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English Language

1) Answer: a)

Author clearly exhibits his degree of inhibition in the passage which shows tone of the passage is **Tentative**.

2) Answer: d)

For example is used to give some examples and for instance is used to describe hypothetical situation hence **for example** should be replaced with **for instance** here.

3) Answer: b)

Refer: In my book, *The Healthy Mind Toolkit*, I wrote about how people often put off pleasure, especially when they feel too busy or undeserving because they haven't gotten enough done.

4) Answer: c)

Option c) (False, Refer): When we're overloaded, we can hold a lot of physical tension. This is partly due to our in-built

fight/flight/freeze response to fear or stress.

5) Answer: d)

As the passage explains about some of extremely busy timings and situations at work and how to manage them accordingly **Option d)** will be appropriate theme for the passage.

6) Answer: e)

Obligations: An act or course of action in which a person is morally or legally bound

7) Answer: a)

Intricate: Very complicated or detailed

8) Answer: b)

Slammed: Criticize severely

9) Answer: c)

Juggling: Organize in order to give a particular impression.

10) Answer: d)

Although all the points are describing about main theme of the passage, the

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point before the blank is about things we love and how to manage them **Option D** will fit appropriately.

11) Answer: a)

C. The Finnish network equipment maker flagged the issue in its annual report which was released late on Thursday to the US Securities and Exchange Commission. Nokia said it had launched an investigation into certain transactions of the business it bought in 2016.

Explanation:

A) the first sentence is fixed according to the question which describes the main subject of the passage Nokia's decision to sought its issues

C) will be the second sentence which continues A giving details about on what transactions Nokia want to investigate and in which year those transactions happened

F) will be third sentence which describes the statement given by Nokia and what will be the impact of all these issues on the company and what are the consequences

E) will be fourth sentence describing what are reasons for the losses of the company and why they happened

B) will be fifth sentence which describes investigation is starting and is in early stage and all the transactions since 2006

are being scrutinising and also about joint venture.

D) will be the last sentence which describes that acquisition targets are difficult and managing all the tasks and struggles are difficult.

12) Answer: c)

F. After the shares dropped more than 8% in Europe on Friday, Nokia issued a statement saying it did not think the issues would have any material impact on the group. "We believe it is highly likely that any penalties that might apply would be limited and immaterial," Nokia said.

13) Answer: b)

E. The shares pared some of the earlier losses to be down 5.4% at 1545 GMT. In its annual report, Nokia said certain practices at the former Alcatel-Lucent business had raised its concerns during the integration process and it had informed relevant regulatory authorities, without elaborating.

14) Answer: d)

B. Nokia told Reuters on Friday it was scrutinising certain transactions and its investigation was at a relatively early stage. The telecoms sector has seen a number of relatively large deals in recent years: Nokia itself bought

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Siemens out from their mobile networks' joint venture in 2013, and Alcatel-Lucent was a result of a 2006 merger.

15) Answer: e)

D. However, integrating acquisition targets has been cumbersome those deals have been plagued by difficulties including trying to cut costs in an R&D intensive business, rivals stealing contracts, and struggles over power.

16) Answer: a)

Philosophy: An attitude that acts as a guiding principle for behaviour.

17) Answer: b)

Implementation: Process of putting a decision or plan into effect.

18) Answer: c)

Acknowledging: Agree in the idea of declaring something to be true.

19) Answer: d)

Planning: Process of making plans for something

20) Answer: a)

Consent: Giving permission for something or agreement to do something.

21) Answer: c)

Being, poor

These words suit here the most when compared to other words like 'of' and 'being' which are grammatically incorrect

22) Answer: b)

Stress, exemplary

These words are the best here when compared to words like 'dismiss' and 'refute' which do not match with the statement.

23) Answer: c)

Appreciate, condemn

These words go well with the meaning of the statement and complement its meaning

24) Answer: a)

Nefarious, undermine

The blanks do not seem meaningful with the other words like 'brittle' and 'fictitious'

25) Answer: d)

Imbued, exposed

These word go very well with meaning of the statement associated and others like 'afflicted' and 'endowed' doesn't suit.

26) Answer: a)

Rigidity, compatibility

These words are much impactful in the statement than that of 'positivism' and 'professionalism'

27) Answer: c)

Eloquent, incited

These words are apt as 'eloquent' is the right word to be attached with speaker and incited is perfect with the word 'mob'

28) Answer: b)

Arrogance, humility

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These words go along with the blanks.

While anger and greed are not right meanings.

29) Answer: c)

Tremendous, vast

With respect to the word progress and stocks, tremendous and vast are the right ones.

30) Answer: a)

Wrong, excuse

Other words like falsehood and murder don't go along with the statement.

Quantitative Aptitude

31) Answer: d)

$$12.498\% \text{ of } 1840 + 79.908\% \text{ of } 154.908 + \sqrt{483.890} * 3.024 = ? - 40 * 1.998$$

$$12.5\% \text{ of } 1840 + 80\% \text{ of } 155 + \sqrt{484} * 3 = ? - 40 * 2$$

$$230 + 124 + 66 = ? - 80$$

$$500 = ?$$

32) Answer: d)

$$11.11 * 24.903 + \sqrt{255.90} * 32.90 + 7829.90 \div 29.04 + ? = 145.04 * 5.90$$

$$11 * 25 + \sqrt{256} * 32 + 7830 \div 30 + ? = 145 * 6$$

$$275 + 512 + 270 + ? = 870$$

$$? = -187$$

33) Answer: b)

$$119.98\% \text{ of } 59.896 + 129.907\% \text{ of } 90.90 + ? = \sqrt{6560.90} * 3.90$$

$$120\% \text{ of } 60 + 130\% \text{ of } 91 + ? = 81 * 4$$

$$72 + 118 + ? = 324$$

$$? = 134$$

34) Answer: a)

$$31.98\% \text{ of } 149.98 + \sqrt{960.98} * 13.90 + ? = 74.90 * 7.990$$

$$32\% \text{ of } 150 + \sqrt{961} * 14 + ? = 75 * 8$$

$$48 + 434 + ? = 600$$

$$? = 118$$

35) Answer: b)

$$1520.98 \div 12.90 + 2599.09 \div 23.035 + \sqrt{1224.90} * \sqrt{4.05} = ?$$

$$1521 \div 13 + 2599 \div 23 + \sqrt{1225} * \sqrt{4} = ?$$

$$117 + 113 + 70 = ?$$

$$300 = ?$$

36) Answer: b)

$$\text{Total number of students in D} = 288$$

$$\text{Total number of students in A} = 25/18 * 288 = 400$$

$$\text{Total number of students in B} = 20/18 * 288 = 320$$

$$\text{Total number of students in C} = 15/18 * 288 = 240$$

$$\text{Total number of students in E} = 22/18 * 288 = 352$$

$$\text{School A boys} = 2/5 * 400 = 160$$

$$\text{School B boys} = 3/8 * 320 = 120$$

$$\text{School C boys} = 3/5 * 240 = 144$$

$$\text{School D boys} = 5/8 * 288 = 180$$

$$\text{School E boys} = 3/8 * 352 = 132$$

$$\text{Average} = (160 + 120 + 144 + 180 + 132) / 5 = 147.2$$

37) Answer: b)

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The difference between the number of students from school A and D (25% - 18%) = 84

$$\Rightarrow 7\% = 84$$

Total number of students in all the school = $84/7 * 100 = 1200$

Total number of students in B = $20/100 * 1200 = 240$

Total number of Girls in B = $5/8 * 240 = 150$

Total number of students in C = $15/100 * 1200 = 180$

Total number of Girls in C = $2/5 * 180 = 72$

Total number of students in E = $22/100 * 1200 = 264$

Total number of Girls in E = $5/8 * 264 = 165$

$$\text{Sum} = 387$$

38) Answer: a)

Total number of students in A = $25/100 * 2000 = 500$

Total number of Girls in A = $3/5 * 500 = 300$

Total number of students in D = $18/100 * 2000 = 360$

Total number of boys in = $360 * 5/8 = 225$

Required ratio = 225: 300

$$= 3: 4$$

39) Answer: a)

Total number of students in A = $25/22 * 396 = 450$

Total number of students in A boys = $2/5 * 450 = 180$

Total number of students in B = $20/22 * 396 = 360$

Total number of students in B boys = $3/8 * 360 = 135$

Required Difference = $180 - 135 = 45$

40) Answer: a)

Total number of girls in the school C = 24

Total number of boys in C = $3/2 * 24 = 36$

Total number of students in C = $24 + 36 = 60$

Total number of boys in B = $3/8 * 20/15 * 60 = 30$

Total number of boys in A = $2/5 * 25/15 * 60 = 40$

Total number of boys in E = $3/8 * 22/15 * 60 = 33$

Required Sum = $30 + 40 + 33 = 103$

41) Answer: c)

The profit ratio = $8000 * 12 : (12000 * 4 + 28000 * 8) : (16000 * 9 + 12000 * 3)$
 $= 24 : 68 : 45$

C's share = $45/137 * 27400 = 9000$

42) Answer: a)

Length of train A = x

Length of train B = y

Speed of train A = S1

Speed of train B = S2

$$X + 480 = S1 * 5/18 * 36$$

$$10 S1 = x + 480$$

$$X = S1 * 5/18 * 18$$

$$5 S1 = x$$

$$2(x) = x + 480$$

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$$X = 480m$$

$$S1 = 96kmph$$

$$Y = S2 * 5/18 * 18$$

$$Y = 5 S2$$

$$480 + y = (96 - S2) * 5/18 * 54$$

$$480 + y = 1440 - 15 S2$$

$$Y = 960 - 3(y)$$

$$Y = 240m$$

43) Answer: c)

The average age of A, B, C and D = 41 years

The total age of A, B, C and D = $41 * 4 = 164$ years

B's age is equal to the C's present age after 12 years,

So,

$$C's \text{ present age} = B + 12$$

$$B's \text{ present age} = A + 2 \text{ ---- (1)}$$

The ratio of A's present age to D's age after 4 years = 4:7

$$A / (D+4) = 4/7$$

$$7A = 4D + 16$$

$$7B - 14 = 4D + 16 \text{ ----- sub (1)}$$

$$(7B - 30)/4 = D$$

$$A + B + C + D = 164$$

$$B - 2 + B + B + 12 + (7B-30/4) = 164$$

$$4B - 8 + 4B + 4B + 48 + 7B - 30 = 164 * 4$$

$$19B + 10 = 656$$

$$19B = 646$$

$$B's \text{ age} = 34 \text{ years}$$

$$D's \text{ age} = (7 * 34 - 30) / 4$$

$$D's \text{ age} = 52 \text{ years}$$

44) Answer: d)

The speed of boat in still water = 21 kmph

The speed of the stream = 9 kmph

Upstream speed = speed of boat in still water - speed of the stream

$$\Rightarrow 21 - 9 = 12 \text{ kmph}$$

Downstream speed = speed of boat in still water - speed of the stream

$$\Rightarrow 21 + 9 = 30 \text{ kmph}$$

$(d/12) - (d/30) = 18$ (according to the question)

$$18d / (12 * 30) = 18$$

$$D = 360km$$

45) Answer: b)

Work done by A in one hour = $1/10$

Work done by B in one hour = $1/15$

Work done by A, B and C in one hour = $1/18$

This means,

$$1/10 + 1/15 - 1/x = 1/18$$

$$1/x = 1/9$$

So, the pipe C can empty the tank in 9 hours.

46) Answer: b)

Compound interest = $P (1 + R/100)^N - P$
(where P = principal amount, R = rate of interest, N = time)

$$CI = 6000 * (1 + 15/100)^3 - 6000 = \text{Rs.}3125.25$$

Simple interest = $PNR/100$ (where P = principal amount, R = rate of interest, N = time)

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$$SI = 3125.25 * 20 * 8/100 = 5000.4$$

47) Answer: a)

Four years ago the total age of 32 students

$$= 16 * 32 = 512$$

$$\text{Two years ago total age} = 512 + 2 * 32 - 16 = 560$$

$$\text{One year ago total age} = 560 + 17 + 31 = 608$$

$$\text{Now present age of all students} = 608 + 32 = 640$$

$$\text{Average age} = 640/32 = 20 \text{ years}$$

48) Answer: a)

$$\text{Length} = \text{breadth} * 4/3$$

The difference between the length and breadth of the rectangle = 4 cm

$$l - b = 4$$

$$4b/3 - b = 4$$

$$\text{Breadth} = 12 \text{ cm}$$

$$\text{Length} = 16 \text{ cm}$$

$$\text{Area of the rectangle} = l * b = 12 * 16 = 192 \text{ cm}^2$$

$$\text{Area of the circle} = 77/96 * 192 = 154 \text{ cm}^2$$

$$\text{Area of the circle} = \pi r^2$$

$$22/7 * r * r = 154$$

$$R = 7$$

$$\text{Circumference of the circle} = 2\pi r$$

$$\Rightarrow 2 * 22/7 * 7 = 44 \text{ cm}$$

49) Answer: a)

Let the work will be completed in x days.

Then, the work done by A, B and C is,

$$x/12 + (x-2)/16 + (x-3)/20 = 1$$

$$20x + 15x - 30 + 12x - 36 = 240$$

$$47x = 306$$

$$X = 306/47 = 6(24/47) \text{ days}$$

50) Answer: e)

$$\text{Milk in the mixture} = 70 * 5/7 = 50 \text{ liter}$$

$$\text{Water in the mixture} = 70 * 2/7 = 20 \text{ liter}$$

$$\text{Milk added} = 20 + 50 = 70 \text{ liter}$$

$$\text{Required ratio} = 70 : 20 = 7 : 2$$

51) Answer: b)

$$\text{Let the CP} = 100x$$

$$\text{Selling price} = 100x * 120/100 = 120x$$

$$\Rightarrow 360 = 120x$$

$$\Rightarrow x = 3$$

$$\text{CP} = 100 * 3 = 300$$

$$\text{Discount} = 10\% \text{ on the marked price}$$

$$\text{MP} = \text{SP} + \text{discount}$$

$$\text{SP} = \text{MP} - 10\% \text{ MP}$$

$$\text{SP} = 90/100 * \text{MP}$$

$$360 = 90/100 * \text{MP}$$

$$\text{MP} = 360 * 100/90 = 400$$

$$\text{Profit without discount} = (\text{MP} - \text{CP})/\text{CP} * 100$$

$$100 = (400 - 300)/300 * 100$$

$$\Rightarrow 100/300 * 100 = 33(1/3)\%$$

Or,

Shortcut:

$$\text{Let the MP} = 100x$$

$$\text{CP} = (100x * 90/100) / (120/100) = 75x$$

$$\text{Profit} = 100 - 75 = 25$$

$$\text{Required percentage} = 25/75 * 100 =$$

$$33(1/3)\%$$

52) Answer: b)

Let assume,

$$\text{Sunil's monthly} = x$$

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Karthick monthly = y

Sunil's expense = $87.5/100 * x = 7x/8$

Remaining salary = $x/8$

Karthick's expense = $80/100 * y = 4y/5$

Remaining salary of Karthick = $y/5$

$x/8 + 6000 = y/5$

$x+12000=y$

$x/8 + 6000 = (x+12000)/5$

$(x + 48000) * 5 = 8 * (x+12000)$

$5x + 240000 = 8x + 96000$

$3x = 144000$

$X = 48000$

53) Answer: a)

If population of Delhi = $100x$

Then,

Population of Chennai = $100x * 120/100 = 120x$

Population of Bangalore = $120x * 140/100 = 168x$

The difference between the population of

Delhi and Bangalore = 119 lakh

$\Rightarrow 168x - 100x = 119$

$\Rightarrow 68x = 119$

$\Rightarrow x = 1.75$

Population of Chennai = $120x = 120 * 1.75 = 210$ lakh

54) Answer: a)

Simple interest = $PNR/100$ (where P = principal amount, R = rate of interest, N = time)

$3408 = 5680 * 5 * x/100$

$X = 12\%$

New Rate of interest = $12 + 10 = 22$

$SI = 5680 * 22/100 * 5 = 6248$

55) Answer: b)

Profit ratio = $1100 * 12 : 660 * (12 - x)$

$(1100 * 12) / (660 * (12-x)) = 10/3$

$13200 * 3 = 79200 - 6600x$

$X = 6$

56) Answer: c)

From quantity I,

If the distance is same but speed is different then,

Average speed = $2xy / (x + y)$ (where $x, y =$ different speeds)

$19.2 = 2 * 48 * x / (48+x)$

$0.2 = x / (48+x)$

$9.6 + 0.2x = x$

$X = 12\text{kmph}$

From quantity II,

Distance = speed * time

$200 = x * 5/18 * 36$

$X = 20\text{kmph}$

$450 = (y-20) * 5/18 * 54$

$Y = 50\text{kmph}$

57) Answer: e)

From quantity I,

If the difference between compound and simple interest is of two years than,

Difference = $P(R)^2 / (100)^2$

$155.52 = P * 18 * 18 / (100 * 100)$

$P = 4800$

From quantity II,

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Simple interest = $\frac{PNR}{100}$ (where P = principal amount, R = rate of interest, N = time)

$$3648 = P * \frac{19}{100} * 4$$

$$P = 4800$$

58) Answer: a)

From quantity I,

The ratio of the present ages of A and B = 14:15

The ratio of the present ages of B and C = 2:1

The ratio of the present ages of A, B and C,

A	:B	:C
14	15	
\backslash^*	$ ^*$	\backslash^*
	2	1
28	:30	:15

$$A : B : C = 28 : 30 : 15$$

$$13x = 26$$

$$x = 2 \text{ years}$$

$$B = 2 * 30 = 60 \text{ years}$$

From quantity II,

The average age of A, B and C = 49 years

$$A + B + C = 147$$

After 5 years the average age of A and B = 50 years

$$A + b = 100$$

$$\text{Sum of present ages of A and B} = 100 - 10$$

$$A + B = 90$$

$$C's \text{ present age} = 147 - 90 = 57$$

The average age of C and D = 58 years

$$C + D = 116$$

$$D's \text{ present age} = 59 \text{ years}$$

59) Answer: e)

From quantity I,

$$\text{Volume of the cone} = \frac{1}{3} \pi r^2 h$$

$$\frac{1}{3} * \frac{22}{7} * r * r * 3 = 2464$$

$$\text{Radius of the cone} = 28 \text{ cm}$$

$$\text{Radius of the cylinder} = \frac{28}{2} = 14 \text{ cm}$$

$$\text{Volume of the cylinder} = \pi r^2 h$$

$$\Rightarrow \frac{22}{7} * 14 * 14 * 2 = 1232 \text{ cm}^3$$

From quantity II,

$$\text{Surface area of the sphere} = 4 \pi r^2$$

$$616 = 4 * \frac{22}{7} * r * r$$

$$\text{Radius of the sphere} = 7$$

$$\text{Radius of the hemisphere} = 2 * 7 = 14 \text{ cm}$$

$$\text{CSA of the hemisphere} = 2 \pi r^2$$

$$\Rightarrow 2 * \frac{22}{7} * 14 * 14 = 1232 \text{ cm}^2$$

60) Answer: e)

From quantity I,

$$\text{Profit ratio} = 6000 * 24 : 4000 * 18$$

$$= 2 : 1$$

$$B's \text{ share} = \frac{1}{3} * 27000 = 9000$$

From quantity II,

$$A's \text{ investment} = x$$

$$B's \text{ investment} = 2x$$

$$C's \text{ investment} = 3x$$

$$\text{Ratio of profit} = x * 12 : 2x * 8 : 3x * 6$$

$$= 12x : 16x : 18x = 6 : 8 : 9$$

$$C's \text{ share} = \frac{9}{23} * 23000 = 9000$$

61) Answer: a)

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Required ratio = $(100 + 100) : (200 + 300)$
= $200 : 500 = 2 : 5$

62) Answer: b)

Average = $(200 + 250 + 250 + 150 + 150)$
 $/5 = 200$

63) Answer: b)

Required percentage = $((100+200) /$
 $(100+150+100+200+200)) * 100$

= 40%

64) Answer: c)

Required Difference = $(200+150) -$
 $(200+100) = 50$

65) Answer: d)

Sum = $100 + 300 + 200 + 200 + 150 =$
950

Reasoning Ability

Directions (66-70):

66. Answer: b)

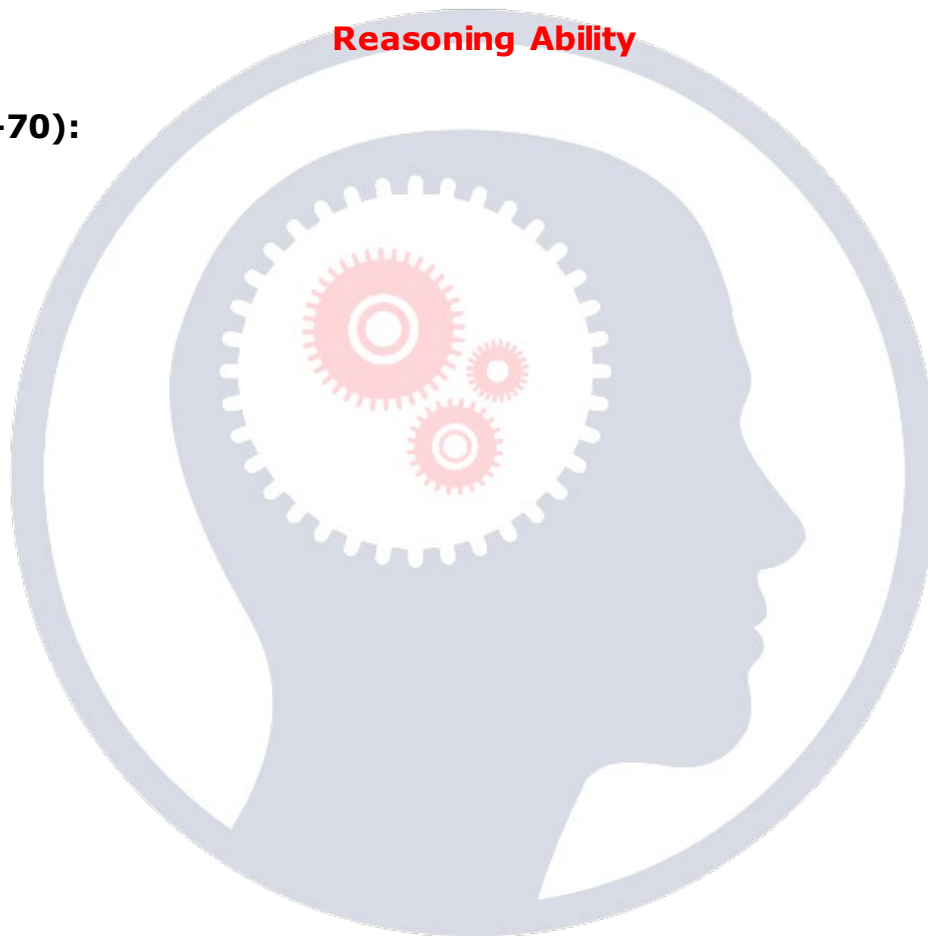
67. Answer: d)

68. Answer: e)

69. Answer: e)

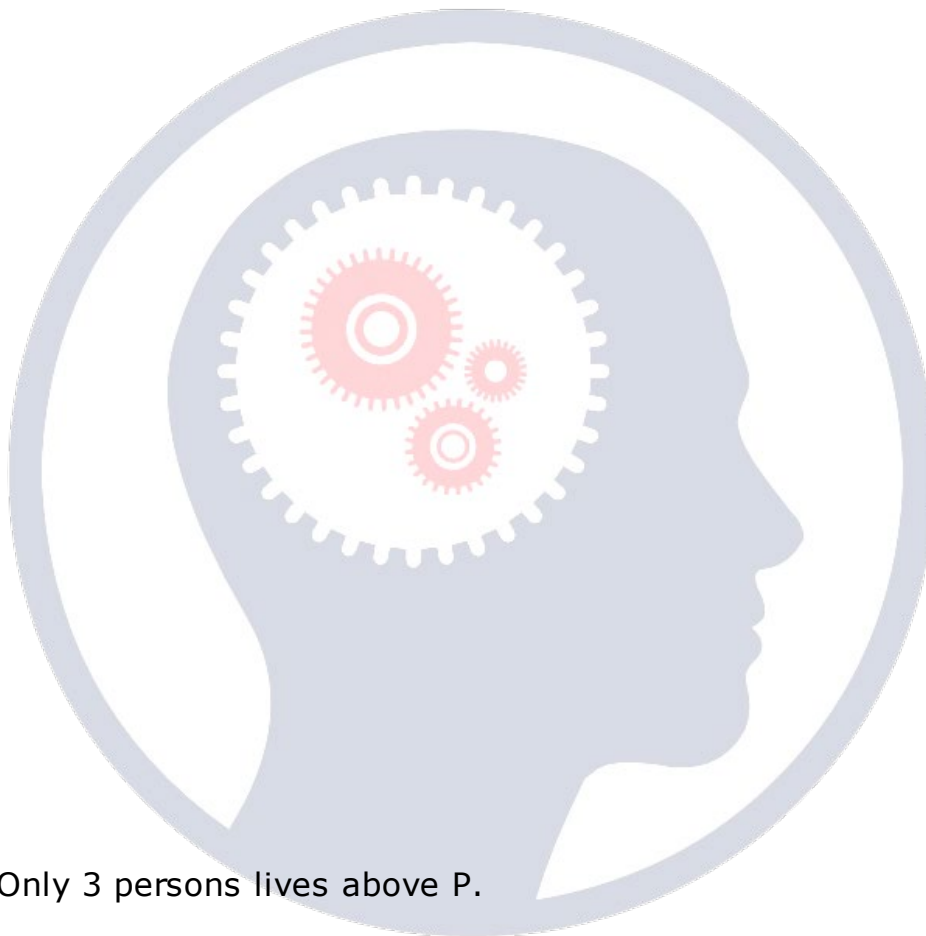
70. Answer: b)

Solution:



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P
M
D
N
Q
Orange
Black
R



Explanation:

- There are Only 3 persons lives above P.

P

- Only four persons are lives between P and D.

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P
D

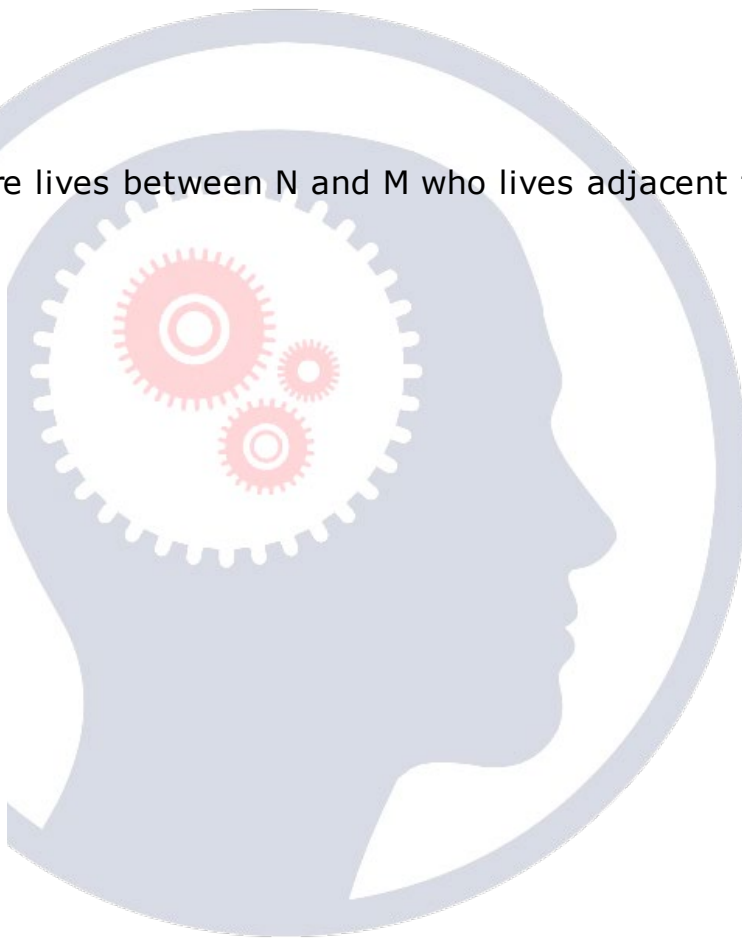
- Only Three persons are lives between N and M who lives adjacent to D.

Case 1 Case 2A Case 2B

P
M
D
N

P
N
D
M

P
D
M
N



- More than two but less than five persons are lives between M and Q.

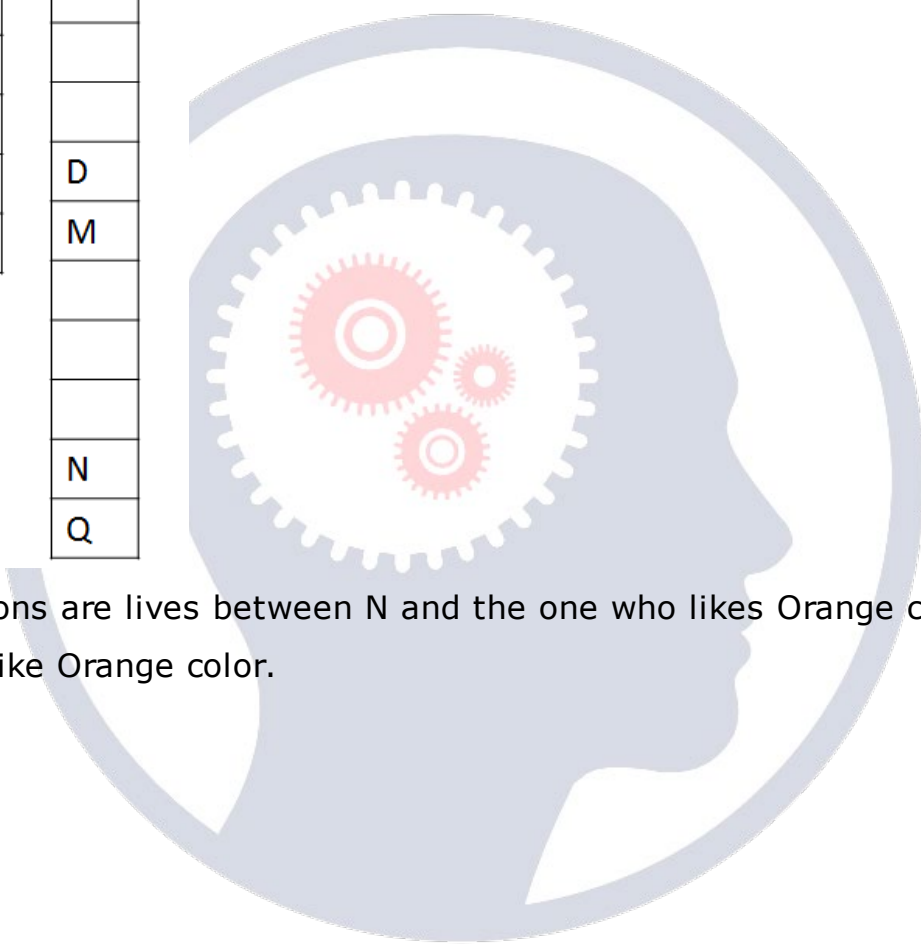
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- N lives adjacent to Q.

Case 1	Case 2A	Case 2B
P	P	P
	Q	
	N	
M		
D	D	D
	M	M
N		N
Q		Q



- Three persons are lives between N and the one who likes Orange color.
- M doesn't like Orange color.

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Case 1

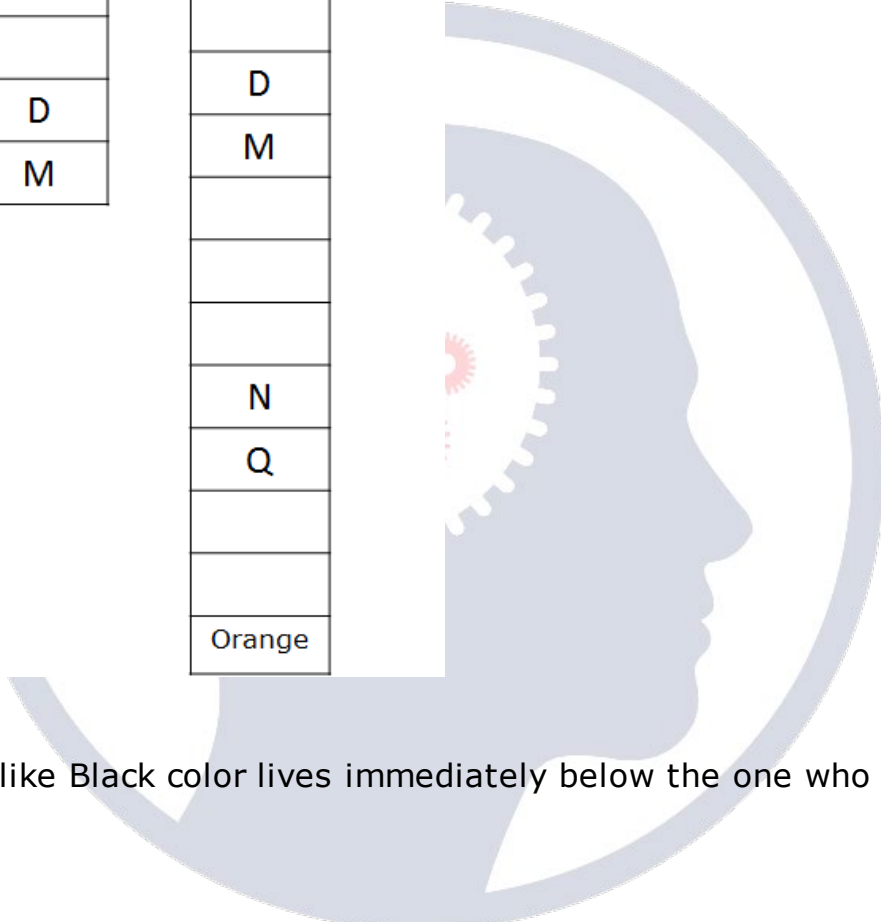
P
M
D
N
Q
Orange

Case 2A

Orange
P
Q
N
D
M

Case 2B

P
D
M
N
Q
Orange



- The one who like Black color lives immediately below the one who like Orange color.

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Case 1

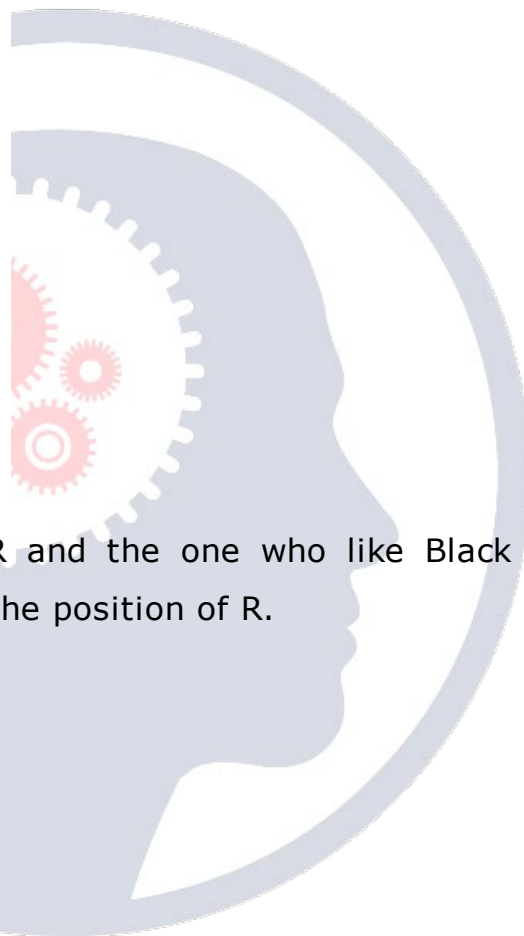
P
M
D
N
Q
Orange
Black

Case 2A

Orange
Black
P
Q
N
D
M

Case 2B

P
D
M
N
Q
Orange
Black



- Two persons are lives between R and the one who like Black color. Case 2A is eliminated because we cannot fix the position of R.
- Q is not adjacent to R.

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Case 1

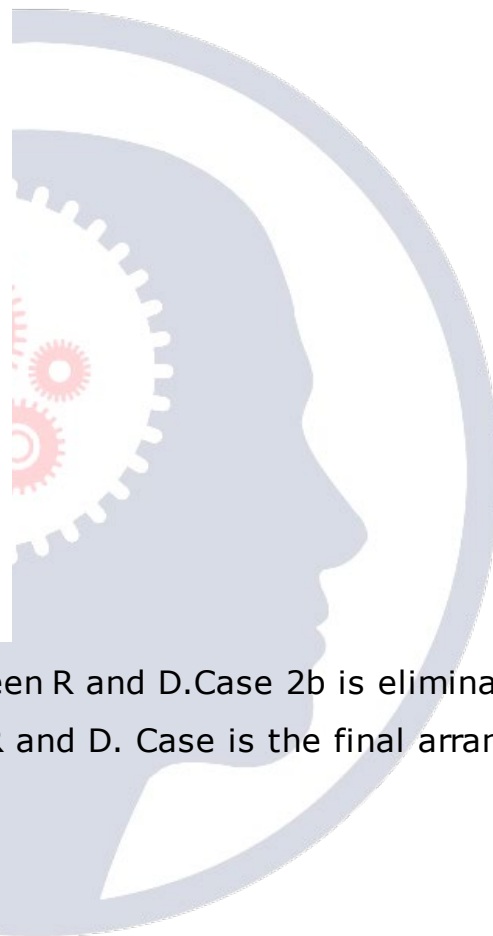
P
M
D
N
Q
Orange
Black
R

Case 2A

Orange
Black
P
Q
N
D
M

Case 2B

P
D
M
N
Q
Orange
Black
R



- Not more than ten person lives between R and D. Case 2b is eliminated because there are 12 persons are sitting between R and D. Case is the final arrangement.

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Case 1

P
M
D
N
Q
Orange
Black
R

Case 2A

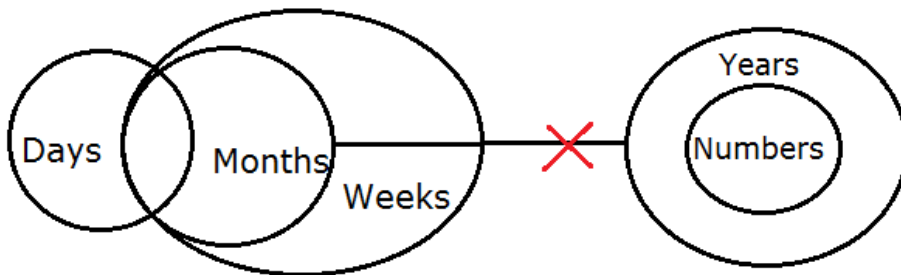
Orange
Black
P
Q
N
D
M

Case 2B

P
X
D
M
N
Q
Orange
Black
R

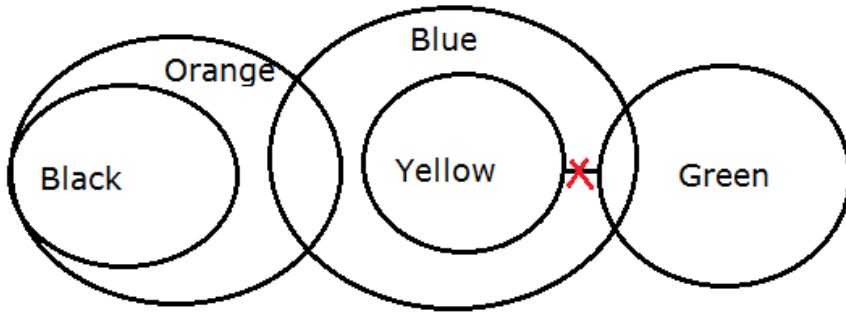
Direction (71-74):

71. Answer: b)



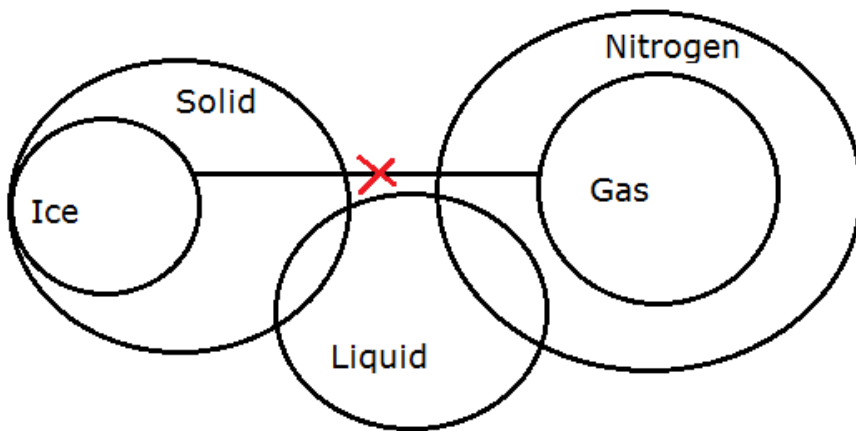
72. Answer: a)

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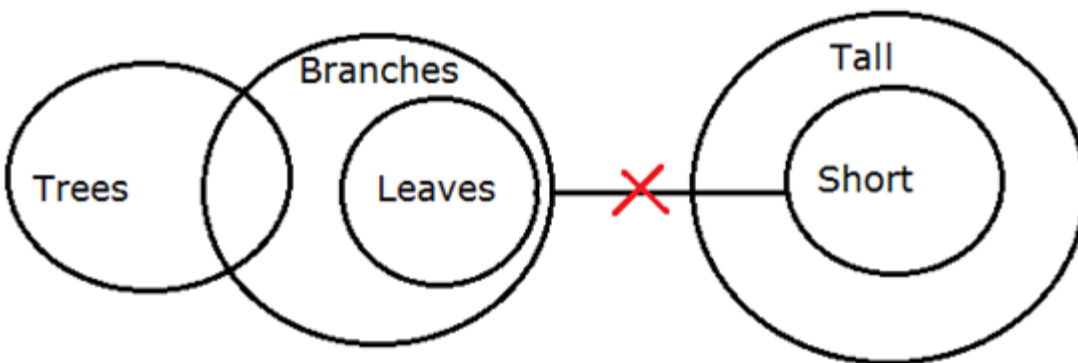
73. Answer: b)

Explanation:



74. Answer: d)

Explanation:



75) Answer: d)

Solution:

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I N N O V A T I O N

Direction (76-80):

76. Answer: d)

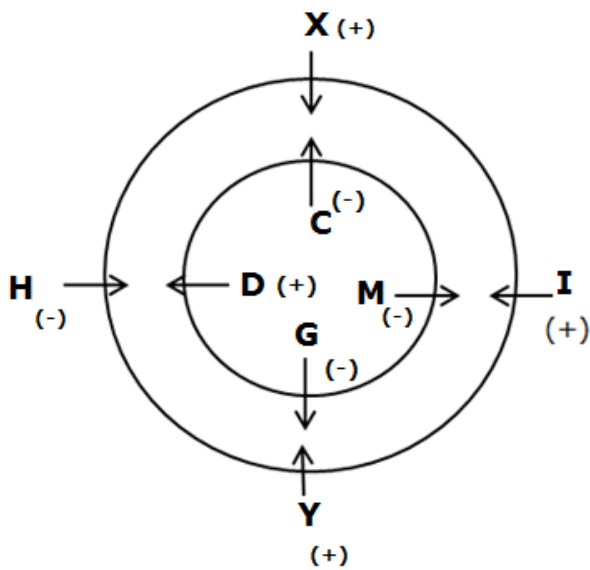
77. Answer: e)

78. Answer: a)

79. Answer: c)

80. Answer: e)

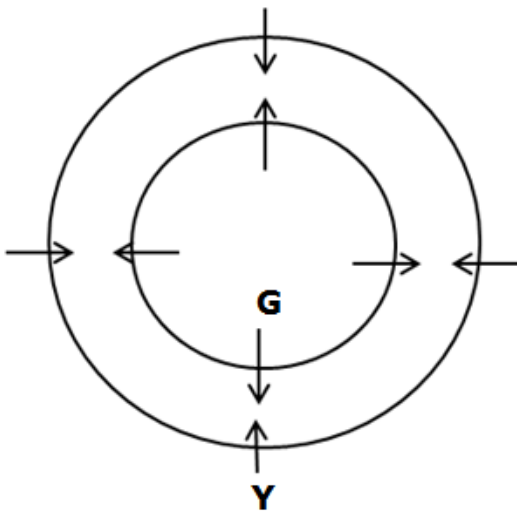
Solution:



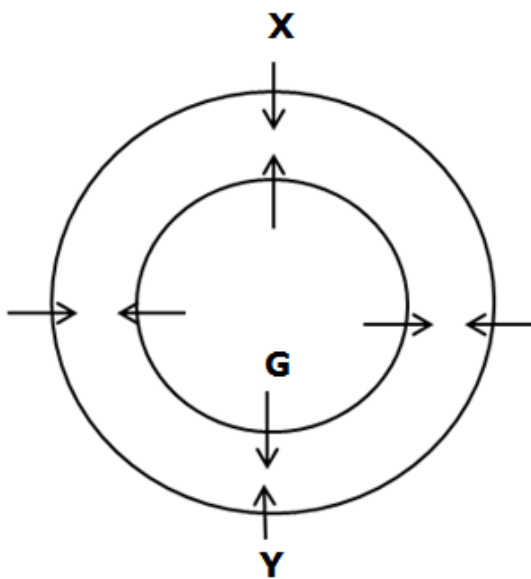
Explanation:

- Y is team up with G who is sitting in the inner circle.

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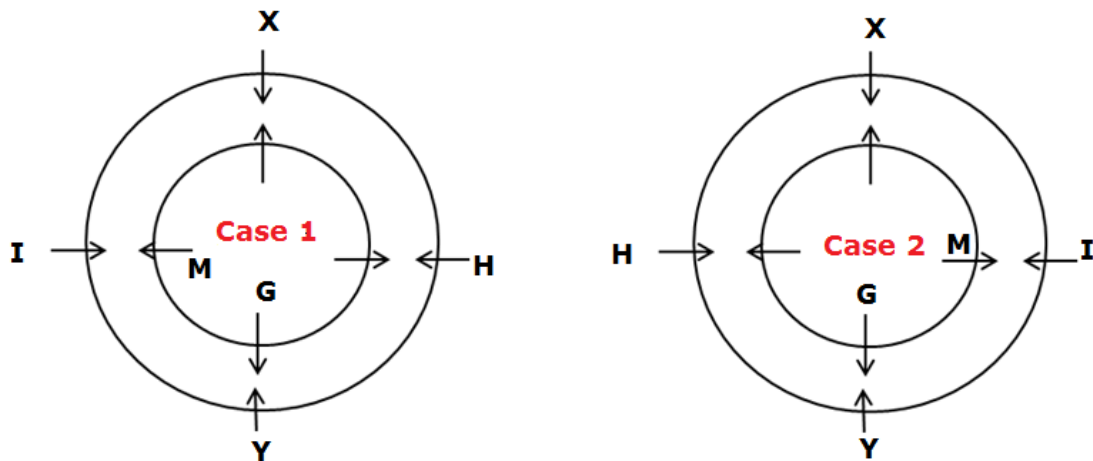


- X is not an immediate neighbor of Y and doesn't sit in an inner circle.

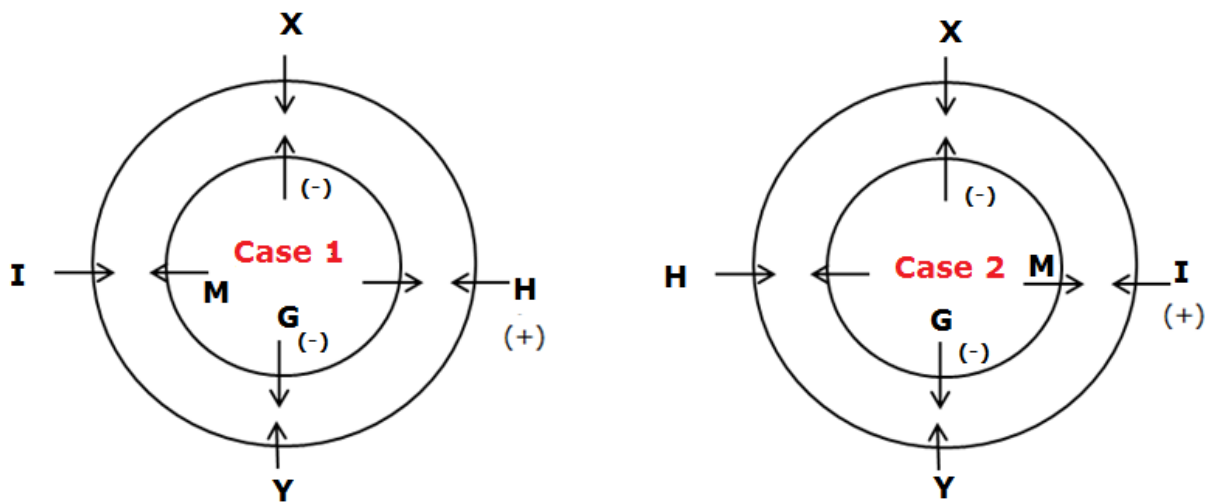


- M and I are team members.
- H and I are not sitting in the inner circle. So both of them are sitting in an outer circle and hence M sits in inner circle (because of M and I are team members).

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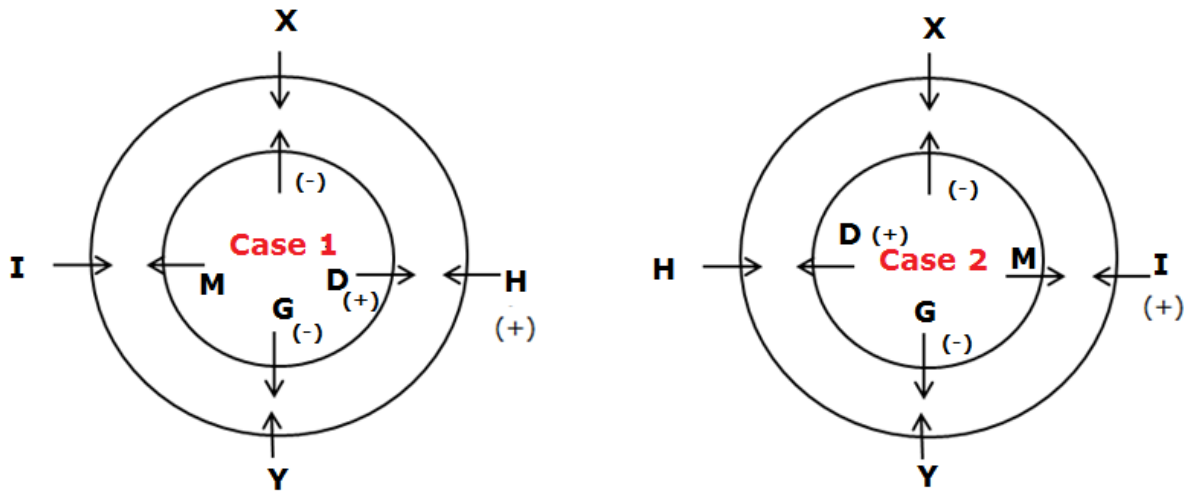


- The one who sits to the immediate right of Y is not a female person. So he should be a male person.
- The immediate neighbors of M are not a male person.

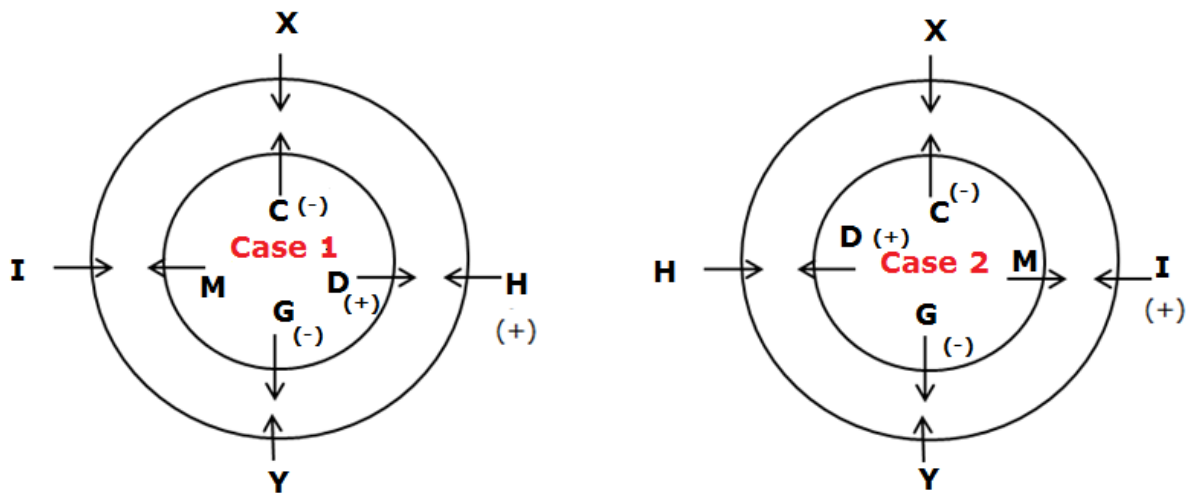


- D is not a female person. So D should be fixed to the immediate left of G in case 1 and immediate right of G in Case 2.

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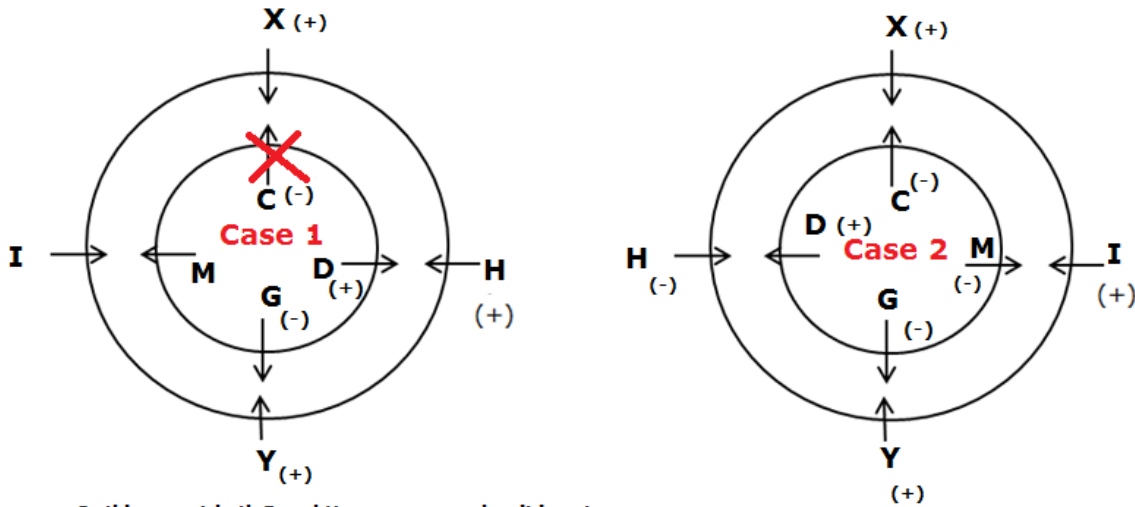


- Among C and I one of them is male.



In case 1, both D and H are same gender, it is not possible, it violates the given conditions, so this case is eliminated. We can also fix the gender of Y, H, X and M in case 2 (because of each team has one male and one female member. Team members are sitting opposite to each other). So case 2 will be the final arrangement.

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In this case 1 both D and H are same gender, it is not possible, so this case is eliminated.

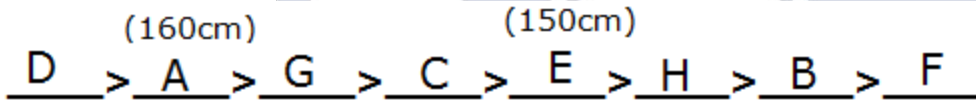
Direction (81-83):

81. Answer: a)

82. Answer: d)

83. Answer: d)

Solution:



Explanation:

- B is shorter than H who is taller than only two persons.

Case 1: _____ > _____ > _____ > _____ > _____ > H > B > _____

Case 2: _____ > _____ > _____ > _____ > _____ > _____ > H > _____ > B

- There are two person between C and B.

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Case 1: > > > C > > H > B >

Case 2: > > > > C > H > > B

- There are three person between E and D where E is shorter than D.

Case 1: D > > > C > E > H > B >

Case 2: > > D > > C > H > E > B

- Number of person taller than A is one more than that of number of person shorter than F. Case 2 is eliminated because we cannot fix the position of G and C.

Case 1: D > A > G > C > E > H > B > F

Case 2: > > D > ~~X~~ > C > H > E > B

- The height of second tallest person is 160cm and the height of Fourth shortest person is 150cm.

Case 1: D > ^(160cm) A > G > C > ^(150cm) E > H > B > F

Case 2: > > D > ~~X~~ > C > H > E > B

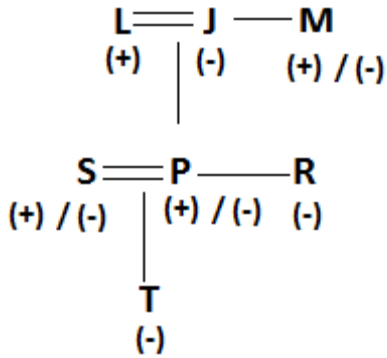
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(Direction: 84-85):

84. Answer: d)

85. Answer: b)

Explanation:



Directions (86-90):

86. Answer: a)

87. Answer: a)

88. Answer: e)

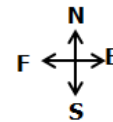
89. Answer: b)

90. Answer: b)

Solution:



Row/Seat number	Seat no.1	Seat no.2	Seat no.3	Seat no.4
Row 4		H		D
Row 3	J	E	I	F
Row 2		C		A
Row 1	G/B		G/B	K



Explanation:

- The seat and row number of I are same. we have four possible case
- ✓ Case1: Seat no-1 in Row-1

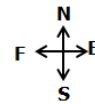
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- ✓ Case2: Seat no-2 in Row-2
- ✓ Case3: Seat no-3 in Row-3
- ✓ Case4: Seat no-4 in Row-4
- J sits second to the left of I. From this two statement we can fix the position of I in either seat number 3 or seat number 4.
- The difference between seat number of J and K is 3. by this statement the seat number of J should be 1 and seat number of K should be 4 and also seat number I should 3 and seated in row 3.
- K seated in row 1.

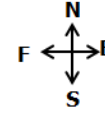
Row/Seat number	Seat no.1	Seat no.2	Seat no.3	Seat no.4
Row 4				
Row 3	J		I	
Row 2				
Row 1				K



- The row number of C is half of the row number of D. D sits at one of the extreme ends. So C seated in row 2 and D seated in row 4.
- So D should be seated in row 4, either at seat no-1 or seat no-4.
- D and E are seated in consecutive rows. So, E should be seated in row- 3. D and K are not seated in consecutive rows.
- F sits second to the right of E who sits exactly behind H who is not an immediate neighbor of D.

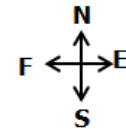
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Row/Seat number	Seat no.1	Seat no.2	Seat no.3	Seat no.4
Row 4		H		D
Row 3	J	E	I	F
Row 2				
Row 1				K



- C sits second to the left of A whose seat number is even number.

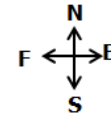
Row/Seat number	Seat no.1	Seat no.2	Seat no.3	Seat no.4
Row 4		H		D
Row 3	J	E	I	F
Row 2		C		A
Row 1				K



- B and G seated in odd number seats of the same row.
- At least two person seated in each row. From these statements we can fix the position of G and B in row 1 but position is uncertain. The final arrangement becomes,

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Row/Seat number	Seat no.1	Seat no.2	Seat no.3	Seat no.4
Row 4		H		D
Row 3	J	E	I	F
Row 2		C		A
Row 1	G/B		G/B	K



Directions (91-95):

- 91. Answer: a)
- 92. Answer: b)
- 93. Answer: d)
- 94. Answer: a)
- 95. Answer: e)

Solution:

Year/Month	Jan	Mar	Apr
2015	R	P	T
2016	J	I	L
2017	Q	K	S

Explanation:

- Difference between the age of T and S is 2 years. So they were born on 2015 and 2017 but not in same order.
- I was born in leap year in the month which has 31 days. Hence I was born on either January or March in 2016.
- Three persons were born between I and S. So the possible cases are

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Case 1

Year/Month	Jan	Mar	Apr
2015			T
2016	I		
2017			S

Case 2

Year/Month	Jan	Mar	Apr
2015	S		
2016		I	
2017	T		

Case 3

Year/Month	Jan	Mar	Apr
2015			T
2016		I	
2017			S

- Number of person born before P was same as after K and sum of their age is 6years.
- P was elder than k. So P and K were born on 2015 and 2017 respectively.

Case 1

Year/Month	Jan	Mar	Apr
2015		P	T
2016	I		
2017		K	S

Case 2

Year/Month	Jan	Mar	Apr
2015	S	P	
2016		I	
2017	T	K	

Case 3

Year/Month	Jan	Mar	Apr
2015		P	T
2016		I	
2017		K	S

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- Four persons were born between L and R.
- Only one person was born between L and J.
- Q was born after J. Case 3 is the final arrangement.

We cannot fix the position of L, J and R in case 1 and 2, so these cases are eliminated

Case 1

Year/Month	Jan	Mar	Apr
2015		P	T
2016	I		
2017		K	S

Case 2

Year/Month	Jan	Mar	Apr
2015	S	P	
2016		I	
2017	T	K	

Case 3

Year/Month	Jan	Mar	Apr
2015	R	P	T
2016	J	I	L
2017	Q	K	S



Directions (96-97):

96. Answer: d)

Explanation:

$B < A \leq R = K, S \geq G > K < I = N$

I) $S < A$ – False ($A \leq R = K < G \leq S$)

II) $R > G$ – False ($R = K < G$)

So Neither Conclusion I nor II follows

97. Answer: c)

Explanation:

$R \leq A = N \leq B \leq H = M$

I) $R = M$ – May be true

II) $M > R$ – May be true

So Either Conclusion I or II follows

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98) Answer: a)

Explanation:

DUPLICATE -> CVOKJBBSF

99) Answer: c)

Explanation:

INC / L / UDE → HMB / J / VEF
 { -1 } -2 { +1 }

100) Answer: a)

Explanation:

