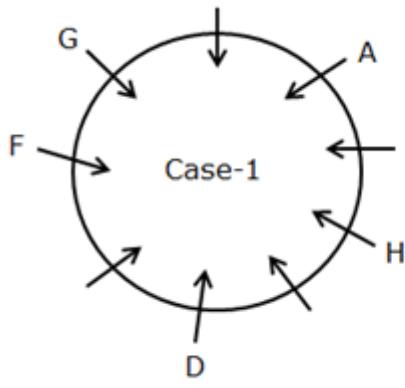
- Only two persons sit between D and G (either from left or right).
- A sits second to the left of G.

From the above conditions, there are two possibilities



Again we have,

- F sits third to the right of A.
- Only three persons sit between H and F, when counted from the right of F.

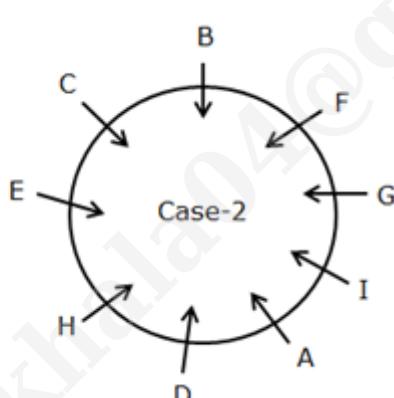
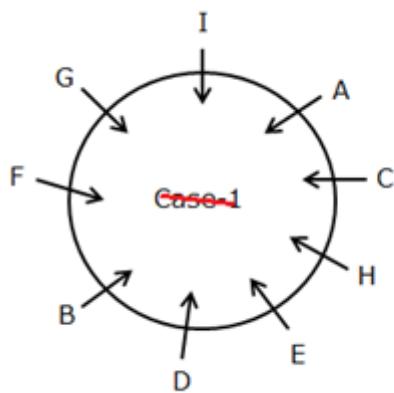


Again we have,

- E sits immediate left of H.
- I sits third to the left of B but does not sit second to the right of C.

From the above condition Case-1 gets eliminated because I does not sit second to the right of C is not satisfied.

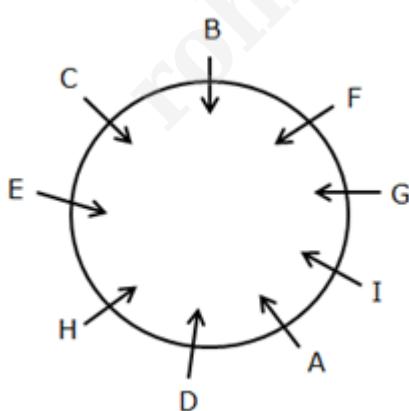
Hence Case-2 shows the final arrangement.



Answer: A

18. Questions

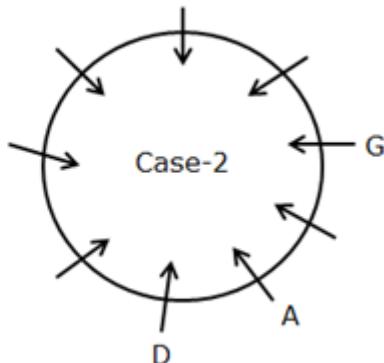
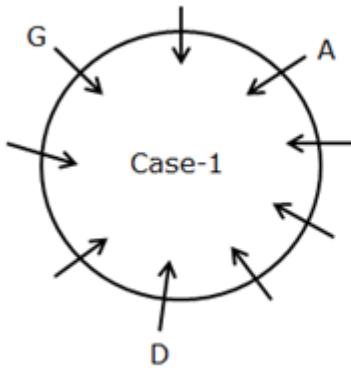
Final arrangement



We have,

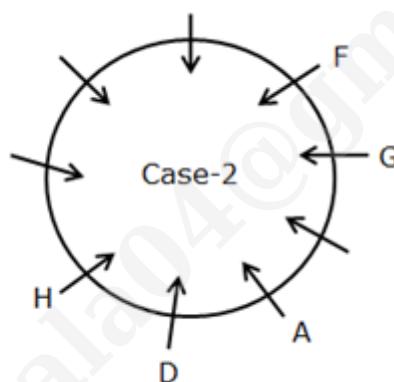
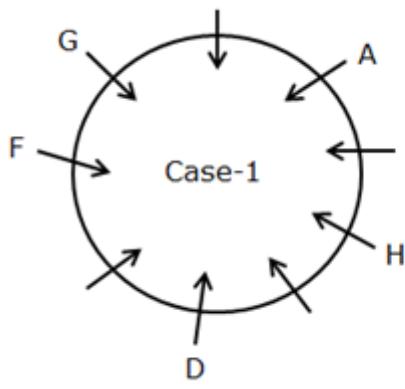
- Only two persons sit between D and G (either from left or right).
- A sits second to the left of G.

From the above conditions, there are two possibilities



Again we have,

- F sits third to the right of A.
- Only three persons sit between H and F, when counted from the right of F.

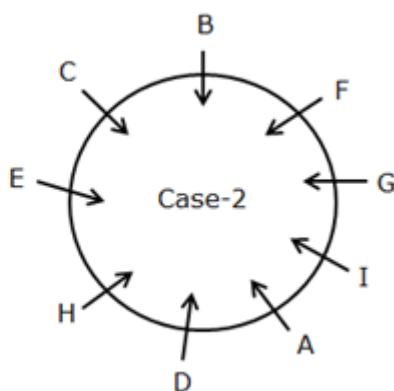
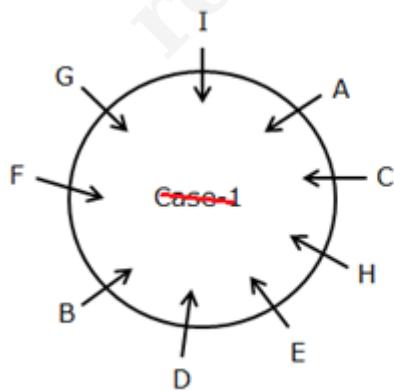


Again we have,

- E sits immediate left of H.
- I sits third to the left of B but does not sit second to the right of C.

From the above condition Case-1 gets eliminated because I does not sit second to the right of C is not satisfied.

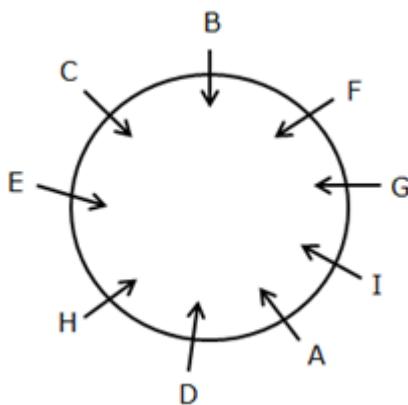
Hence Case-2 shows the final arrangement.



Answer: D

19. Questions

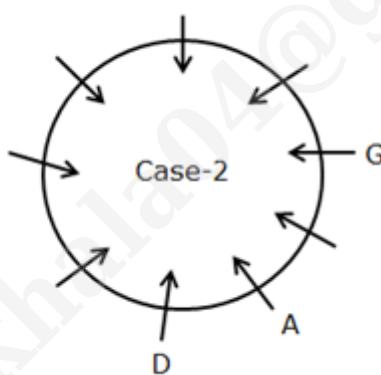
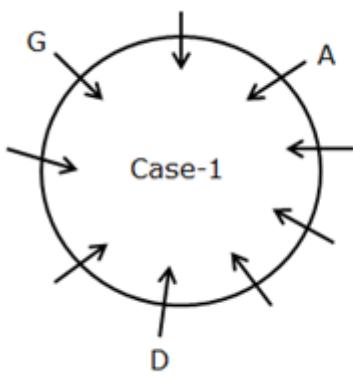
Final arrangement



We have,

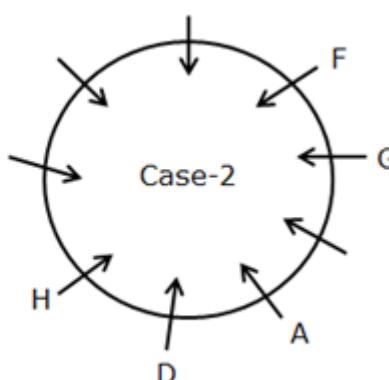
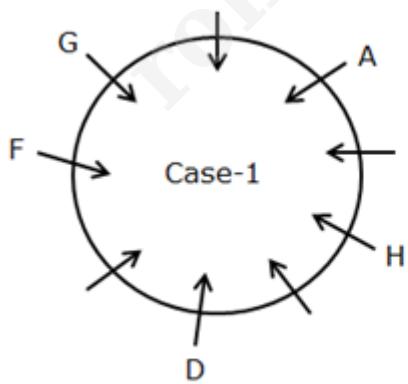
- Only two persons sit between D and G (either from left or right).
- A sits second to the left of G.

From the above conditions, there are two possibilities



Again we have,

- F sits third to the right of A.
- Only three persons sit between H and F, when counted from the right of F.



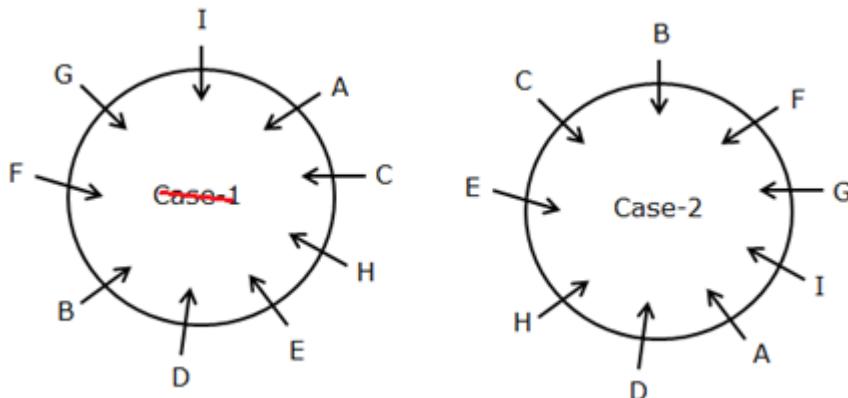
Again we have,

- E sits immediate left of H.

- I sits third to the left of B but does not sit second to the right of C.

From the above condition Case-1 gets eliminated because I does not sit second to the right of C is not satisfied.

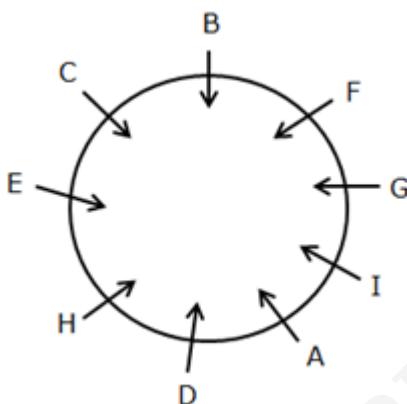
Hence Case-2 shows the final arrangement.



Answer: B

20. Questions

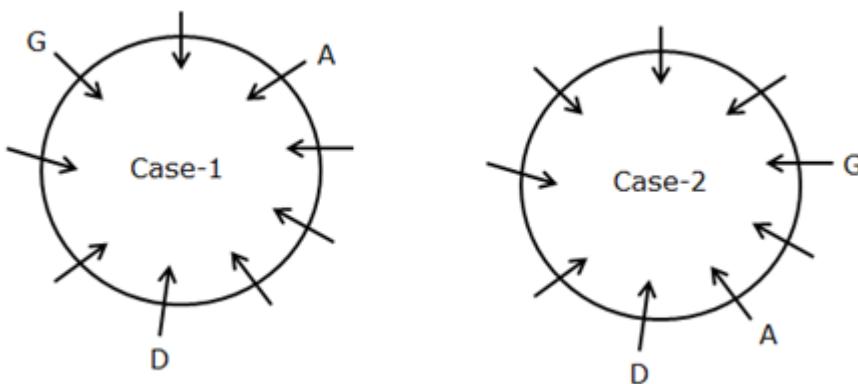
Final arrangement



We have,

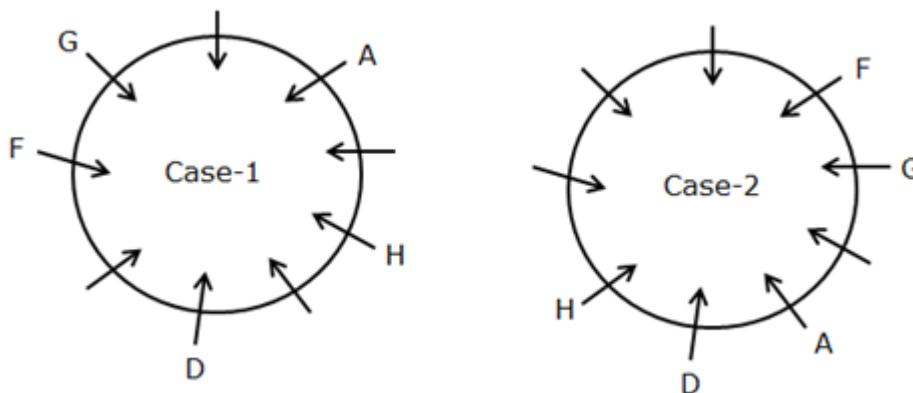
- Only two persons sit between D and G (either from left or right).
- A sits second to the left of G.

From the above conditions, there are two possibilities



Again we have,

- F sits third to the right of A.
- Only three persons sit between H and F, when counted from the right of F.

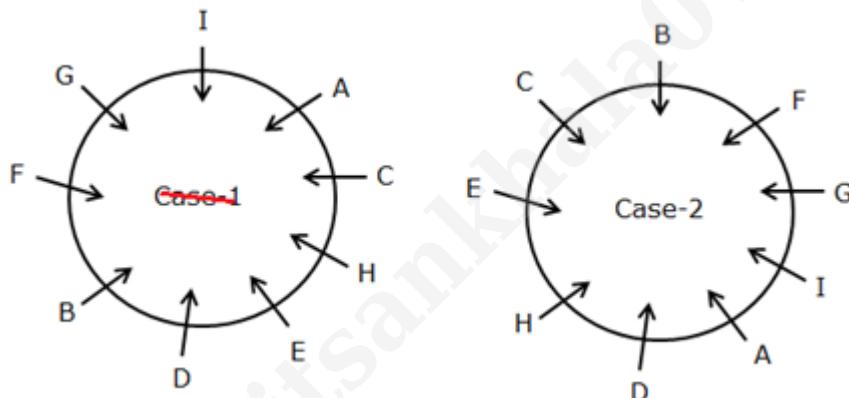


Again we have,

- E sits immediate left of H.
- I sits third to the left of B but does not sit second to the right of C.

From the above condition Case-1 gets eliminated because I does not sit second to the right of C is not satisfied.

Hence Case-2 shows the final arrangement.



Answer: E

21. Questions

Final arrangement:

$G > F(137) > D > C > E > B > H > A(63)$

Answer: D

If E bought 19 less than that of F $\rightarrow E=118$

B bought 13 more than that of A $\rightarrow B=76$

Then, $E+B+A=118+76+63=257$ Plants are bought.

22. Questions

Final arrangement:

G > F(137) > D > C > E > B > H > A(63)

Answer: B

23. Questions**Final arrangement:**

G > F(137) > D > C > E > B > H > A(63)

Answer: C

$A + C = 189 \rightarrow C = 126.$

$F+B/2 = 126$, then $F + B = 252$ so, $B = 115$

$B - C = 11.$

24. Questions**Final arrangement**

U > S(98) > T > R > P > Q

Answer: E

$S + T = 174$, $T = 76$

$S - Q = 55$, $Q = 43$

$Q + T = 76 + 43 = 119.$

25. Questions**Final arrangement**

U > S(98) > T > R > P > Q

Answer: A

26. Questions

Answer: B

Conclusions

I). $A < J$ ($A = E \geq R > L = D = K < J$) \rightarrow False

II). $E \geq C$ ($E \geq R > L = D = K < J = C$) \rightarrow False

By combining I and II we can say either I or II follows.

27. Questions

Answer: D

Conclusions

I). $G > H$ ($G > B = Y \geq H$) \rightarrow True

II). $F > Y$ ($F \geq V < T \leq G > Y$) \rightarrow False

28. Questions

Answer: C

Conclusions

I). $E < J$ ($E < D \geq C = R < J$) \rightarrow False

II). $F \leq Y$ ($F \leq R \leq N = H \leq Y$) \rightarrow True

29. Questions

Answer: E

Conclusion

I). $T > X$ ($T \geq N = I > K < A \geq X$) \rightarrow False

II). $N \leq P$ ($N \leq A > K < I < R \leq P$) \rightarrow False

30. Questions

Answer: A

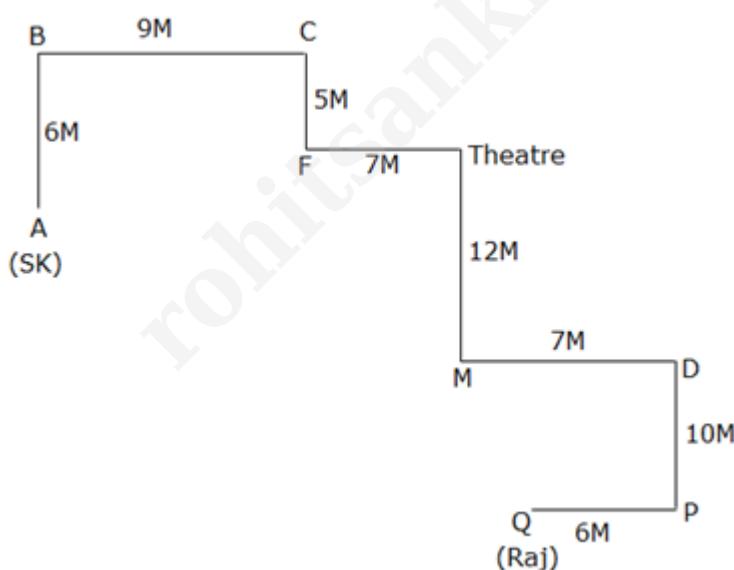
Conclusion

I). $E \geq N$ ($E = M \geq D \geq N$) \rightarrow True

II). $A < W$ ($A < N \leq D \leq O < W$) \rightarrow True

31. Questions

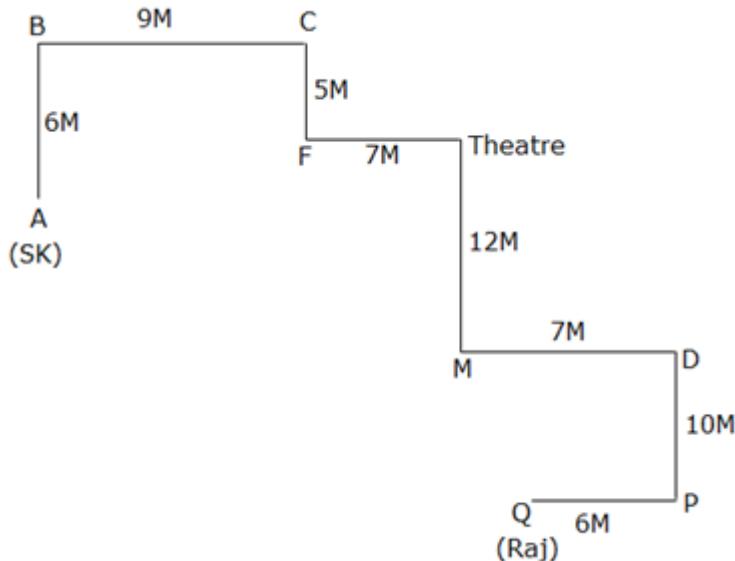
Final Arrangement:



Answer: C

32. Questions

Final Arrangement:

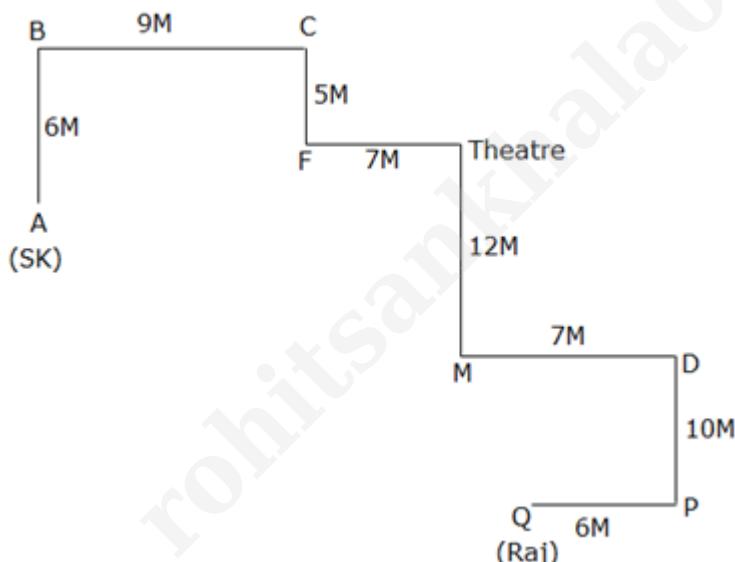


Answer: D

$$(B - \text{Theatre}) = \sqrt{(5\text{m})^2 + (16\text{m})^2} = \sqrt{25\text{m}^2 + 256\text{m}^2} = \sqrt{281\text{m}^2} \\ = 16.7\text{m} = 17\text{m.}$$

33. Questions

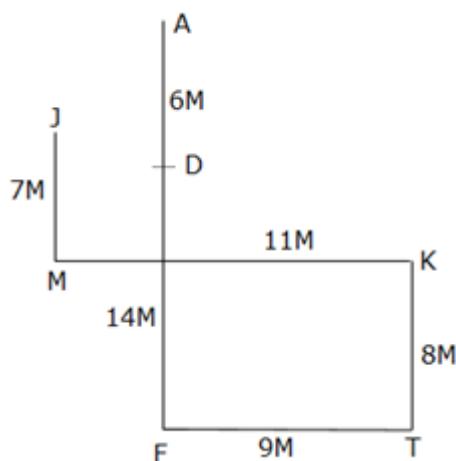
Final Arrangement:



Answer: E (All the above given pairs of points 1st point is north-west of the 2nd point except option E)

34. Questions

Final Arrangement:

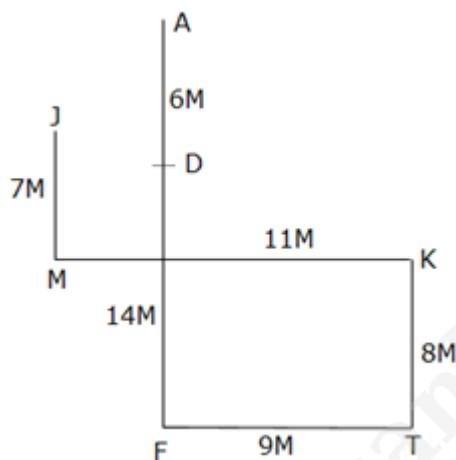


Answer: B

$$(YF) = \sqrt{15^2 + 9^2} = \sqrt{225 + 81} = \sqrt{306} \text{m}$$

35. Questions

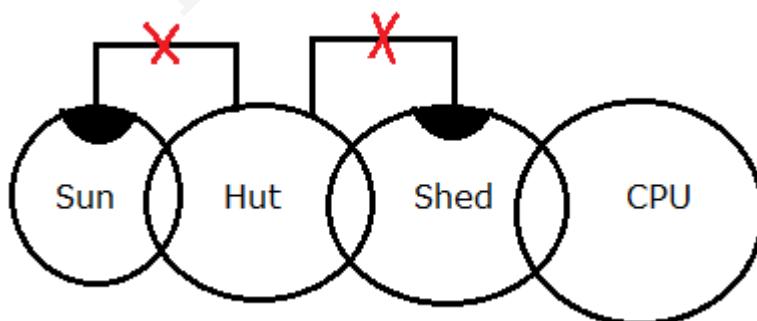
Final Arrangement:



Answer: A

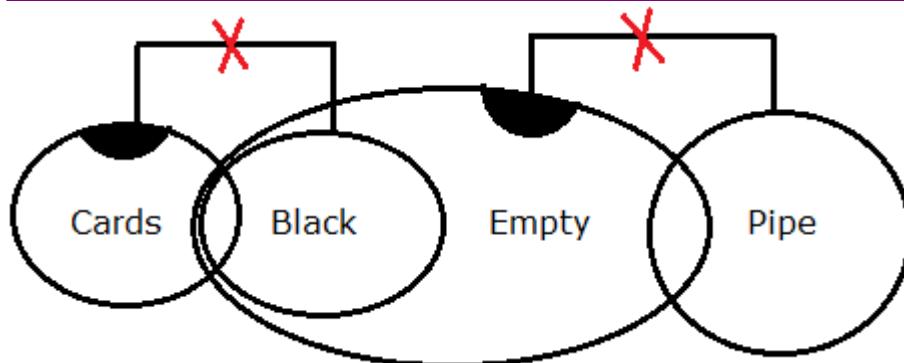
36. Questions

Answer: B



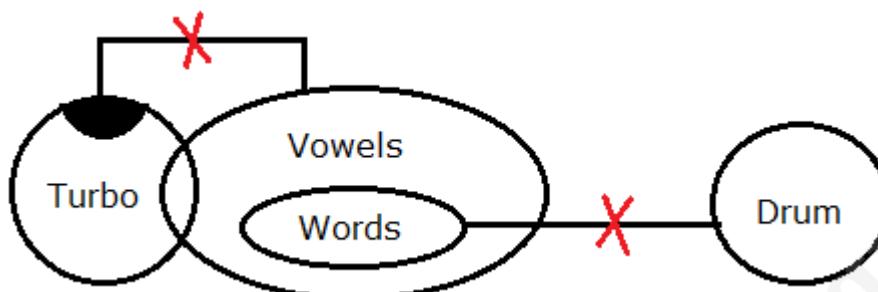
37. Questions

Answer: D



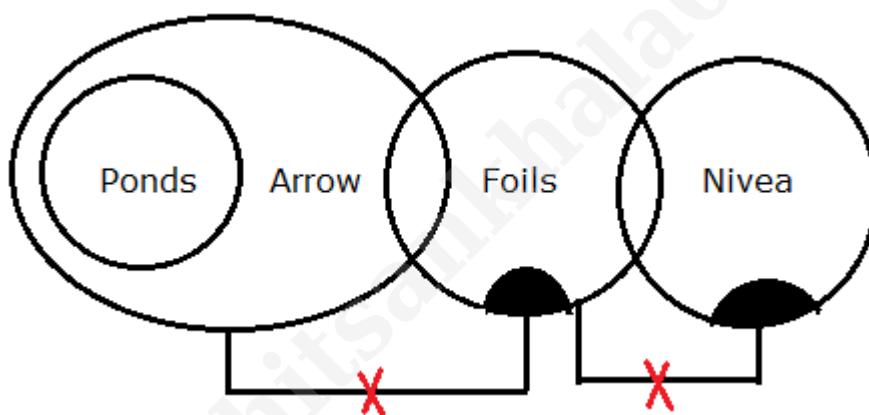
38. Questions

Answer: C



39. Questions

Answer: A



40. Questions

Answer: E

