



# CLAT 2020

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# Practice Set for CLAT Reasoning

## Practice Set - 1

**Directions (Q. 1 to 5):** Read the following information carefully and choose right answers.

There is a meet of eight ministers at Rashtrapati Bhawan. These eight ministers namely Jaitley, Nitin, Prabhu, Paswan, Prakash, Radha, Ravi and Shankar are sitting around a circular table facing the centre but not necessarily in the same order. Each one of them is from a different ministry viz. Agriculture, Finance, Defence, Railways, Health and Family Welfare, HRD, Food Processing Industries and Law & order.

Radha sits second to the right of the representative of Railways. Representatives of Food Processing Industries and Railways are immediate neighbours of the each other. Two people sit between the representative of Food Processing Industries and Nitin. Prabhu and Prakash are immediate neighbours of each other. Neither Prabhu nor Prakash is an immediate neighbour of either Nitin or the representative of Food Processing Industries. Representative of Defence sits second to the right of Paswan, Paswan is neither the representative of Railways nor Food Processing Industries. Ravi and the representative of Agriculture are immediate neighbours of each other. Nitin is not the representative of Agriculture. Only one person sits between Prabhu and the representative of Finance. Shankar sits third to the left of the representative of Law & order. Representative from HRD sits second to the left of the representative of Health and Family Welfare.

**1. Who among the following sit between Nitin and the representative from Food Processing Industries?**

- |                        |                     |
|------------------------|---------------------|
| A. Jaitley and Radha   | B. Radha and Ravi   |
| C. Shankar and Jaitley | D. Shankar and Ravi |

**2. Who among the following sits second to the left of Nitin?**

- A. The representative of Railways
- B. The representative of HRD
- C. The representative of Law & order
- D. The representative of Health and Family Welfare.
- E. None of these

**3. Which of the following is true with respect to the given seating arrangement?**

- A. Jaitley sits second to the right of the representative of Food Processing Industries.
- B. The representative of Law & Order sits to the immediate left of the representative of Agriculture
- C. Nitin is the representative of Defence
- D. Jaitley and Nitin are immediate neighbours of each other

**4. Who among the following is the representative of Finance?**

- A. Jaitley
- B. Prabhu
- C. Shankar
- D. Paswan

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

- A. Jaitley – Food Processing Industries
- B. Prabhu – Finance
- C. Ravi – Law & Order
- D. Nitin – Defence

**6. Find the next term in the series, 1, 4, 27, 256.**

- A. 625
- B. 1024
- C. 3125
- D. 5625

**7. Find the missing term in the series: A, D, ?, P, Y.**

- A. G
- B. H
- C. I
- D. J

**8. Find the wrong term in series:**

**21, 34, 59, 716, 1125, 1549**

- A. 59
- B. 716
- C. 1125
- D. 1549

**9. If "RAMU" is quoted as 18011321, then "KALLU" will be quoted as**

- A. 111121221
- B. 1101121221
- C. 1110121221
- D. None of these

**10. Direction: Select the related words/letters/numbers from the given alternatives.**

**13: 170: 7: ?**

A. 64

B. 70

C. 90

D. 50

**11. In the following question, select the odd number pair from the given alternatives.**

A. 13–170

B. 16–255

C. 22–485

D. 27–730

**12. Arrange the given words in the sequence in which they appear in the dictionary.**

**1. Yearning 2. Yearlong 3. Yearbook 4. Yearling 5. Yielding**

A. 43521

B. 35412

C. 34512

D. 34215

**13.**

**Statement:**



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All planets are stars.

All meteors are planets. No orbit is a star.

**Conclusion:**

I. All meteors are stars.

II. No planet is an orbit.

A. Conclusion I follows.

B. Conclusion II follows.

C. Either conclusion I or conclusion II follows.

D. Both conclusion I and conclusion II follows.

**14.** Given that,

- A. A is the mother of B
- B. C is the mother of D.
- C. B is sister of C.
- D. E is the husband of A.

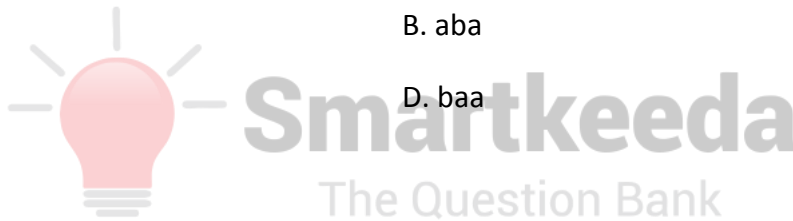
**Who is the aunt of D?**

- A. A
- B. B
- C. C
- D. E

**15. Directions: Select the option that best fits in the respective blanks.**

**ab r bara ar**

- A. bab
- B. aba
- C. aab
- D. baa



**Directions(Q.16-20): Study the following information carefully and answer the questions given beside.**

W, X, Y, Z, M, N and O belong to three different departments R & D, Marketing and HR with at least two of them in any of these departments. Each of them has a favorite color – Green, Blue, Red, Pink, Black, Violet and Purple. X works in Marketing department with M. M's favourite color Purple. Those who work in R & D department do not like Green and Pink. The one who likes Blue works only with O in HR department. The one whose favourite Color is Black does not work in the same department with either M or O. W does not work in the Marketing department. W likes Violet color. Z and N work in the same department. N does not like Red color. The one whose favourite color is Pink does not work in Marketing department.

**16. In which department does W, Z and N work?**

- A. Can't be determined
- B. R & D
- C. Marketing
- D. HR

**17. Whose favourite color is Green?**

- A. X  
B. W  
C. V  
D. Z

**18. What is M's favourite color?**

- A. Violet  
B. Pink  
C. Purple  
D. Black

**19. Which of the following combinations is true?**

- A. W – HR – Blue  
B. O – R & D – Black  
C. N – HR – Pink  
D. Z – R & D – Red

**20. Y works in which department?**

- A. R & D  
B. Marketing  
C. HR  
D. Can't be determined



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Directions: Read the following questions carefully and choose right answers.

**21. In this question select the related words/letters/numbers from the given alternatives.**

**BEHK: LORU:: CFIL: ?**

- A. GPSQ  
B. MPSV  
C. LORU  
D. MSPV

**22. In this question choose that set of numbers from the four alternative sets which is similar to the given set.**

**(9, 13, 22)**

- A. (12, 14, 20)  
B. (11, 15, 24)  
C. (25, 29, 39)  
D. (7, 16, 32)

**23. Looking at a picture of a boy, Hemant said, "His mother is the wife of my father's son. Brothers and sisters I have none." At whose picture was Hemant looking?**

- A. His son  
B. His cousin  
C. His uncle  
D. His nephew

**24. In this question, find the odd number from the given alternatives.**

- A. 1593  
B. 2736  
C. 2010  
D. 1987

**25. In this question a series is given with one term missing. Choose the correct alternative from the given ones that will complete the series.**

**C J P ? Y B**

- A. W  
B. U  
C. R  
D. T

**26. Arrange the given words in a meaningful order and select the option indicating the correct order.**

**1. Consultation 2. Illness 3. Doctor 4. Treatment 5. Recovery**

- A. 2, 3, 1, 4, 5  
B. 2, 3, 4, 1, 5  
C. 4, 3, 1, 2, 5  
D. 5, 1, 4, 3, 2

**27.**

**Statements:**

No apple is a plum. All plums are oranges.

All oranges are mangoes.

**Conclusions:**

I. All plums are mangoes.

II. At least some mangoes are oranges.

- A. Neither I nor II follows  
B. Only I follows  
C. Either I or II follows  
D. Only II follows

**28.**

**Statements:**

No month is a year. Some years are weeks.

**Conclusion:**

I. No weeks is a year.

II. Some weeks are years.

A. Conclusion I follows.

B. Conclusion II follows.

C. Either conclusion I or conclusion II follows.

D. Both conclusion I and conclusion II follow.

**29. If in a code language SPORT is written as QRMTR, then how is LOGIC written in that code language?**

A. NQEKF

B. JQEKA

C. AKEQJ

D. JMEGA

**30. Madhuri travels 14 km Westwards and then turns left and travels 6 km and further turns left and travels 26 km. How far is Madhuri now from the starting point?**

A.  $\sqrt{180}$  km

B.  $\sqrt{80}$  km

C.  $\sqrt{100}$  km

D. None of these

**31. Which Pair does NOT belong with the others?**

A. 1975 – 1579

B. 3152 – 5321

C. 4283 – 8432

D. 7319 – 9731

**32. If 'light' is called 'morning', 'morning' is called 'dark', 'dark' is called 'night', 'night' is called 'sunshine', and 'sunshine' is called 'dusk', when do we sleep ?**

A. night

B. sunshine

C. dusk

D. dark



**33. If CUSTOM is written as UCTSMO then how PARENT be written in the same code?**

A. APERTN

B. RAPTNE

C. TNERAP

D. ERAPTN

**34.**

**Statements:**

No toffee is coffee.

No sweet is toffee.

**Conclusions:** I. No coffee is sweet.

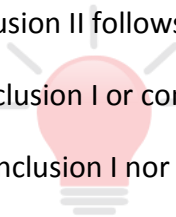
II. All sweets are coffee.

A. if only conclusion I follows.

B. if only conclusion II follows.

C. if either conclusion I or conclusion II follows.

D. if neither conclusion I nor conclusion II follows.



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**35. Garbage: House:: Gangue: ?**

A. Factory

B. Office

C. Drugs

D. Ore

**36. Veer Das ranks 7th from the top and 28th from the bottom in a class. How many students are there in the class?**

A. 32

B. 33

C. 34

D. 35

**37. Looking at a picture of a boy, Hemant said, "His mother is the wife of my father's son. Brothers and sisters I have none." At whose picture was Hemant looking?**

A. His son

B. His cousin

C. His uncle

D. His nephew

**38. One day Ravi left home and cycled 10 km south wards, turned right and cycled 5 km and turned right and cycled 10 km and turned left and cycled 10 km. how many kilometers will he have to cycle to reach his home straight ?**

- A. 10 km  
B. 15 km  
C. 20 km  
D. 25 km

**39. Directions: Each question has a statement followed by two assumptions. You have to decide which of the assumptions is/are "implicit" and mark the correct answer accordingly.**

**Statement:**

The boy is too honest not to speak the truth.

**Assumptions:**

I. Very honest boys also tell lies.

II. Dishonest boys also speak the truth.

- A. if only assumption I is implicit  
B. if only assumption II is implicit  
C. if either I or II is implicit  
D. if neither I nor II is implicit

**40. Select the one which is different from the other four responses.**

- A. TOQR  
B. YTUV  
C. KFHI  
D. WRTU

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**Correct answer:**

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
C	B	E	E	E	C	C	D	B	D	B	D	D	B	C
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
B	A	C	D	C	B	B	A	D	B	D	D	B	B	A
31	32	33	34	35	36	37	38	39	40					
A	B	A	D	D	C	A	B	D	B					



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**Explanation:**

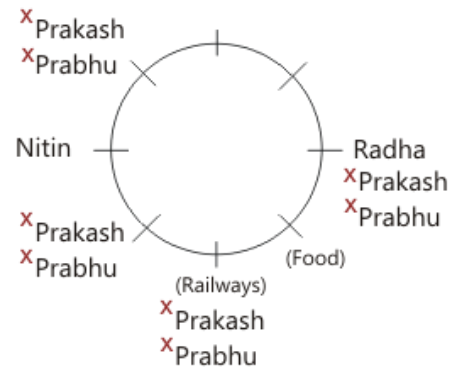
**Common explanations (1 to 5):**

**Step 1.**

**References:**

...Radha sits second to the right of the representative of Railways. Representatives of Food Processing

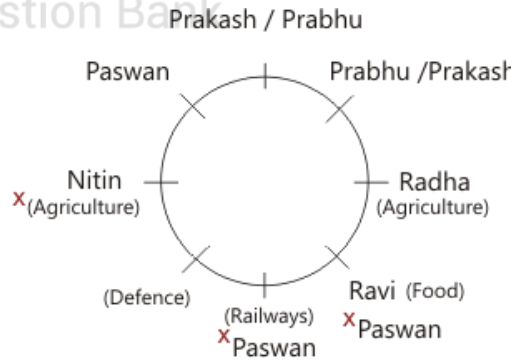
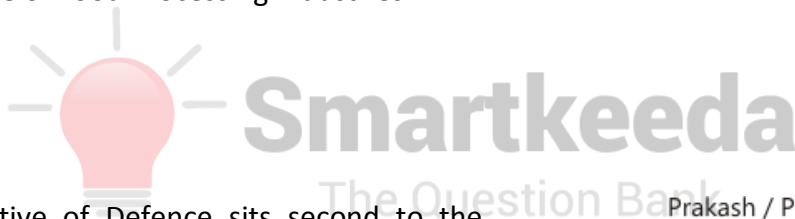
Industries and Railways are immediate neighbours of the each other. Two people sit between the representative of Food Processing Industries and Nitin. Prabhu and Prakash are immediate neighbours of each other. Neither Prabhu nor Prakash is an immediate neighbour of either Nitin or the representative of Food Processing Industries...



**Step 2.**

**References:**

...Representative of Defence sits second to the right of Paswan, Paswan is neither the representative of Railways nor Food Processing Industries. Ravi and the representative of Agriculture are immediate neighbours of each other. Nitin is not the representative of Agriculture...



**Step 3.**

**References:**

...Only one person sits between Prabhu and the representative of Finance. Shankar sits third to the left of the representative of Law & order. Representative from HRD sits second to the left of the representative of Health and Family Welfare..



**Answers:**

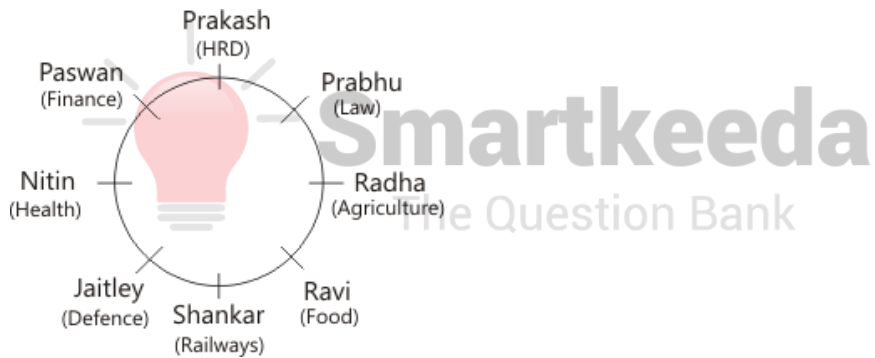
1. By referring to the final seating arrangement chart, we get



We can clearly observe that Jaitley and Shankar are sitting between Nitin and Ravi, who is representative of Food Processing Industries.

Hence, option C is correct.

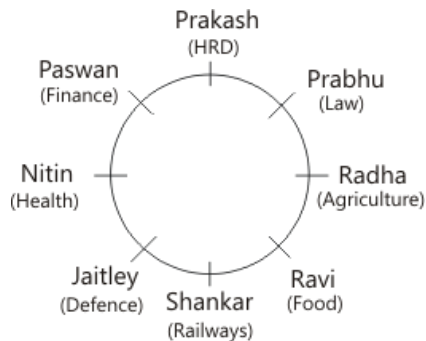
2.



By referring to the final seating arrangement chart, we get

We can clearly observe that the representative of HRD, Prakash is sitting second to the left of Nitin. Hence, option B is correct.

3. By referring to the final seating arrangement chart, we get



We can clearly observe that Jaitley and Nitin are immediate neighbours of each other. Hence, option E is correct.

4.



By referring to the final seating arrangement chart, we get

We can clearly observe that Paswan is the representative of finance. Hence, option E is correct.

5.



By referring to the final seating arrangement chart, we get

Except Nitin – Defence, in all other pairs concerned department minister is sitting second to the right of first person.

Hence, option E is correct.

6.

**Series Pattern      Given Series**

11	1
22	4
33	27
44	256
55	<b>3125</b> ✓

Hence, option (C) is correct.

7. These alphabets are first, fourth, ninth, sixteenth and twenty fifth terms of alphabets which are squares of all the natural numbers.

Hence, option C is correct.

8. All the terms are prime number followed by perfect squares (2 followed by 1, 3 followed by 4, 5 followed by 9 and so on) except 1549.

Hence, option D is correct.

9. All the alphabets are replaced by their respective alphabetical position, i.e. R is 18th alphabet, A is 01st alphabet, M is 13th alphabet and U is 21st alphabet. "KALLU" will be quoted as "1101121221".

Hence, option B is correct.

10. As  $x^2: x^2 + 1$ , so,  $13^2 \Rightarrow 169 + 1 = 170$

Similarly:  $7^2 \Rightarrow 49 + 1 = 50$  Hence, option D is correct.

11.  $\Rightarrow (13 - 170) \Rightarrow 13^2 + 1 = 169 + 1 = 170$

$$(16 - 255) \Rightarrow 16^2 - 1 = 256 - 1 = 255$$

$$(22 - 485) \Rightarrow 22^2 + 1 = 484 + 1 = 485$$

$$(27 - 730) \Rightarrow 27^2 + 1 = 729 + 1 = 730$$

Hence, option B is correct.

12. Yearbook  $\rightarrow$  Yearling  $\rightarrow$  Yearlong  $\rightarrow$  Yearning  $\rightarrow$  Yielding. 3 4 2 1 5

Hence, option D is correct.

13. All planets are stars (A) + All meteors are planets (A) = A + A = A = All meteors are stars. This is conclusion I follows.

All planets are stars (A) + No orbit is a star (E) = A + E = E = No planet is an orbit. This is conclusion II follows.

Hence, both conclusion I and conclusion II follows.

Hence, option D is correct.

14. B and C are siblings. C is the mother of D. So, B is the aunt of D.

Hence, option B is correct.

15. **abar** has been repeated thrice in the series.

Hence, option C is correct.

**Common explanations (16 – 20):**

Person	Department			Color						
	R&D	Marketing	HR	Green	Blue	Red	Pink	Black	Violet	Purple
W	✓	✗	✗	✗	✗	✗	✗	✗	✓	✗
X	✗	✓	✗	✓	✗	✗	✗	✗	✗	✗
Y	✗	✗	✓	✗	✓	✗	✗	✗	✗	✗
Z	✓	✗	✗	✗	✗	✓	✗	✗	✗	✗
M	✗	✓	✗	✗	✗	✗	✗	✗	✗	✓
N	✓	✗	✗	✗	✗	✗	✗	✓	✗	✗
O	✗	✗	✓	✗	✗	✗	✓	✗	✗	✗

**Summary**

Person	Department	Color
W	R & D	Violet
X	Marketing	Green
Y	HR	Blue
Z	R&D	Red
M	Marketing	Purple
N	R&D	Black
O	HR	Pink

16. Following the common explanation we get W, Z and N work in R & D Department.

Hence the correct answer is option B.

17. Following the common explanation we get X favourite color is green.

Hence the correct answer is option A.



- 18.** Following the common explanation we get M's favourite color is purple.  
Hence the correct answer is option C.
- 19.** Following the common explanation we get combination of Z – R & D – Red is true.  
Hence the correct answer is option D.
- 20.** Following the common explanation we get Y works in HR Department.  
Hence the correct answer is option C.

- 21.**
- |       |       |       |       |
|-------|-------|-------|-------|
| B     | E     | H     | K     |
| +10 ↓ | +10 ↓ | +10 ↓ | +10 ↓ |
| L     | O     | R     | U     |

Similarly,

C	F	I	L
+10 ↓	+10 ↓	+10 ↓	+10 ↓
M	P	S	V



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Hence, option B is correct.

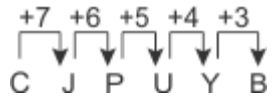
- 22.** First number +  $2^2$  = Second number    Second number +  $3^2$  = Third number  
 $\therefore 9 + 2^2 = 9 + 4 = 13$  (second number)  
 $\therefore 13 + 3^2 = 13 + 9 = 22$  (third number)  
 Similarly,  $11 + 2^2 = 11 + 4 = 15$  (second number)  
 $\therefore 15 + 3^2 = 15 + 9 = 24$  (third number) Hence, option B is correct.

- 23.** Since Hemant has no brother or sister, so he is his father's only son. So, wife of Hemant's father's son — Hemant's wife.  
 Thus, Hemant's wife is the boy's mother or the boy is Hemant's son.  
 Hence, the option A is correct.

24. Rest are divisible by 3.

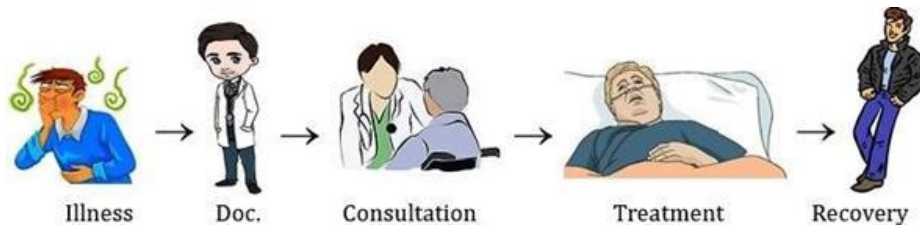
Hence, option D is correct.

25.



Hence, option B is correct.

26. Clearly, **illness** occurs first, One then goes to a **doctor** and after **consultation** with him, undergoes **treatment** to finally attain **recovery**.



Thus option A is correct.

27. **Statements:**

No apple is a plum. All plums are oranges.

All oranges are mangoes.

**Conclusions:**

I. All plums are mangoes.

II. At least some mangoes are oranges.

All plums are oranges (A) + All oranges are mangoes (A) = A + A = All plums are mangoes. Hence, conclusion I follows.

All oranges are mangoes – converse – Some mangoes are oranges. Hence, conclusion II follows.

Hence option D is correct.

28. No month is a year (E) + Some years are weeks (I) = E + I = O = Some weeks are not month. But the above-mentioned conclusion is not there in the given conclusions.

Checking for conversion we get 'Some weeks are years.' as the converse of statement II. Hence, only conclusion II follows.

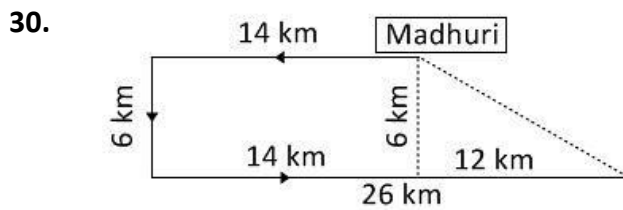
Hence, option B is correct.

29. S P O R T  
 -2 ↓ +2 -2 ↓ +2 -2 ↓  
 ↓ ↓ ↓  
 Q R M T R

Similarly,

L O G I C  
 -2 ↓ +2 -2 +2 -2 ↓  
 ↓ ↓ ↓  
 J Q E K A

Hence, option B is correct.



By the Pythagoras,  $AB = AC^2 + BC^2 = 6^2 + 12^2 = 180$  km

Hence, option A is correct.

31. In all other pairs, second number is obtained by arranging the digits of the first number in a descending order.

Hence, option A is correct.

32. We sleep in the 'night'. but 'night' is called 'sunshine'. So, we sleep in the 'sunshine'.

Hence, option B is correct.

33. C U S T O M  
 ↘ ↙ ↘ ↙ ↘ ↙  
 U C T S M O

Similarly,

P A R E N T  
 ↘ ↙ ↘ ↙ ↘ ↙  
 A P E R T N

Hence, option A is correct.

34.  $E + E =$  No conclusion

Thus, neither conclusion I nor conclusion II follows.

Hence, option D is correct.

35. Garbage - is the waste of House. Gangue - impurities in the **Ore**.

Hence, option D is correct.

36. As seen in the figure, Veer Das's position is 7th from the top and 28th from the bottom.



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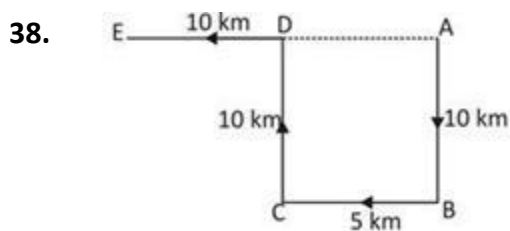
Therefore, total number of students =  $6 + \text{Veer Das} + 27 = 34$

Hence, option C is correct.

37. Since Hemant has no brother or sister, so he is his father's only son.

So, wife of Hemant's father's son — Hemant's wife.

Thus, Hemant's wife is the boy's mother or the boy is Hemant's son. Hence, the option A is correct.



Clearly, Ravi starts from home at A, moves 10 km south wards up to B, turns right and moves and 5 km up to C, turns right again and moves 10 km up to D and finally turns left and moves 10 km up to E. Thus his distance from initial position A = AE + DE = BC + DE = (5 + 10) km = 15 km

Hence, option B is correct.

- 39.** None of them is implicit. The statement only implies that if a boy is very honest it would not be possible for him to speak a lie. But I is just the opposite of it. Assumption II is not implicit because the statement does not talk about “dishonest” boys.

Hence, option (D) is correct.

- 40.** Except second option, in all other options the difference between letters are same.

**1<sup>st</sup> option:** T  $\xrightarrow{-5}$  O  $\xrightarrow{+2}$  Q  $\xrightarrow{+1}$  R

**3<sup>rd</sup> option:** K  $\xrightarrow{-5}$  F  $\xrightarrow{+2}$  H  $\xrightarrow{+1}$  I

**4<sup>th</sup> option:** W  $\xrightarrow{-5}$  R  $\xrightarrow{+2}$  T  $\xrightarrow{+1}$  U

**5<sup>th</sup> option:** Q  $\xrightarrow{-5}$  L  $\xrightarrow{+2}$  N  $\xrightarrow{+1}$  O

But,

**2<sup>nd</sup> option:** Y  $\xrightarrow{-5}$  T  $\xrightarrow{+1}$  U  $\xrightarrow{+1}$  V

Hence, option B is correct.

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