

SBI Clerk Pre 2024-25 Memory Based Paper 01-Mar-2025-1st shift

Directions (1-5): In the sentence below, four words have been highlighted which may be misspelt or inappropriate in their usage. Mark the erroneous word as the answer and if all the words are correct in their spellings and usage, choose 'All are correct' as the answer.

Q1. Demonetization (A) taught (B) us to use various online platforms (C) for transactions (D).

- (a) demonetization
- (b) taught
- (c) platforms
- (d) transactions
- (e) All are correct

Q2. She started (A) reading (B) three chapters (C) of the novel (D).

- (a) started
- (b) novel
- (c) complete
- (d) chapters
- (e) All are correct

Q3. The teacher (A) appreciated (B) the efforts (D) of the students (C) in completing (E) their assignment (F) for the project (G).

- (a) expressed
- (b) appreciated
- (c) praising
- (d) efforts
- (e) All are correct

Q4. Despite (A) the difference (B) in their opinions (C), they always support each other (D) through thick and thin.

- (a) difference
- (b) remained
- (c) friends
- (d) supports
- (e) All are correct

Q5. The teacher tried to draw (A) students into the discussion (B) by asking extremely (C) thought-provoking questions (D).

- (a) drawn
- (b) discussion
- (c) extremely
- (d) questions
- (e) All are correct

Q6. Identify the correct sentence from the options given below.

- (a) The engineer designed a new software too improve cybersecurity.
- (b) The students revised its lessons before the final exam.
- (c) The volunteers planted trees to combat deforestation.
- (d) She drink herbal tea every night to improve digestion.
- (e) The team practiced hard before the championship's match.

Q7. Identify the correct sentence from the options given below.

- (a) The tourists explored the ancient ruins during their vacation.
- (b) The biologists studying marine life in the deep ocean.
- (c) She wake up early every day to catch the first bus to school.
- (d) The chef prepared a delicious meal for the guests.
- (e) The sun set behind the mountains.

Q8. Identify

- (a) The small child was crying because he was scared.
- (b) The professor explained the complex concept in a simple manner.
- (c) The river was flowing with a strong current.
- (d) The doctor prescribed a regular check-up for the patient.
- (e) The athlete won the gold medal in the 100-meter race.

Q9. Identify the correct sentence from the options given below.

- (a) The flight arrived at the international terminal on noon.
- (b) The television show was a huge success.
- (c) He reads the newspaper every morning.
- (d) The baker baked fresh bread every morning.
- (e) The thunderstorm caused a power outage in the entire town.

Q10. Identify the correct sentence from the options given below.

- (a) The astronaut traveled to the moon.
- (b) The activist fought for social justice.
- (c) The stock market crashed.
- (d) Historians study ancient manuscripts too understand past civilizations.
- (e) The pianist perform at the concert hall every Saturday.

Directions (11-16): In the following passage there are blanks, each of which has been denoted by a letter. For each blank, five options are given. Choose the most appropriate word from the options that fits the blank appropriately.

In 2021, a dangerous heat wave struck Northern America, leading to extreme temperatures _____(A) many surrounding regions. The heat wave caused record-breaking temperatures, _____(B) some areas experiencing over 45°C. The intense heat affected the environment and public health severely.

Wildfires spread rapidly, destroying forests and wildlife habitats. _____(C) firefighters worked tirelessly, the dry and hot conditions made it difficult to control the flames. Many people had to evacuate their homes, and emergency services were stretched _____(D) their limits.

The heat wave also impacted health services, with hospitals seeing a rise in heat-related illnesses, especially _____(E) vulnerable groups like the elderly and children. Authorities advised everyone to stay indoors and remain hydrated.

Experts pointed out that climate change might have contributed to this extreme event. They stressed the need for urgent actions _____(F) prevent similar disasters in the future.

Q11. Which of the following word best fits in blank (A)?

- (a) across
- (b) down
- (c) within
- (d) through
- (e) spate

Q12. Which of the following word best fits in blank (B)?

- (a) between
- (b) with
- (c) among
- (d) however
- (e) despite

Q13. Which of the following word best fits in blank (C)?

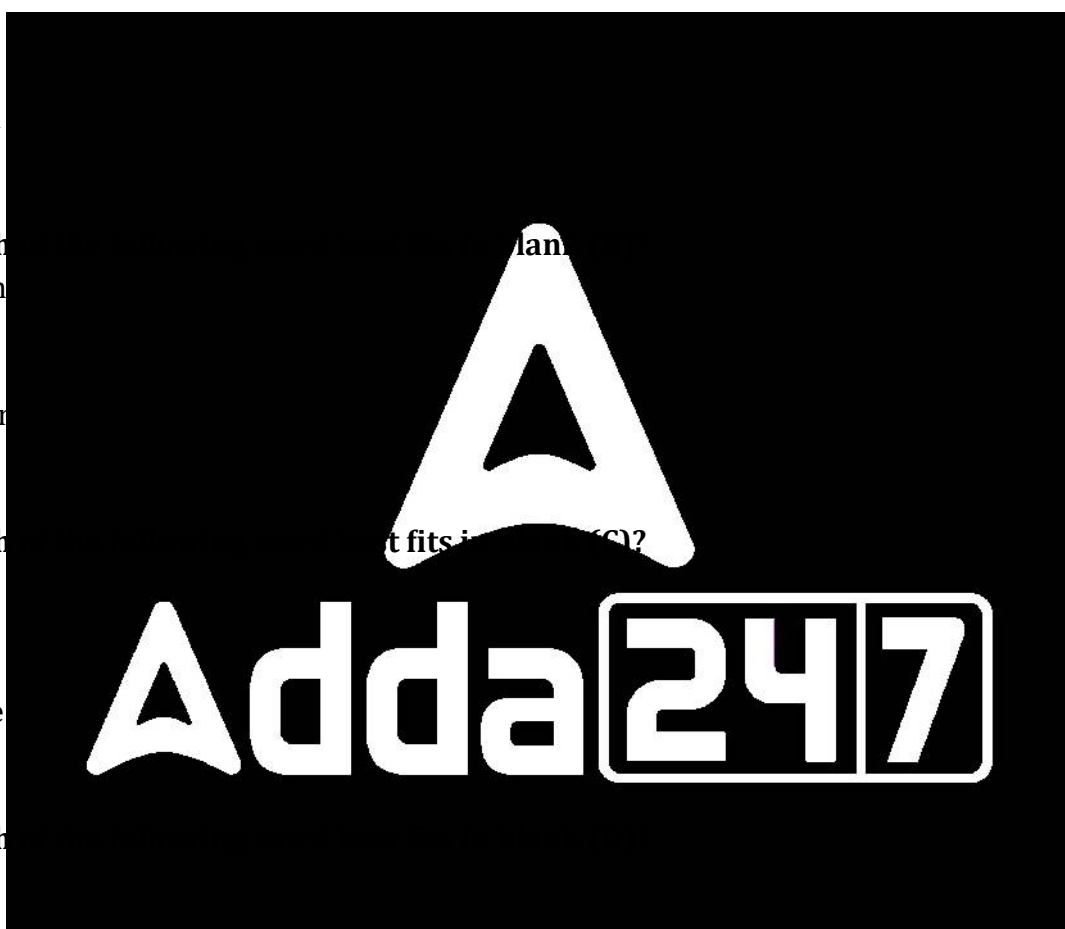
- (a) Until
- (b) For
- (c) While
- (d) Because
- (e) Again

Q14. Which of the following word best fits in blank (D)?

- (a) last
- (b) unless
- (c) under
- (d) beyond
- (e) yet

Q15. Which of the following word best fits in blank (E)?

- (a) too
- (b) among
- (c) out
- (d) beside
- (e) and



Q16. Which of the following word best fits in blank (F)?

- (a) on
- (b) for
- (c) by
- (d) in
- (e) to

Directions (17-25): Read the following passage and answer the given questions.

In our fast-paced world, maintaining a clean and organized space can have a profound impact on our mental well-being. Decluttering and cleaning not only enhance the appearance of our surroundings but also help us feel more at peace, reducing stress and anxiety. A clutter-free environment fosters clarity, productivity, and a sense of control. Sometimes, however, the task of decluttering can feel **daunting**.

One of the biggest challenges is the sheer volume of items that accumulate over time. In reality, it is often difficult to decide what to keep and what to discard. The process of removing unnecessary items can be overwhelming, especially when dealing with sentimental objects. The result is a space that feels cramped and cluttered, which can negatively impact our mood and productivity.

The impacts of clutter are far-reaching. It can hinder our ability to focus, increase stress levels, and even affect our sleep quality. When our surroundings are chaotic, our minds tend to be distracted, making it harder to concentrate on tasks. On the other hand, a clutter-free space promotes calmness and clarity, which can help us stay motivated and focused. A clean environment also fosters a sense of accomplishment and pride in our living space.

That being said, decluttering doesn't have to be a daunting task. It can be made easier by starting small and focusing on one area at a time. For example, you could start by clearing out a single drawer or a shelf. As you progress, you may find it easier to tackle larger areas. Hiring a professional organizer can also be helpful, as they can provide guidance and support throughout the process. Ultimately, decluttering is not just about tidying up—it is a form of self-care and a regular habit, we can create a more peaceful and organized environment that truly matters.

Q17. Identify

- (a) Decluttering is a challenging task for many people.
- (b) People struggling with decision-making may find decluttering particularly challenging.
- (c) Hiring a professional organizer is the only reliable way to ensure a clutter-free space.
- (d) Both a and b
- (e) All ab, b, c

Q18. Which of the following is the antonym of "daunting" as used in the passage?

- (a) Encouraging
- (b) Overwhelming
- (c) Intimidating
- (d) Discouraging
- (e) Challenging

Q19. Which of the following is the synonym of "vying" as used in the passage?

- (a) Competing
- (b) Ignoring
- (c) Surrendering
- (d) Hesitating
- (e) Negotiating

Q20. Choose the most appropriate word to fill in the blank:

- (a) demanding
- (b) seeking
- (c) ignoring
- (d) refusing
- (e) avoiding

Q21. What

- (a) Feeling t
- (b) Being ph
- (c) Enjoying
- (d) Making s
- (e) Becomin

Q22. What

- (a) It helps m
- (b) It enhan
- (c) It suppress
- (d) Both (a)
- (e) All (a), (b), (c)

Q23. Identifi

- (a) Declutte
- (b) A clutter
- (c) Decluttering is a one-time process that eliminates the need for future organization.
- (d) Both a and b
- (e) All ab, b, c

Q24. Why is a gradual approach to decluttering considered more effective than completing it in a single day?

- (a) It helps individuals avoid making impulsive decisions when discarding items.
- (b) It ensures that people will never accumulate clutter in the future.
- (c) It minimizes the risk of feeling physically exhausted from excessive cleaning.
- (d) It allows decluttering to become a lasting habit, preventing future mess.
- (e) It eliminates the need for external assistance from friends or professional organizers.

Q25. What role does a clean and organized space play in enhancing productivity, according to the passage?

- (a) It eliminates the need for any further cleaning.
- (b) It creates distractions that stimulate creativity.
- (c) It fosters clarity and a sense of control, which improves productivity.
- (d) It primarily focuses on physical health rather than mental well-being.
- (e) It encourages a more chaotic and spontaneous lifestyle.

Directions (26-30): The following question contains a sentence which has been divided into four parts which might not be in their correct order of narrative. The sentence is then followed by five options, one of which contains the sentence in its original order. The sentence is already arranged in the options. The correct answer is the one which requires "No rearrangement required" as the answer.

Q26.

- (A) announce the verdict
- (B) verdict announced
- (C) all evidence presented
- (D) the judge announced the verdict
- (a) BDCA
- (b) BADC
- (c) DABC
- (d) DCBA
- (e) No rearrangement required

Q27.

- (A) fashion collection at the
- (B) prestigious fashion show
- (C) the talented designer
- (D) showcased the collection
- (a) ABDC
- (b) CDAB
- (c) ADCB
- (d) DBCA
- (e) No rearrangement required

Q28.

- (A) the cheerful toddler
- (B) building blocks
- (C) giggled joyfully while
- (D) playing with colorful

- (a) ACDB
- (b) ACBD
- (c) BACD
- (d) BADC
- (e) No rearrangement required

Q29.

- (A) upcoming critical mission
- (B) prepare for the
- (C) trained rigorously to
- (D) the brave soldiers

- (a) BDCA
- (b) DABC
- (c) BACD
- (d) DCBA
- (e) No rearrangement required

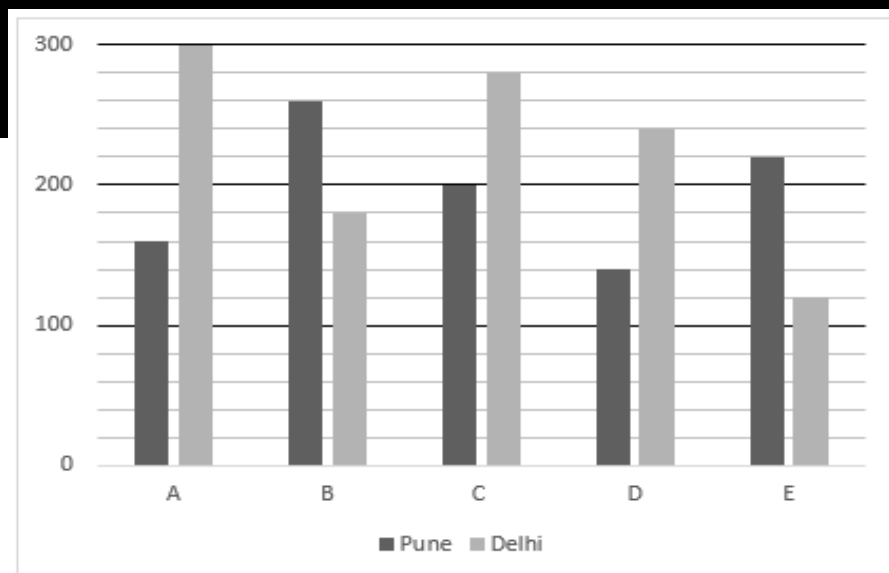
Q30.

- (A) through
- (B) learning
- (C) the adva
- (D) learned

- (a) DACB
- (b) BDAC
- (c) CDAB
- (d) ADBC
- (e) No rearrangement required

Directions
below. The
five differ

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Q31. Find the ratio of the total number of people who take flight for Pune from D to total number of people who take flight for Delhi from A.

- (a) 15:11
- (b) 7:15
- (c) 9:11
- (d) 7:9
- (e) 9:13

Q32. The total number of people who take flight for Delhi from C is what percentage more or less than the total number of people who take flight for Pune from D?

- (a) 83.33%
- (b) 66.67%
- (c) 50%
- (d) 75%
- (e) 100%

Q33. The total number of people who take flight for Pune from A is how many more or less than the total number of people who take flight for Delhi from B.

- (a) 5
- (b) 10
- (c) 15
- (d) 25
- (e) 20

Q34. Find the percentage of total number of people who take flight for Pune from A to total number of people who take flight for Delhi from B.

- (a) 240
- (b) 180
- (c) 220
- (d) 190
- (e) 150

Q35. The total number of people who take flight for Pune from A is what percentage of the total number of people who take flight for Delhi from E?

- (a) 125%
- (b) 166.67%
- (c) 133.33%
- (d) 175%
- (e) None of these

Directions (36-40): Read the following information carefully and answer the questions given below.

In class 8th : The total number of students in the class is 60, and 40% of boys are in the class.

In class 9th : The ratio of the boys in the class to girls in 8th class is 7:4, respectively. The total students in the class are 40% more than those in 8th class.

In class 10th : The total girls in the class is $14\frac{2}{7}\%$ more than that of in 9th class, and the total boys in the class is 16.67% less than that of in 8th class.

Q36. Find the difference between the total boys in class 8th and the total girls in class 9th.

- (a) 3
- (b) 7
- (c) 8
- (d) 4
- (e) 5

Q37. Find the ratio of the total boys in class 8th and 9th together.

- (a) 44 : 79
- (b) 43 : 87
- (c) 45 : 83
- (d) 42 : 89
- (e) None of these

Q38. Total percentage increase in the total number of students in class 10th over class 8th is

- (a) 101%
- (b) 103.33%
- (c) 110%
- (d) 105%
- (e) 108%

Q39. Find the average boys in class 8th and the girls in class 9th.

- (a) 24
- (b) 12
- (c) 28
- (d) 16
- (e) 20

Q40. The total boys in class 11th is 5 more than the average girls in class 8th and 10th. If the total students in class 11th is 25% more than that of class 9th, then find the total girls in class 11th.

- (a) 100
- (b) 70
- (c) 80
- (d) 90
- (e) 120

Q41. A and B can complete a work in 15 days, B and C together can complete the work in 20 days, while C and A can complete the whole work in 30 days. Find the number of days taken by A, B, and C together to complete the work.

- (a) 5
- (b) 8.33
- (c) 10
- (d) 12.5
- (e) 13.33

Q42. Anita started a business with an investment of Rs 5000. After six months, Banita joined with an investment of Rs 4000, and Anita increased her investment by Rs 1000. At the end of the year, total profit

- (a) 28600
- (b) 23400
- (c) 25600
- (d) 21400
- (e) 22500

Q43. Train A crosses a platform in 30 sec and train B crosses the same platform in 40 sec. If the speed of train A is 50 m/sec and the speed of train B is 40 m/sec, then the time (in seconds) taken by train C to cross the platform is

- (a) 80
- (b) 70
- (c) 50
- (d) 40
- (e) 90

Q44. The area of a triangle is 165 sq. cm and the ratio of the height to the base of the triangle is 9:7, respectively. If the base of the triangle is equal to the radius of a circle, then find the circumference of the circle.

- (a) 32
- (b) 60
- (c) 44
- (d) 22
- (e) 28

Q45. X number of people in town A, and 10% of the people from town A go abroad. If 25% of the remaining people in town A go to town B and the total people in town B is 9000, then the number of people in town A.

- (a) 20000
- (b) 25000
- (c) 40000
- (d) 44000
- (e) 36000

Directions (46-55): What will come in the place of question (?) mark in following the question:

Q46. $250 \div 5 + 18 \times 12 = ?$

- (a) 201
- (b) 190
- (c) 234
- (d) 240
- (e) 266

Q47. $28^2 + 16 = ?\% \text{ of } 20$

- (a) 1500
- (b) 2500
- (c) 4500
- (d) 4000
- (e) 3000

Q48. $\frac{128}{4} + \frac{450}{9} = ? \times 2$

- (a) 41
- (b) 43
- (c) 42
- (d) 45
- (e) 49

Q49. $\frac{1}{3} \text{ of } 366 + \frac{2}{9} \text{ of } 540 = ? \div 4$

- (a) 967
- (b) 987
- (c) 958
- (d) 978
- (e) 968

Q50. $\sqrt{1521} + 11 = ? + 15$

- (a) 42
- (b) 40
- (c) 35
- (d) 43
- (e) 39

Q51. $1.8 \times 4 + 22.5 + 124.5 = ?$

- (a) 123.3
- (b) 144.5
- (c) 154.2
- (d) 189.8
- (e) 127.4

Q52. $240 - 120 + 349 - 109 = ?$

- (a) 360
- (b) 240
- (c) 120
- (d) 180
- (e) 250

Q53. $2^4 \div 32 \times 4^2 = 2^?$

- (a) 2
- (b) 3
- (c) 5
- (d) 4
- (e) 1

Q54. 28% of

- (a) 3
- (b) 2
- (c) 4
- (d) 6
- (e) 5

Q55. 19.2×4

- (a) 81.6
- (b) 87.4
- (c) 82.3
- (d) 84.5
- (e) 88.9

Directions

solve both

You have to

Q56. I. $x^2 - 16x + 63 = 0$

II. $y^2 - 21y + 108 = 0$

- (a) If $x > y$
- (b) If $x \geq y$
- (c) If $x < y$
- (d) If $x \leq y$
- (e) If $x = y$ or no relation can be established between x and y

Q57. I. $x^2 - 20x + 75 = 0$

II. $y^2 + 13y - 68 = 0$

-
- (a) If $x > y$
(b) If $x \geq y$
(c) If $x < y$
(d) If $x \leq y$
(e) If $x = y$ or no relation can be established between x and y

Q58. I. $x^2 - 27x - 124 = 0$

II. $y^2 - 24y + 95 = 0$

- (a) If $x > y$
(b) If $x \geq y$
(c) If $x < y$
(d) If $x \leq y$
(e) If $x = y$ or

Q59. I. $x^2 - 2$

II. $y^2 - 31y +$

- (a) If $x > y$
(b) If $x \geq y$
(c) If $x < y$
(d) If $x \leq y$
(e) If $x = y$ or

Q60. I. $x^2 - 1$

II. $y^2 - 33y +$

- (a) If $x > y$
(b) If $x \geq y$
(c) If $x < y$
(d) If $x \leq y$
(e) If $x = y$ or

Q61. A shopkeeper offers successive discounts of 10% and 20% on the marked price of an article. If the selling price is Rs. 144, find the marked price of the article.

- (a) 20
(b) 10
(c) 15
(d) 5
(e) 12

Q62. A boat can cover 150 km downstream in 10 hours and 60 km upstream in 12 hours. If the speed of the boat and the current each increased by 5 km/hr, then find the time taken by the boat to cover 30 km upstream.

- (a) 8 hours
- (b) 5 hours
- (c) 2 hours
- (d) 3 hours
- (e) 6 hours

Q63. A mixture contains 85 liters of milk and water in the ratio of 10:7, respectively. If X liters of water are added to the mixture, then the ratio of milk to water becomes 10:9, respectively. Find X.

- (a) 20
- (b) 12
- (c) 5
- (d) 10
- (e) 25

Q64. The average age of A and B is 30 years ($A > B$) and the difference between their ages is 10 years. Find the age of A.

- (a) 36
- (b) 24
- (c) 15
- (d) 10
- (e) 40

Q65. The ratio of A to B is 3:2. If A increased by 20%, then the new ratio of A to B is (where A and B are integers).

- (a) 22
- (b) 12
- (c) 20
- (d) None of these
- (e) Can't be determined

Directions: Read the following information carefully and answer the questions given below:

In a certain code,

"Reach check class rain" is coded as "MN OZ HF ED"

"Class rain vision best" is coded as "HF MN JK LO"

"Reach store best vision" is coded as "LO JK OZ BO"

"Rain check school vision" is coded as "ED HF TM JK"

Q66. What is the code for the word pair "Vision best"?

- (a) BO ED
- (b) JK BO
- (c) JK LO
- (d) LO ED
- (e) Can't be determined

Q67. Which word among the following is coded as "TM"?

- (a) Reach
- (b) Check
- (c) School
- (d) Rain
- (e) Either Rain or School

Q68. What is the code for the statement "Store Check Rain" in the given code language?

- (a) BO MN OZ
- (b) BO HF ED
- (c) MN HF ED
- (d) HF ED JK
- (e) HF BO LO

Q69. Which

- (a) "School"
- (b) "Reach"
- (c) "Best store"
- (d) Both (a) and (b)
- (e) Both (b) and (c)

Directions: In each question below, some statements are given, followed by two conclusions. You have to decide which of the conclusions logically follow(s) from the given statement(s), disregarding commonly known facts. Choose the correct answer from the options given below.

Q70. Statement: Only a few grapes are short.

Some grapes are pink.

No fruit is pink.

Conclusion:

I. No grapes are pink.

II. Some grapes are pink.

- (a) If only conclusion I follows
- (b) If only conclusion II follows
- (c) If either conclusion I or II follows
- (d) If neither conclusion I nor II follows
- (e) If both conclusions I and II follow

Q71. Statements: Only a few maths is easy

Some easy is grow

All grow is rare

Conclusions:

I. All maths is rare

II. Some easy is rare

(a) If only conclusion I follows

(b) If only conclusion II follows

(c) If either conclusion I or II follows

(d) If neither conclusion I nor II follows

(e) If both conclusions I and II follow

Q72. Statements: Some white is green

All green are paper

No paper is

Conclusion

I. Some white

II. Some white

(a) If only co

(b) If only co

(c) If either

(d) If neither

(e) If both co

Directions

the statement

given state

the relationship b

followed by conclusion

is shown in

based on the

Q73. Statem

Conclusion

II. $W > B$

(a) If only co

(b) If only co

(c) If either

(d) If both c

(e) If neither conclusion I nor II is true

Q74. Statements: $A < D > U \leq N$; $D < P \leq L$

Conclusions: I. $U < L$

II. $P > N$

(a) If only conclusion I is true

(b) If only conclusion II is true

(c) If either conclusion I or II is true

(d) If both conclusions I and II are true

(e) If neither conclusion I nor II is true

Q75. Statements: $M < K = O \geq P$; $K \leq R > E$

Conclusions: I. $O < E$

II. $R \geq P$

- (a) If only conclusion I is true
- (b) If only conclusion II is true
- (c) If either conclusion I or II is true
- (d) If both conclusions I and II are true
- (e) If neither conclusion I nor II is true

Q76. How many pairs of letters are in the word "RELAXING" in both forward and backward directions,

- (a) Four
- (b) Two
- (c) Three
- (d) One
- (e) More than one

Q77. In the following series, if the positions of all the vowels are changed to the positions of the consonants (and vice versa), then all the letters in the series will be in alphabetical order. Which letter will be at the 10th position from the right end?

- (a) S
- (b) R
- (c) P
- (d) V
- (e) F

Directions: Read the following information carefully and answer the questions given below:

Point A is 10m north of point B. Point C is 5m east of point B. Point D is 7m south of point B. Point E is 5m north of point F. Point G is 10m west of point H. Point I is 5m east of point J. Point K is 10m south of point L. Point M is 5m north of point N. Point O is 10m west of point P. Point Q is 5m east of point R. Point S is 10m south of point T. Point U is 5m north of point V. Point W is 10m west of point X. Point Y is 5m east of point Z.

Q78. In which direction point G with respect to point B?

- (a) South-east
- (b) North-east
- (c) North-west
- (d) South-west
- (e) North

Q79. If point H is 4m west of point D then what is the shortest distance between point A and point H?

- (a) 6m
- (b) 8m
- (c) 7m
- (d) 10m
- (e) Can't be determined

Q80. What is the shortest distance between point B and point G?

- (a) 34m
- (b) 32m
- (c) $\sqrt{35}$ m
- (d) $\sqrt{34}$ m
- (e) None of these

Directions

5 7 3 4 5 4 6

Given below:

Q81. How many triangles are there in the figure?

- (a) Four
- (b) Two
- (c) Three
- (d) One
- (e) More than one

Q82. If we rearrange the elements in descending order then how many elements will be greater than six than which element will be at the right end?

- (a) 2
- (b) 4
- (c) 1
- (d) 3
- (e) None of these

Q83. What is the sum of the elements which are fourth from the left and fourth from the right?

- (a) 24
- (b) 25
- (c) 23
- (d) 22
- (e) 26

Q84. Which of the following element is 4th to the left of 9th element from the right end?

- (a) 1
- (b) 9
- (c) 2
- (d) 7
- (e) 8



Directions (85-87): Study the following information carefully and answer the questions given below:

Six persons L, M, N, O, P and Q are of different weights, but not necessarily in the same order.

N is lighter than O. P is heavier than M. O is not heavier than P. L is lighter than O. The weight of the third heaviest person is 65Kg. M is lighter than O. M is heavier than N and L. P is lighter than Q.

Note: Weight of all the persons is a whole number.

Q85. Who among the following is the second lightest person?

- (a) M
- (b) O
- (c) N
- (d) L
- (e) Can't be determined

Q86. What is the weight of the heaviest person?

- (a) 66 kg
- (b) 64 kg
- (c) 78 kg
- (d) 60kg
- (e) 61 kg

Q87. How many persons are heavier than P?

- (a) Four
- (b) Two
- (c) Three
- (d) One
- (e) Can't be determined

Directions (88-90): Study the following information carefully and answer the questions given below.

Eight persons U, V, W, X, Y, Z, T and R are sitting around a square table. Four of them sit at four corners and face inside the table. The remaining four sit on the four sides and face outside, but not necessarily in the same order.

R sits at one of the corners. Two persons sit between R and Q. V sits immediately to the left of Q. T sits second to the right of P. T and R are not immediate neighbours. Three persons sit between S and W. Both S and W are not the immediate neighbours of U. W and T are not immediate neighbours.

Q88. Who among the following sits fifth to the right of U?

- (a) V
- (b) W
- (c) T
- (d) S
- (e) P

Q89. What is the position of W with respect to P?

- (a) Third to the left
- (b) Third to the right
- (c) Fourth to the right
- (d) Fifth to the left
- (e) Second to the right

Q90. Which among the following statements is/are true?

- (a) Q sits second to the right of T.
- (b) V and W are not immediate neighbours.
- (c) P sits immediate left of R.
- (d) U sits immediate right of Q.
- (e) Two persons sit between T and V.

Q91. How many persons sit between P and Q?

- (a) One
- (b) Two
- (c) Five
- (d) Three
- (e) Four

Q92. Four of the following persons are sitting in a certain way and one person is sitting in the same way as the one who doesn't belong to the group. Which one of the following is the person who doesn't belong to the group?

- (a) V
- (b) S
- (c) P
- (d) R
- (e) T

Directions: Read the following information carefully and answer the questions given below.

Seven persons are sitting in a row in the same order.

Three boxes were placed between Box C and Box E. Two Boxes were placed between Box A and Box E. Box B is placed immediately below Box E. Box G is placed immediately above Box A. The number of boxes placed above Box F is same as the number of boxes placed below Box D. Box F is not placed at the bottom-most position.

Q93. Which among the following boxes is placed five boxes below Box E?

- (a) Box C
- (b) Box D
- (c) Box A
- (d) Box F
- (e) None of these

Q94. What is the position of Box A from the bottom?

- (a) Fourth
- (b) Fifth
- (c) Second
- (d) First
- (e) Third

Q95. How many boxes are placed between Box C and Box F?

- (a) Three
- (b) Four
- (c) One
- (d) Two
- (e) None of these

Q96. The number of boxes placed below Box A is _____.

- (a) Box G
- (b) Box C
- (c) Box E
- (d) Box A
- (e) Box D

Q97. If Box A is placed in the same way Box B is placed, which among the following is correct?

- (a) Box A
- (b) Box G
- (c) Box C
- (d) Box B
- (e) Box E

Directions In each of the questions given below:

A certain number of persons are sitting in a row facing North. P sits second to the left of T. T sits fourth from one of the extreme ends of the row. Five persons sit between P and V. P sits to the left of V. R sits third to the right of V. R sits third from one of the extreme ends of the row. The number of persons sit to the right of R is same as the number of persons sit to the left of Q. M sits second to the left of Q.

Q98. What is the position of M with respect to V?

- (a) Ninth to the right
- (b) Eighth to the left
- (c) Ninth to the left
- (d) Eighth to the right
- (e) Tenth to the left.

Q99. Who sits exactly between Q and S?

- (a) S
- (b) The one who immediate right of T.
- (c) P
- (d) T
- (e) None of these

Q100. What is the total number of persons sitting in the row?

- (a) 13
- (b) 14
- (c) 16
- (d) 15
- (e) 11

Solutions

S1. Ans.(e)

Sol. All the words are correctly spelled and

Meanings of

- **Demote** – To remove or reduce in rank, especially removing the rank of an officer, making it invalid for further promotion.
- **Taught** – To have acquired knowledge or skill.
- **Platform** – A raised area or stage, especially one used for public speaking or as online transaction.
- **Transaction** – Financial exchanges or deals, such as purchasing goods or services for money.

S2. Ans.(e)

Sol. All the words are correctly spelled and

Meanings of

- **Start** – To begin or commence.
- **Novel** – A long story or narrative.
- **Completed** – Finished or brought to an end.
- **Chapters** – Sections or divisions of a book.

S3. Ans.(b)

Sol. The word "**appereciation**" is incorrect. The correct spelling is "**appreciation**."

Meanings of the words:

- **Expressed** – Communicated or conveyed a thought, feeling, or idea.
- **Appreciation** – Recognition and gratitude for something or someone's effort.
- **Praising** – Speaking positively about someone to show admiration or approval.
- **Efforts** – Physical or mental exertion applied to achieve something.

S4. Ans.(d)

Sol. The verb "**supports**" is incorrect in this context because "**remained**" is in the past tense. The correct form should be "**support**."

Meanings of the words:

- **Differences** – Distinctions or disagreements between people or things.
- **Remained** – Continued to be in a particular state.
- **Friends** – People who share a close bond and mutual affection.
- **Support** – To help, encourage, or assist someone.

S5. Ans.(a)

Sol. The phrase "to be" is the infinitive form of the verb (infinitive).

Meanings of the words:

- **Draw** – To pull or to seek.
- **Disc** – A small, thin, circular object.
- **Extre** – To the end or limit.
- **Ques** – A question or problem to be solved.

S6. Ans.(c)

Sol. Here's the correct form for grammatical rules:

Sentence (a) ✖

"The engine is too improve cyber."

- **Error** – "Too" is incorrect because it is used for comparison, not for improvement.
- **Error** – "improve" is an uncountable noun and should not take "a".

✓ **Correction** – "The engine is too improve cyber."

Rule:

1. "**Too**" is used for comparison, not for improvement.
2. **Uncountable** nouns do not take "a".

Sentence (b): ✖ **Incorrect**

"The students revised its lessons before the final exam."

- **Error:** "its" is incorrect because "students" is **plural** and requires the plural possessive pronoun "their".

✓ **Correction:** "The students revised their lessons before the final exam."

Rule:

1. **Pronoun-antecedent agreement:** A pronoun must agree in number and gender with its antecedent. "Students" (plural) requires "their" instead of "its".

Sentence (c): ✓ **Correct**

"The volunteers planted trees to combat deforestation."

- **No grammatical errors.**

✓ Rule:

1. **Correct verb tense:** "Planted" is the correct past tense of "plant" and matches the subject "volunteers".
2. **Infinitive structure ("to combat") correctly indicates purpose.**

Sentence (d): ✗ Incorrect

"She drink herbal tea every night to improve digestion."

- **Error:** "drink" should be "drinks" because the subject "She" is **singular**, and in the present simple tense, third-person singular subjects take an **-s ending** on the verb.

✓ **Correction:** "She drinks herbal tea every night to improve digestion."

Rule:

1. **Subject-verb agreement:** In the present simple tense, third-person singular subjects (**he, she, it**) re

Sentence (e) ✗

"The team p

- **Error:** "play" is an adjective modifying "team" and does not match".

✓ **Correction:** "The team ch

Rule:

1. **Poss** ... **descriptive n** ... **actively (like** "char ... it does not ta
2. **Corr** ... **correct past ten**

Final Answer ✓ **Correct sentence:**

S7. Ans.(a)

Sol. Here is ... **along with strict grammatical**

Sentence (a) ✓
"The tourists were the ancient ruins during the vacation."

- No grammatical errors.

✓ Rule:

1. **Past**
2. **Pron**

Sentence (b) ✗

"The biologists studying marine life in the deep ocean.

- **Error:** This is a **sentence fragment** because there is no main verb. "Studying" is a present participle and needs a helping verb (e.g., "are studying").

✓ **Correction:** "The biologists are studying marine life in the deep ocean."

Rule:

1. **A complete sentence must have a subject and a verb.** A participle (e.g., "studying") without a helping verb ("are studying") creates a fragment.

Sentence (c): ✗ Incorrect

"She wakes down early to prepare breakfast for her family."

- **Error:** "wakes down" is incorrect because "wake" does not take the preposition "down." The correct verb is simply "wakes up" or "wakes."

✓ **Correction:** "She wakes up early to prepare breakfast for her family."

Rule:

1. **Correct phrasal verb usage:** "Wake up" is the correct phrase meaning "to rise from sleep." "Wake down" is not a valid phrase.

Sentence (d): ✗ **Incorrect**

"The chef experimented with new spices to created a unique dish."

- **Error:** "to created" is incorrect because "to" (infinitive marker) must be followed by the **base form** of the verb, not the past tense. It should be "to create."

✓ **Correction:** "The chef experimented with new spices to create a unique dish."

Rule:

1. **Infinitive verb rule:** After "to," always use the **base form** of the verb (e.g., "to create" instead of "to created").

Sentence (e): ✗

"The sun set

- **Error:** "set" is incorrect because "set" is the past tense of "set." The correct form is "sank." The sentence should be "The sun sank into the orange, and yellow clouds."

✓ **Correction:** "The sun sank into the orange, and yellow clouds."

Rule:

1. **Correct verb form:** Use the correct form of the verb ("sank" instead of "set") associated with the subject.

Final Answer: ✓ **Correct sentence.**

S8. Ans.(e)

Sol. Here's the correct sentence: "The smartest battery lasted longer after the race to update the system with strict grammatical rules."

Sentence (a): ✗

"The smartest battery lasted longer after the race to update the system with strict grammatical rules."

- **Error:** "lasted" should be "lasts" because "battery" is a singular noun, and "lasts" is the present tense, a singular verb form. It requires a verb with an -s ending.

✓ **Correction:** "The smartest battery lasts longer after the race to update the system with strict grammatical rules."

Rule:

1. **Subject-verb agreement:** The subject "battery" is singular, so the verb must be singular (e.g., "he runs," "she writes," "the battery lasts").

Sentence (b): ✗ **Incorrect**

"The professor explains complex concepts use simple examples."

- **Error:** "use" should be **"using"** because "using simple examples" should function as a **present participial phrase** modifying "explains".

✓ **Correction:** "The professor explains complex concepts using simple examples."

Rule:

1. **Correct participle usage:** When describing **how** something is done, use a present participle (verb + -ing), e.g., "He teaches physics using real-world applications."

Sentence (c): ✗ **Incorrect**

"The river flows thorough the valley, providing water to nearby villages."

- **Error:** "thorough" is incorrect; it should be "through."
 - "Thorough" means "detailed" or "careful."
 - "Through" means "passing from one side to another," which is correct in this context.

✓ **Correction:** "The river flows through the valley, providing water to nearby villages."

Rule:

1. **Homophone distinction:** "Through" (movement across space) vs. "Thorough" (detailed or complete).

Sentence (d): ✗ **Incorrect**

"The doctor advised him/her to exercise regular for better heart health."

- **Error:** "regular" should be "regularly" because it is modifying the verb "exercise." **Adverbs, not adjectives, modify verbs.**

✓ **Correction:**

Rule:

1. **Adverbs** modify verbs, adjectives, or other adverbs. They often end in "-ly" (e.g., "regularly").

Sentence (e): ✓

"The athlete ran 100 meters in under a minute."

- No error.

✓ **Rule:**

1. **Past tense** verbs indicate an action that has already happened.
2. **Correct** use of tense is essential for clarity in writing.

Final Answer: ✓ **Correct sentence.**

S9. Ans.(d)

Sol. Here's the correct sentence using with strict grammatical

Sentence (a): ✗ **Incorrect**
 "The flight from international terminal at noon."

- **Error:** "at noon" is incorrect. The correct preposition is "on" because "noon" is used for specific times.

✓ **Correction:**

Rule:

1. **Correct** use of prepositions is essential for clarity in writing.
 - **At** is used for specific times (e.g., "at 3 PM," "at noon," "at midnight").
 - **On** is used for specific days/dates (e.g., "on Monday," "on July 4th").
 - **In** is used for longer time periods (e.g., "in June," "in 2023," "in the morning").

Sentence (b): ✗ **Incorrect**

"The telescope captured an stunning image of a distant galaxy."

- **Error:** "an stunning" is incorrect because "stunning" starts with a **consonant sound** ("s"), so it should be **"a stunning"** instead of "an stunning."

✓ **Correction:** "The telescope captured a stunning image of a distant galaxy."

Rule:

1. Use **"a"** before words that begin with a **consonant sound** (e.g., "a book," "a university").
2. Use **"an"** before words that begin with a **vowel sound** (e.g., "an apple," "an hour").

Sentence (c): ❌ Incorrect

"He reads a novel before going too bed every night."

- **Error:** "too" is incorrect. The correct word is **"to"** because it indicates direction or movement. "Too" means "excessively" or "also," which does not fit here.

✓ **Correction:** "He reads a novel before going to bed every night."

Rule:

1. **"Too" vs. "To":**
 - **"To"** is a preposition (e.g., "go to school," "talk to him").
 - **"Too"** means "also" or "excessively" (e.g., "I am too tired," "She is coming too").

Sentence (d): ✅ Correct

"The bakery sells freshly baked bread every morning."

- No grammatical errors.

✓ **Rule:**

1. **Correct tense usage:** The sentence uses the present simple tense ("sells") correctly for a habitual action.
2. **Correct adjective usage:** "Freshly baked" is used as an adjective to describe the bread.

Sentence (e): ❌ Incorrect

"The thunder is heard from the town."

- **Error:** "The thunder" is a noun phrase, but "is heard" is a verb. This is an adjective error. "The thunder" is an adjective instead of a noun. ("entirely" is an adjective instead of an adverb).

✓ **Correction:** "The thunder is heard from the town." (power outage)

Rule:

1. **Adjective usage:** Verbs modify verbs. "The thunder" is a noun phrase, but "is heard" is a verb. This is an adjective error. "The thunder" is an adjective instead of a noun. ("entirely" is an adjective instead of an adverb).

Final Answer: ✅ Correct

S10. Ans.(b)

Sol. Here's the grammatical analysis of each sentence along with the grammatical error.

Sentence (a): ❌ Incorrect

"The astronaut"

- **Error:** "The astronaut" is a noun phrase, but "is a present" is a verb. This is a present participle error. "The astronaut" is a present participle instead of a noun.

✓ **Correction:** "The astronaut is conducting research aboard the space station."

Rule:

1. **A complete sentence must have a subject and a verb.**
 - "Conducting" (present participle) alone does not form a complete sentence. A helping verb is required (e.g., "are conducting").

Sentence (b): ✅ Correct

"The activists campaigned for equal education opportunities."

- No grammatical errors.

✓ **Rule:**

1. **Past simple tense is correctly used** – "campaigned" correctly indicates a completed action.
2. **Correct preposition usage:** "For" correctly follows "campaigned" in this context.

Sentence (c): ❌ Incorrect

"The stock market fluctuates based in global economic trends."

- **Error:** "based in" is incorrect. The correct phrase is "**based on**" because "based on" is the correct collocation to show dependency.

✓ **Correction:** "The stock market fluctuates based on global economic trends."

Rule:

1. **Preposition usage:** "Based on" is the correct phrase, not "based in."
 - "**Based on**" → used to indicate the foundation of something (e.g., "His decision was based on facts.").
 - "**Based in**" → used for location (e.g., "The company is based in New York.").

Sentence (d): ❌ Incorrect

"Historians

- **Error:** "based on" is incorrect. The correct phrase is "**based in**" because "based in" is the correct collocation to show dependency.

✓ **Correction:**

Rule:

1. "**Based on**" is the correct phrase, not "based in."
 - "**Based on**" → used to indicate the foundation of something (e.g., "His decision was based on facts.").
 - "**Based in**" → used for location (e.g., "The company is based in New York.").

Sentence (e): ❌ Incorrect

"The pianist

- **Error:** "based on" is incorrect. The correct phrase is "**based in**" because "based in" is the correct collocation to show dependency.

✓ **Correction:**

Rule:

1. **Subject-verb agreement:** "The pianist" is a singular subject, so the verb must be in the singular form (e.g., "The pianist **is** playing").

Final Answer: ✓ Option (A) is the correct sentence.

S11. Ans. (a)

Sol. Given s

"In 2021, a d

many surrou

Options and Analysis:

1. **Across (सभी जगह / पार - from one side to the other of a place)** ✓ (Correct choice)
 - "Across" fits well because it indicates that the extreme temperatures affected a **wide area** of **surrounding regions**, which aligns with the idea of a widespread heat wave.
2. **Down (नीचे - towards a lower place or position)** ❌ (Incorrect)
 - "Down" is used to indicate a **downward direction**, which does not fit the context of **widespread temperature effects**.
3. **Within (के भीतर - inside a particular area or space)** ❌ (Incorrect)
 - "Within" suggests **inside a limited area**, while the sentence indicates a **broad impact** on many regions.

4. Through (के माध्यम से - moving in one side and out of the other) ✗ (Incorrect)

- "Through" is more commonly used when talking about **moving through a path or passage**, not when describing a **wide area** affected by heat.

5. Spate (बाढ़ / अचानक वृद्धि - a large number of events occurring in quick succession) ✗ (Incorrect)

- "Spate" is a **noun**, while the blank requires a **preposition** to show the extent of the affected regions.

Correct Answer:

(a) Across ✓

S12. Ans.(b)

Sol. Given s

"The heat w

over 45°C."

Options and

1. Betw

-

2. With

-

3. Amo

-

4. How

-

5. Desp

-

Correct Ans

(b) With ✓

S13. Ans.(c)

Sol. Given sentence:

"_____(C) firefighters worked tirelessly, the dry and hot conditions made it difficult to control the flames."

Options and Analysis:

1. Until (जब तक - up to the point in time or event) ✗ (Incorrect)

- "Until" indicates a time frame up to a certain point, but the sentence needs a **contrast** between the **efforts of firefighters** and the **difficult conditions**, not a **time limit**.

2. For (के लिए - used to indicate purpose or duration) ✗ (Incorrect)

- "For" does not provide the necessary **contrast** between the **firefighters' efforts** and the **challenging conditions**.

3. While (जबकि - indicating contrast or simultaneous actions) ✓ (Correct choice)

- "While" is perfect for showing the **contrast** between the **firefighters working hard** and the **difficulty in controlling the flames** due to the **dry and hot conditions**.

4. Because (क्योंकि - providing a reason) ✗ (Incorrect)

- "Because" would indicate a **cause-and-effect relationship**, but the sentence is more about **contrasting efforts and challenges** than explaining a reason.

5. Against (विरुद्ध - indicating opposition or contrast) ✗ (Incorrect)

- "Against" is used to show **opposition or contrast**, but it does not fit the context of **contrasting the**

Correct Answer:

(c) While ✓

S14. Ans.(d)

Sol. Given s

"Many peop
limits."

Options are

1. Last (अन्तिम) ✗ (Incorrect)

- "Last" is used to indicate the **end or final** point, but it does not fit the context of **limits** or **capacity**.

2. Unless (अगर नहीं - indicating a condition) ✗ (Incorrect)

- "Unless" is a **conditional word** and does not fit in the context of **limits** or **capacity**.

3. Under (नीचे - indicating position or level) ✗ (Incorrect)

- "Under" is used to indicate **position or level**, but it does not fit the context of **limits** or **capacity**.

4. Beyond (के परे - further than a particular point) ✓ (Correct choice)

- "Stretched beyond their limits" is a common and appropriate phrase. It accurately conveys that the emergency services were pushed **past their maximum capacity**, which aligns perfectly with the context of a **severe heat wave crisis**.

5. Yet (फिर भी - but, still) ✗ (Incorrect)

- "Yet" is used to introduce a **contrast** or an **unexpected situation**, but the sentence needs a **preposition** that indicates an **exceeding capacity**, making "beyond" the better choice.

Correct Answer:

(d) Beyond ✓

S15. Ans.(b)

Sol. Given sentence:

"The heat wave also impacted health services, with hospitals seeing a rise in heat-related illnesses, especially _____ (E) vulnerable groups like the elderly and children."

Options and Analysis:

1. Too (भी - also, in addition) ✗ (Incorrect)

- "Too" indicates an **addition** but does not fit well in this context, where the sentence is specifying **particular groups** affected by the heat wave.

2. Among (के बीच - in the midst of, referring to a part of a group) ✓ (Correct choice)

- "Among" is used to refer to a part of a group, which fits the context of the sentence.

3. Out

- "Out" does not fit in this context.

4. Besides

- "Besides" is not appropriate here.

5. And

- "And" is not the correct preposition to use here.

Correct Answer:

(b) Among ✓

S16. Ans.(e)

Sol. Given sentence:

"Experts point out that climate change might have contributed to extreme weather events, stressing the need for urgent action."

Options and Analysis:

1. On

- "On" is not suitable here because it does not correctly connect with **preventing actions**.

2. For (के लिए - indicating purpose or intention) ✗ (Incorrect)

- "For" could work in some contexts, but the correct phrase is **"to prevent,"** not **"for prevent."**

3. By (द्वारा - indicating means or method) ✗ (Incorrect)

- "By" is used to indicate **how something is done**, but the sentence requires a **preposition** that introduces the **purpose** of the actions.

4. In (में - indicating location or condition) ✗ (Incorrect)

- "In" does not fit because it usually indicates a **state or place**, not the **purpose of an action**.

5. To (के लिए - indicating purpose or goal) (Correct choice)

- "To prevent" is the correct and **standard construction** to indicate the **purpose** of the urgent actions being recommended by experts.

Correct Answer:

(e) To 

S17. Ans.(d)

Sol. Statement I is correct as the passage states that decluttering is a form of self-care that contributes to a stress-free life. Statement b is also correct, as the passage acknowledges that decision-making can make decluttering difficult. However, Statement c is incorrect because the passage suggests that decluttering can be done independently or with help from friends or professionals, but does not claim it is the only

S18. Ans.(a)

Sol. "Daunting" is the correct choice as it is the opposite, as it suggests something is intimidating, discouraging, and difficult.

S19. Ans.(a)

Sol. "Vying" is the correct choice as it means competing for something. The other options—ignoring and negotiating—are not relevant to the context of striving.

S20. Ans.(b)

Sol. The sentence discusses the process of seeking help. "Seeking" is the correct choice as it means looking for or demanding help. The other options—demanding, ignoring, and avoiding—are not relevant to the context of staying away from help.

S21. Ans.(a)

Sol. The idiom "to get down to business" means to begin with the essence of the task. The other options—feeling uninspired, decluttering, and the phrase—are not relevant to the context.

S22. Ans.(d)

Sol. The passage highlights that decluttering improves mood by reducing stress and enhances sleep quality by minimizing distractions. These benefits are covered in options (a) and (b). However, option (c) is incorrect because the passage does not state that decluttering suppresses ambition. Since (a) and (b) are correct, but (c) is not, the best answer is (d).

S23. Ans.(c)

Sol. Statement c is incorrect because the passage emphasizes that decluttering is an ongoing process and not a one-time task. Statements I and II are correct as they are directly supported by the passage, which discusses improved sleep quality and better focus due to a clutter-free environment.

S24. Ans.(d)

Sol. The passage explains that decluttering is more effective when done gradually because it helps individuals develop a habit of organization, preventing future accumulation of clutter. Option (a) is incorrect because impulsive decision-making is not mentioned as a reason for gradual decluttering. Option (b) is incorrect, as decluttering does not permanently prevent clutter. Option (c) is only partially true but is not the primary reason given in the passage. Option (e) is false because the passage suggests seeking help if needed.

S25. Ans.(c)

Sol. The correct answer is (c) **"It fosters clarity and a sense of control, which improves productivity"**

Reference for

In the first p

"A clutter-free

This line dir

productivity

is to **clarity**,
content.

S26. Ans.(c)

Sol. The correct answer is (c) because it follows the correct structure:

1. (D) "The judge" → Subject of the sentence.
2. (A) "proudly showcased a stunning new fashion collection" → Verb and the object.
3. (B) "at the prestigious fashion week" → Adds detail to "the event" (prepositional phrase).
4. (C) "The talented designer" → Completes the phrase by stating the subject.

Thus, the co

"The judge

S27. Ans.(b)

Sol. The correct sequence is ACDB (option b) because it creates a logical and coherent sentence:

1. (C) "The talented designer proudly showcased a stunning new fashion collection" → Main clause.
2. (D) "at the prestigious fashion week" → Adds detail to the event (prepositional phrase).
3. (A) "The judge" → Subject of the sentence (prepositional phrase) and intro.
4. (B) **"prestigious fashion week"** → Completes the sentence by identifying the event.

The correctly arranged sentence is:

"The talented designer proudly showcased a stunning new fashion collection at the prestigious fashion week." ✓

S28. Ans.(a)

Sol. The correct sequence is ACDB (option a) because it forms a logical and coherent sentence:

1. (A) **"The cheerful toddler"** → Subject of the sentence.
2. (C) **"giggled joyfully while"** → The action being performed, showing the toddler's mood.
3. (D) **"playing with colorful"** → Explains what the toddler was doing.
4. (B) **"building blocks"** → Completes the object of the action.

The correctly arranged sentence is:

"The cheerful toddler giggled joyfully while playing with colorful building blocks." 

S29. Ans.(d)

Sol. The correct sequence is **DCBA** (option **d**) because it creates a logical and grammatically correct sentence:

1. **(D) "The brave soldiers"** → The subject of the sentence.
2. **(C) "trained rigorously to"** → The action performed by the subject.
3. **(B) "prepare for the"** → Shows the purpose of the training.
4. **(A) "upcoming critical mission"** → Completes the sentence by specifying what they were preparing for.

The correct

"The brave



S30. Ans.(c)

Sol. The cor

nce:

of action.

1. **(C) "**
2. **(D) "**
3. **(A) "**
4. **(B) "**

The correct

"The advan

ew tasks through

gorithms."



S31. Ans.(b)

Sol. Required

$\frac{280-140}{140} \times 100 = 100\%$

S32. Ans.(e)

Sol.

$$\text{Required percentage} = \frac{280-140}{140} \times 100 = 100\%$$

S33. Ans.(e)

Sol. Required difference = $(160+260) - (280+120) = 20$

S34. Ans.(c)

Sol.

$$\text{Required average} = \frac{260+180}{2} = 220$$

S35. Ans.(c)

Sol.

$$\text{Required percentage} = \frac{160}{120} \times 100 = 133.33\%$$

S36. Ans.(a)

Sol.

$$\text{Boys in class 8}^{\text{th}} = 60 \times \frac{40}{100} = 24$$

$$\text{Girls in class 8}^{\text{th}} = 60 - 24 = 36$$

$$\text{Boys in class 9}^{\text{th}} = \frac{36}{4} \times 7 = 63$$

$$\text{Total students in class 9}^{\text{th}} = \frac{140}{100} \times 60 = 84$$

$$\text{Girls in class 9}^{\text{th}} = 84 - 63 = 21$$

$$\text{Girls in class 10}^{\text{th}} = \frac{8}{7} \times 21 = 24$$

$$\text{Boys in class 10}^{\text{th}} = \frac{24}{6} \times 5 = 20$$

Required di

S37. Ans.(e)

Sol.

$$\text{Boys in class 8}^{\text{th}} = 60 \times \frac{40}{100} = 24$$

$$\text{Girls in class 8}^{\text{th}} = 60 - 24 = 36$$

$$\text{Boys in class 9}^{\text{th}} = \frac{36}{4} \times 7 = 63$$

$$\text{Total students in class 9}^{\text{th}} = \frac{140}{100} \times 60 = 84$$

$$\text{Girls in class 9}^{\text{th}} = 84 - 63 = 21$$

$$\text{Girls in class 10}^{\text{th}} = \frac{8}{7} \times 21 = 24$$

$$\text{Boys in class 10}^{\text{th}} = \frac{24}{6} \times 5 = 20$$

Required ratio = $(24 + 63) : (24 + 20) = 87 : 44$

S38. Ans.(d)

Sol.

$$\text{Boys in class 8}^{\text{th}} = 60 \times \frac{40}{100} = 24$$

$$\text{Girls in class 8}^{\text{th}} = 60 - 24 = 36$$

$$\text{Boys in class 9}^{\text{th}} = \frac{36}{4} \times 7 = 63$$

$$\text{Total students in class 9}^{\text{th}} = \frac{140}{100} \times 60 = 84$$

$$\text{Girls in class 9}^{\text{th}} = 84 - 63 = 21$$

$$\text{Girls in class 10}^{\text{th}} = \frac{8}{7} \times 21 = 24$$

$$\text{Boys in class 10}^{\text{th}} = \frac{24}{6} \times 5 = 20$$

Required percentage = $\frac{21}{20} \times 100 = 105\%$

S39. Ans.(a)

Sol.

$$\text{Boys in class 8}^{\text{th}} = 60 \times \frac{40}{100} = 24$$

$$\text{Girls in class 8}^{\text{th}} = 60 - 24 = 36$$

$$\text{Boys in class 9}^{\text{th}} = \frac{36}{4} \times 7 = 63$$

$$\text{Total students in class 9}^{\text{th}} = \frac{140}{100} \times 60 = 84$$

$$\text{Girls in class 9}^{\text{th}} = 84 - 63 = 21$$

$$\text{Girls in class 10}^{\text{th}} = \frac{8}{7} \times 21 = 24$$

$$\text{Boys in class 10}^{\text{th}} = \frac{24}{6} \times 5 = 20$$

$$\text{Required average} = \frac{24+24}{2} = 24$$

S40. Ans.(b)

Sol.

$$\text{Boys in class 8}^{\text{th}} = 60 \times \frac{40}{100} = 24$$

$$\text{Girls in class 8}^{\text{th}} = 60 - 24 = 36$$

$$\text{Boys in class 9}^{\text{th}} = \frac{36}{4} \times 7 = 63$$

$$\text{Total students in class 9}^{\text{th}} = \frac{140}{100} \times 60 = 84$$

$$\text{Girls in class 9}^{\text{th}} = 84 - 63 = 21$$

$$\text{Girls in class 10}^{\text{th}} = \frac{8}{7} \times 21 = 24$$

$$\text{Boys in class 10}^{\text{th}} = \frac{24}{6} \times 5 = 20$$

$$\text{Total boys in class 11}^{\text{th}} = \frac{36+24}{2} + 5 = 35$$

$$\text{Total students in class 11}^{\text{th}} = \frac{125}{100} \times 84 = 105$$

$$\text{Required girls} = 105 - 35 = 70$$

S41. Ans.(e)

Sol.

The total work (LCM of 15, 20 & 30) = 60 units

The efficiency of A and B together = $\frac{60}{15} = 4$ units/day

The efficiency of B and C together = $\frac{60}{20} = 3$ units/day

The efficiency of C and A together = $\frac{60}{30} = 2$ units/day

Total efficiency of A, B and C together = $\frac{4+3+2}{2} = 4.5$ units/day

Required days = $\frac{60}{4.5} = 13.33$ days

S42. Ans.(a)

Sol. The profit-sharing ratio of Anita to Banita = $5000 \times 6 + 6000 \times 6 : 4000 \times 6$
= 11 : 4

$$\text{Required profit} = \frac{39000}{15} \times 11 = \text{Rs } 28600$$

S43. Ans.(b)

Sol.

Let the length of the train be L meter

$$\text{Given, } \frac{L+200}{20} = 15$$

$$L = 300 - 200 = 100$$

$$\text{Required time} = \frac{250+100}{25-20} = 70 \text{ seconds}$$

S44. Ans.(c)

Sol. Let the radius of the circle = a cm

$$\text{Given, } \frac{1}{2} \times 9a \times 7a = 126$$

$$a \times a = 4$$

$$a = 2$$

$$\text{Diameter of the circle} = 7a = 7 \times 2 = 14 \text{ cm}$$

$$\text{Radius of the circle} = 14/2 = 7 \text{ cm}$$

$$\text{Required answer} = 2 \times \frac{22}{7} \times 7 = 44 \text{ cm}$$

S45. Ans.(c)

Sol.

ATQ,

$$X \times \frac{90}{100} \times \frac{25}{100} = 9000$$

$$X = 40000$$

S46. Ans.(e)

Sol.

$$\frac{250}{5} + 18 \times 12 = ?$$

$$50 + 216 = ?$$

$$? = 266$$

S47. Ans.(d)

Sol.

$$784 + 16 = \frac{?}{100} \times 20$$

$$4000 = ?$$

S48. Ans.(a)

Sol. $32+50 = ? \times 2$

$$41 = ?$$

S49. Ans.(e)

Sol.

$$\frac{366}{3} + \frac{2}{9} \times 540 = \frac{?}{4}$$

$$122 + 120 = \frac{?}{4}$$

$$968 = ?$$

S50. Ans.(c)

Sol. $39+11 =$

$$? = 35$$

S51. Ans.(c)

Sol. $7.2+147$

$$154.2 = ?$$

S52. Ans.(a)

Sol. $120+24$

$$360 = ?$$

S53. Ans.(b)

Sol.

$$\frac{16}{32} \times 16 = 2^?$$

$$8 = 2^?$$

$$2^3 = 2^?$$

$$? = 3$$

S54. Ans.(d)

Sol.

$$\frac{28}{100} \times 400 + \frac{125}{100} \times 80 = ?^3 - 4$$

$$112 + 100 = ?^3 - 4$$

$$216 = ?^3$$

$$6 = ?$$

S55. Ans.(a)

Sol. $76.8-1.2 = ? - 6$

$$81.6 = ?$$

S56. Ans.(d)

Sol.

I. $x^2 - 16x + 63 = 0$

$x^2 - 7x - 9x + 63 = 0$

$x = 7, 9$

II. $y^2 - 21y + 108 = 0$

$y^2 - 12y - 9y + 108 = 0$

$y = 12, 9$

So, $x \leq y$

S57. Ans.(a)

Sol.

I. $x^2 - 20x + 99 = 0$

$x^2 - 15x - 5x + 99 = 0$

$x = 15, 9$

II. $y^2 + 13y - 48 = 0$

$y^2 + 17y - 4y - 48 = 0$

$y = -17, 4$

So, $x > y$

S58. Ans.(e)

Sol.

I. $x^2 - 27x - 10 = 0$

$x^2 - 31x + 4x - 10 = 0$

$x = 31, -4$

II. $y^2 - 24y + 143 = 0$

$y^2 - 19y - 5y + 143 = 0$

$y = 19, 5$

So, no relation can be established between x and y

S59. Ans.(e)

Sol.

I. $x^2 - 25x + 144 = 0$

$x^2 - 15x - 10x + 150 = 0$

$x = 15, 10$

II. $y^2 - 31y + 210 = 0$

$y^2 - 21y - 10y + 210 = 0$

$y = 21, 10$

So, no relation can be established between x and y

S60. Ans.(c)

Sol.

I. $x^2 - 16x + 39 = 0$

$x^2 - 13x - 3x + 39 = 0$

$x = 13, 3$

$$\text{II. } y^2 - 33y + 270 = 0$$

$$y^2 - 15y - 18y + 270 = 0$$

$$y = 15, 18$$

$$\text{So, } x < y$$

S61. Ans.(a)

Sol.

Let the cost price be Rs $100a$

$$\text{Marked price} = 100a \times \frac{150}{100} = \text{Rs } 150a$$

$$\text{Selling price} = 100a \times \frac{108}{100} = \text{Rs } 108a$$

ATQ,

$$108a = 150a \times \frac{90}{100} \times \frac{100 - X}{100}$$

$$108 = 135 \times \frac{100 - X}{100}$$

$$80 = 100 - X$$

$$X = 20$$

S62. Ans.(e)

Sol.

$$\text{Downstream speed} = \frac{150}{10} = 15 \text{ km/hr}$$

$$\text{Upstream speed} = \frac{60}{12} = 5 \text{ km/hr}$$

$$\text{Speed of the boat in still water} = \frac{15+5}{2} = 10 \text{ km/hr}$$

$$\text{Speed of the current} = 15 - 10 = 5 \text{ km/hr}$$

$$\text{Required time} = \frac{30}{(10+5)-(5+5)} = \frac{30}{15-10} = \frac{30}{5} = 6 \text{ hours}$$

S63. Ans.(d)

Sol.

$$\text{Quantity of milk} = 85 \times \frac{10}{17} = 50 \text{ litres}$$

$$\text{Quantity of water} = 85 \times \frac{7}{17} = 35 \text{ litres}$$

ATQ,

$$\frac{50}{35 + X} = \frac{10}{9}$$

$$45 - 35 = X$$

$$X = 10$$

S64. Ans.(a)

Sol.

The age of A and B = 120 years

$$\text{The age of A} = \frac{120+30}{2} = 75 \text{ years}$$

$$\text{The age of B} = 120 - 75 = 45 \text{ years}$$

$$\text{The age of C} = 45 \times \frac{4}{5} = 36 \text{ years}$$

S65. Ans.(e)

Sol.

Let the A and B is $80a$ and $110a$ respectively.

$$\frac{80a \times 1.4}{110a \times 0.8} = \frac{14}{11}$$
$$\frac{112a}{88a} = \frac{14}{11}$$
$$\frac{14}{11} = \frac{14}{11}$$

S66. Ans.(c)

Sol. Final arrangement is here:

Words	Codes
Reach	OZ
Class	MN
Rain	HF
Check	ED
Vision	JK
Best	LO
Store	BO
School	TM

The code for "Store Check Rain" is 'BO HF ED'

S67. Ans.(c)

Sol. Final ar

Words	Codes
Reach	OZ
Class	MN
Rain	HF
Check	ED
Vision	JK
Best	LO
Store	BO
School	TM

School is co

S68. Ans.(b)

Sol. Final arrangement is here:

Words	Codes
Reach	OZ
Class	MN
Rain	HF
Check	ED
Vision	JK
Best	LO
Store	BO
School	TM

Code for "Store Check Rain" is 'BO HF ED'

S69. Ans.(e)

Sol. Final arrangement is here:

Words	Codes
Reach	OZ
Class	MN
Rain	HF
Check	ED
Vision	JK
Best	LO
Store	BO
School	TM

Both "Reach

S70. Ans.(c)

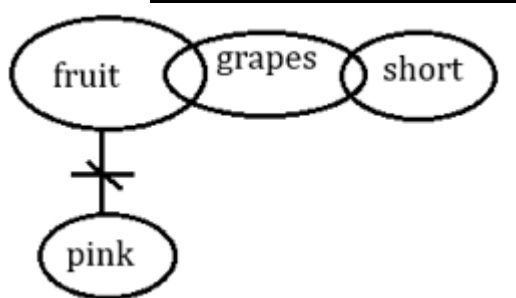
Sol. I. Doesn't

II. Doesn't follow

Both the con

esn't follow.

t follow.



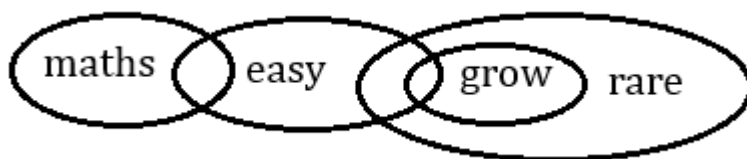
S71. Ans.(b)

Sol. I. Doesn't

II. Follow: The

low: No direct relation between the given elements so definite relation doesn't follow.

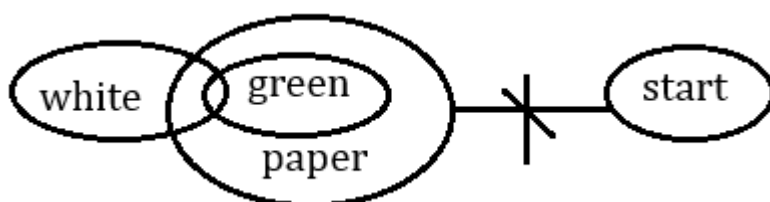
part of easy which is grow is also rare.



S72. Ans.(e)

Sol. I. Follow: No direct relation between the given elements so possibility is true.

II. Follow: The part of white which is green is also paper.



S73. Ans.(e)

Sol. I. $X \leq H$ (False)

II. $W > B$ (False)

S74. Ans.(a)

Sol. I. $U < L$ (True)

II. $P > N$ (False)

S75. Ans.(b)

Sol. I. $O < E$ (False)

II. $R \geq P$ (True)

S76. Ans.(a)

Sol.



S77. Ans.(b)

Sol. Given w

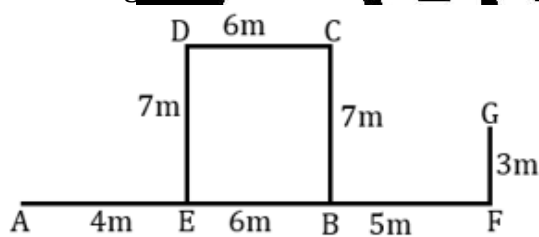
After applyi

English Alph

S78. Ans.(b)

Sol.

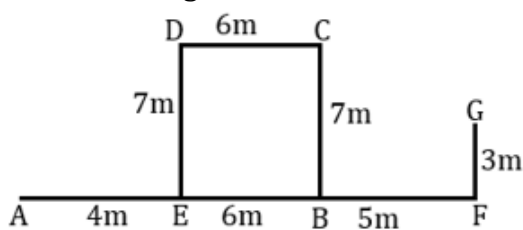
Final arrang is here:



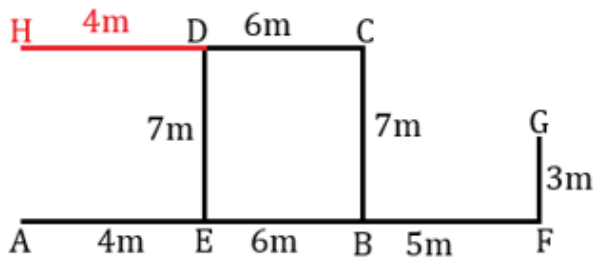
Point G is north-east of point G

S79. Ans.(c)

Sol. Final arrangement is here:

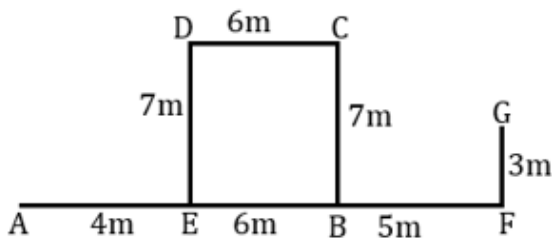


Shortest distance between point H and point A is 7m



S80. Ans.(d)

Sol. Final arrangement is here:



From Pythagoras theorem, the shortest distance will be

S81. Ans.(e)

Sol. 5 7 3 4

S82. Ans.(a)

Sol. 5 3 4 5

S83. Ans.(b)

Sol. 5 7 3 4

Odd number

5+1+7+9+3

S84. Ans.(d)

Sol. 5 7 3 4

S85. Ans.(e)

Sol.

$$Q > P > O > M > \frac{N}{L} > \frac{N}{L}$$

65kg

Can't be determined

S86. Ans.(c)

Sol.

$$Q > P > O > M > \frac{N}{L} > \frac{N}{L}$$

65kg

78 kg

S87. Ans.(a)

Sol.

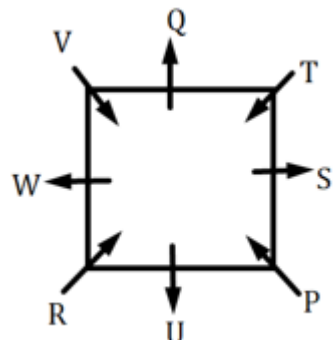
$$Q > P > O > M > \underset{65\text{kg}}{N/L} > N/L$$

Four persons are lighter than P.

S88. Ans.(c)

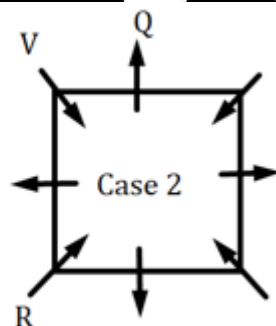
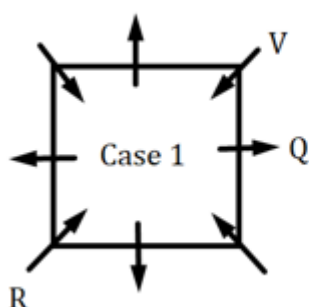
Sol.

Final Arrangement is here:



Clues: R sits between S and W. S sits between W and U. U sits between V and P. V sits between T and R. T sits between Q and S. Q sits between P and W. The left of Q.

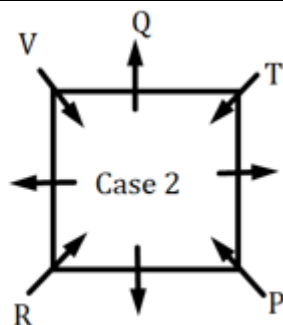
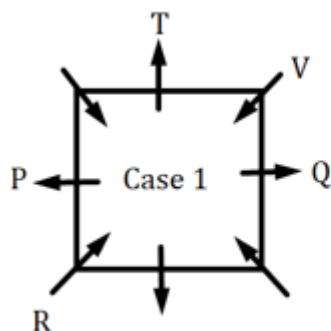
Inference:



247

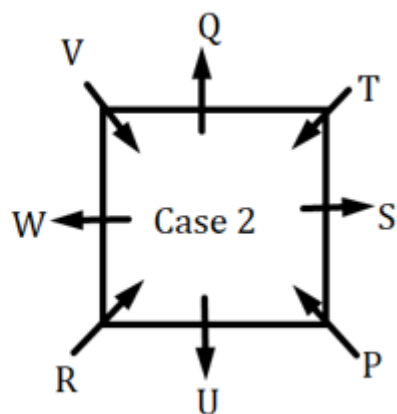
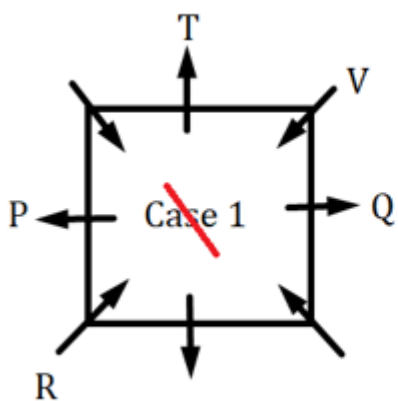
Clues: T sits between V and R. V sits between Q and S. Q sits between P and W. The left of Q.

Inference:

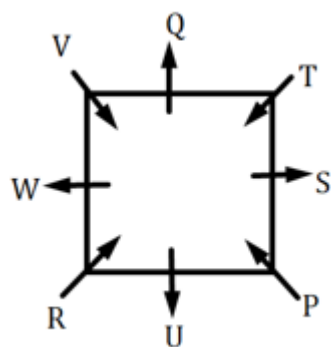


Clues: Three persons sit between S and W. Both S and W are not the immediate neighbours of U. W and T are not immediate neighbours.

Inference: Case 1 gets cancelled here:



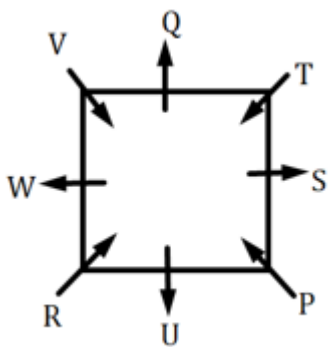
Inference: Final Arrangement is here:



T sits fifth to

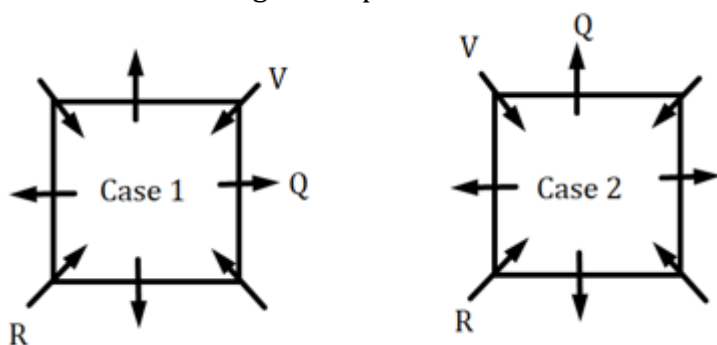
S89. Ans. (a)

Sol. Final Arr



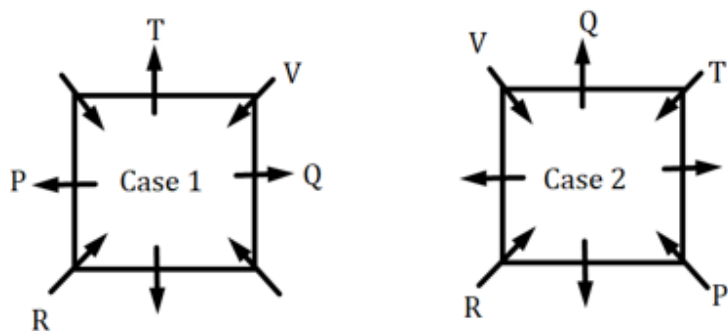
Clues: R sits at one of the corners. Two persons sit between R and Q. V sits immediately to the left of Q.

Inference: Here we get two possible cases:



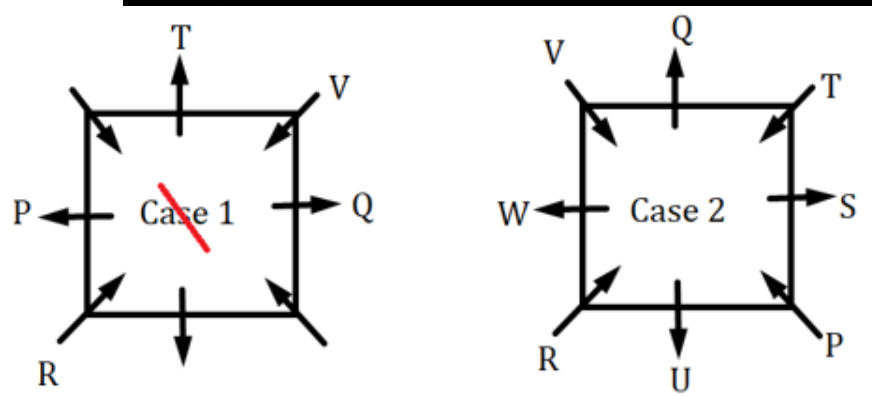
Clues: T sits second to the right of P. T and R are not immediate neighbours.

Inference:

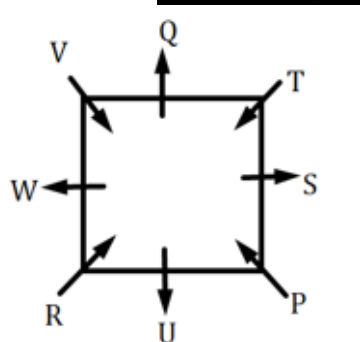


Clues: Three persons sit between S and W. Both S and W are not the immediate neighbours of U. W and T are not immediate neighbours.

Inference:



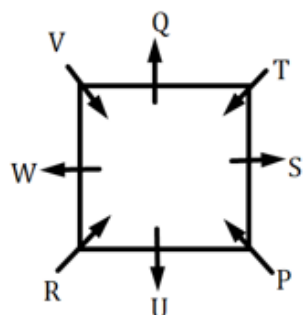
Inference:



W sits third

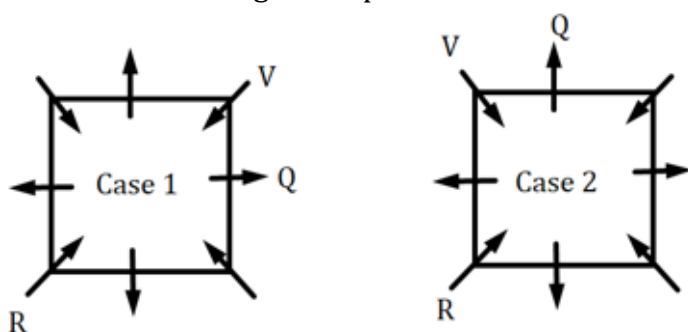
S90. Ans.(d)

Sol. Final Arrangement is here:



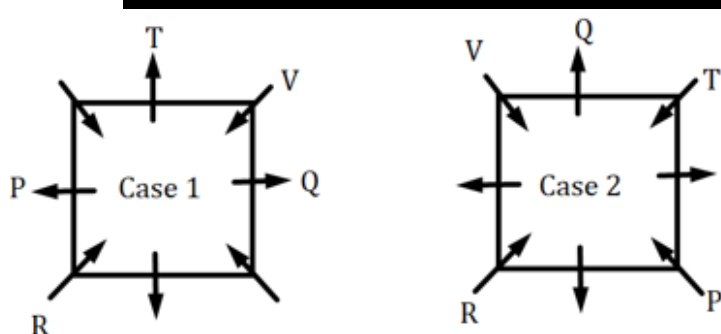
Clues: R sits at one of the corners. Two persons sit between R and Q. V sits immediately to the left of Q.

Inference: Here we get two possible cases:



Clues: T sits second to the right of P. T and R are not immediate neighbours.

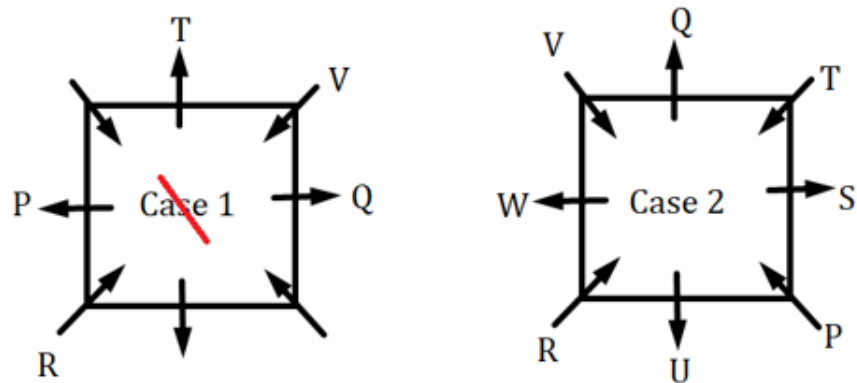
Inference:



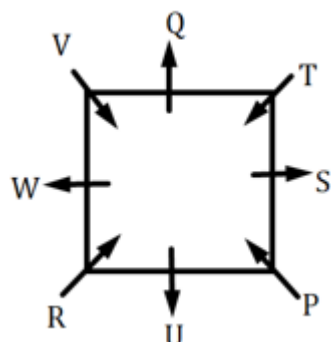
Clues: Three persons sit between P and T. Both U and W are not immediate neighbours of U. W and

T are not immediate neighbours.

Inference:



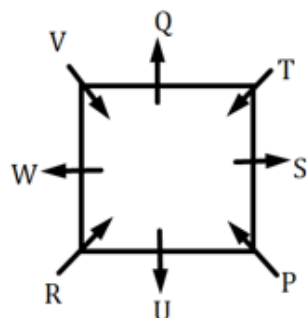
Inference: Final Arrangement is here:



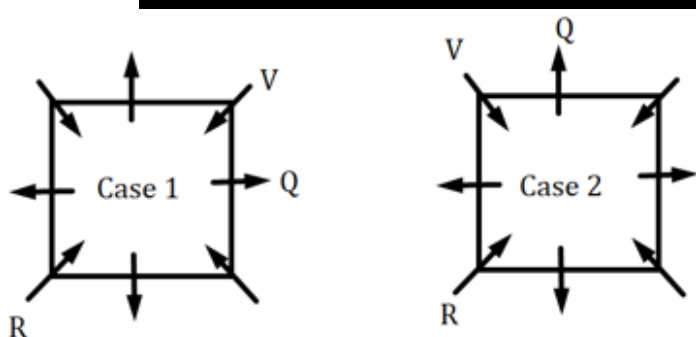
U sits immediate left of P.

S91. Ans.(b)

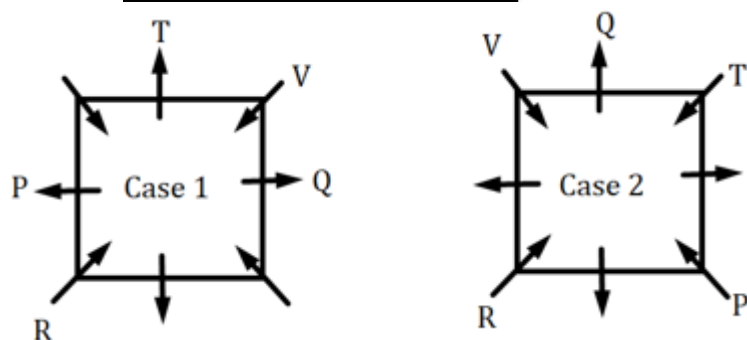
Sol. Final Arrangement is here:



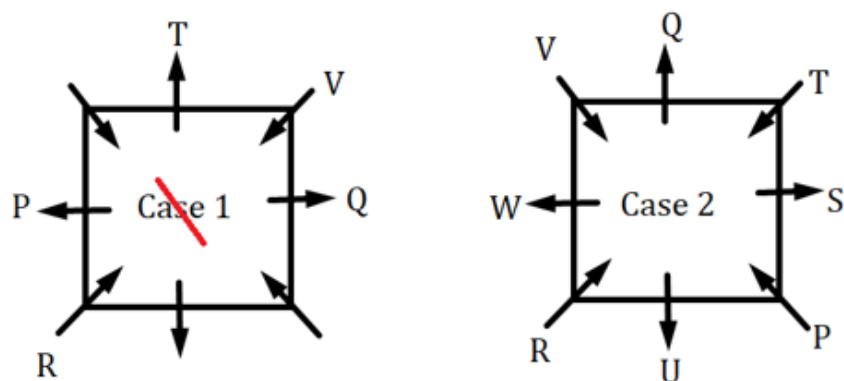
Clues: R sits to the left of Q. **Inference:** R is not at the top-left corner.



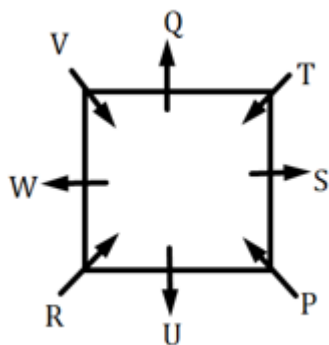
Clues: T sits to the right of R. **Inference:** T is not at the bottom-left corner.



Clues: Three people are sitting to the left of U. W and T are not immediate neighbors of U. **Inference:** Case 1 gets cancelled here:



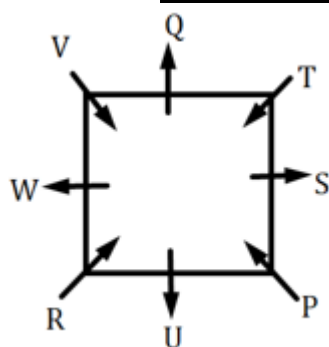
Inference: Final Arrangement is here:



Two persons sit between R and S when counted from the right of S.

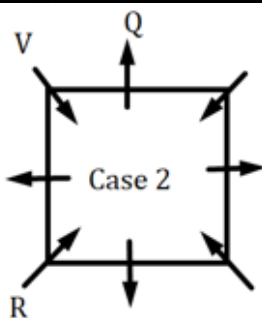
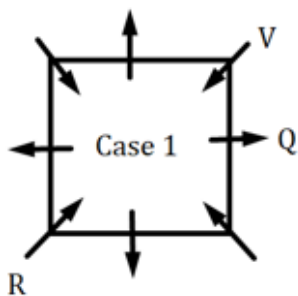
S92. Ans.(b)

Sol. Final Ar



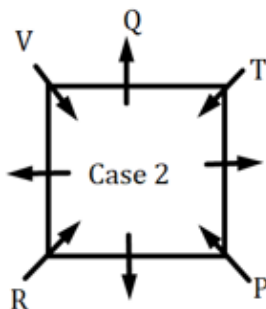
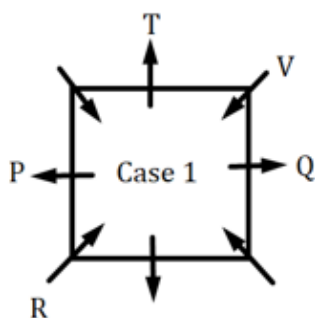
Clues: R sits between two persons between R and Q. the left of Q.

Inference:



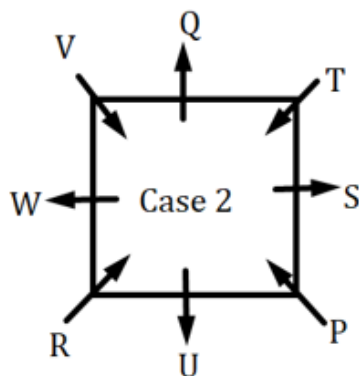
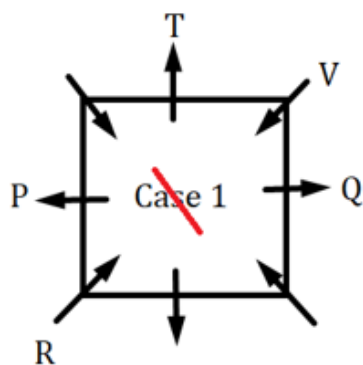
Clues: T sits second to the right of P. T and R are not immediate neighbours.

Inference:

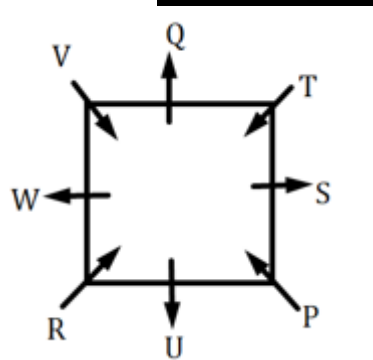


Clues: Three persons sit between S and W. Both S and W are not the immediate neighbours of U. W and T are not immediate neighbours.

Inference: Case 1 gets cancelled here:



Inference:



Except S, all are at the corners.

S93. Ans. (b)

Sol. Final Arrangement is

Boxes
F
E
B
G
A
C
D

Clues: Three boxes were placed between Box C and Box E. Two Boxes were placed between Box A and Box E.

Inference: Here we get two possible cases:

Boxes	Boxes
Case 1	Case 2
C	E
A	
	A
E	C

Clues: Box B is placed immediately below Box E. Box G is placed immediately above Box A.

Inference: Case 1 gets cancelled here:

Boxes	Boxes
Case 1	Case 2
G	E
A	B
	G
	A
E	C
B	

Clues: The number of boxes placed above Box F is same as the number of boxes placed below Box D. Box F is not

Inference:

Boxes
F
E
B
G
A
C
D

Box D is placed

S94. Ans.(e)

Sol. Final Arr

Boxes
F
E
B
G
A
C
D



Clues: Three boxes were placed between Box C and Box E. Two Boxes were placed between Box A and Box E.

Inference: Here we get two possible cases:

Boxes	Boxes
Case 1	Case 2
C	E
A	
	A
E	C

Clues: Box B is placed immediately below Box E. Box G is placed immediately above Box A.

Inference: Case 1 gets cancelled here:

Boxes	Boxes
Case 1	Case 2
G	E
A	B
	G
	A
E	C
B	

Clues: The number of boxes placed above Box F is same as the number of boxes placed below Box D. Box F is not at the bottom.

Inference: Case 1 gets cancelled here:

Boxes
F
E
B
G
A
C
D

The position of Box A in the stack is third.

S95. Ans. (b)

Sol. Final Arrangement:

Boxes
F
E
B
G
A
C
D

Clues: Three boxes were placed between Box C and Box E. Two Boxes were placed between Box A and Box E.

Inference: Here we get two possible cases:

Boxes	Boxes
Case 1	Case 2
C	E
A	
	A
E	C

Clues: Box B is placed immediately below Box E. Box G is placed immediately above Box A.

Inference: Case 1 gets cancelled here:

Boxes	Boxes
Case 1	Case 2
G	E
A	B
	G
	A
E	C
B	

Clues: The number of boxes placed above Box F is same as the number of boxes placed below Box D. Box F is not

Inference:

Boxes
F
E
B
G
A
C
D

Four boxes are placed above Box F.

S96. Ans.(d)

Sol. Final Arrangement

Boxes
F
E
B
G
A
C
D

Clues: Three boxes were placed between Box C and Box E. Two Boxes were placed between Box A and Box E.

Inference: Here we get two possible cases:

Boxes	Boxes
Case 1	Case 2
C	E
A	
	A
E	C

Clues: Box B is placed immediately below Box E. Box G is placed immediately above Box A.

Inference: Case 1 gets cancelled here:

Boxes	Boxes
Case 1	Case 2
G	E
A	B
	G
	A
E	C
B	

Clues: The number of boxes placed above Box F is same as the number of boxes placed below Box D. Box F is not

Inference:

Boxes
F
E
B
G
A
C
D

The number of boxes placed above Box F is the same number of boxes placed below Box D.

S97. Ans. (a)

Sol. Final Arrangement

Boxes
F
E
B
G
A
C
D

Clues: Three boxes were placed between Box C and Box E. Two Boxes were placed between Box A and Box E.

Inference: Here we get two possible cases:

Boxes	Boxes
Case 1	Case 2
C	E
A	
	A
E	C

Clues: Box B is placed immediately below Box E. Box G is placed immediately above Box A.

Inference: Case 1 gets cancelled here:

Boxes	Boxes
Case 1	Case 2
G	E
A	B
	G
	A
E	C
B	

Clues: The number of boxes placed above Box F is same as the number of boxes placed below Box D.

Box F is not

Inference:

Boxes
F
E
B
G
A
C
D

Box A is related to box is placed two

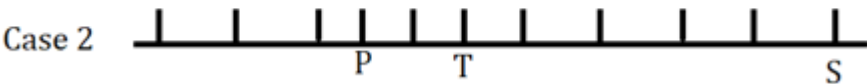
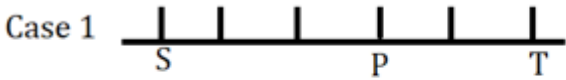
S98. Ans. (c)

Sol. Final Arrangement

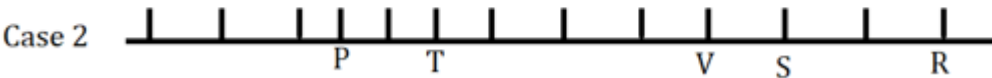
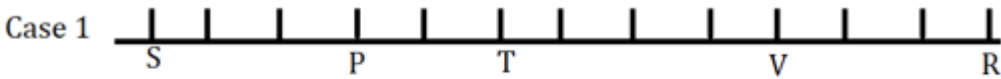


Clues: Four persons sit between S and T. P sits second to the left of T. T sits not at one of the extreme ends

Inference:

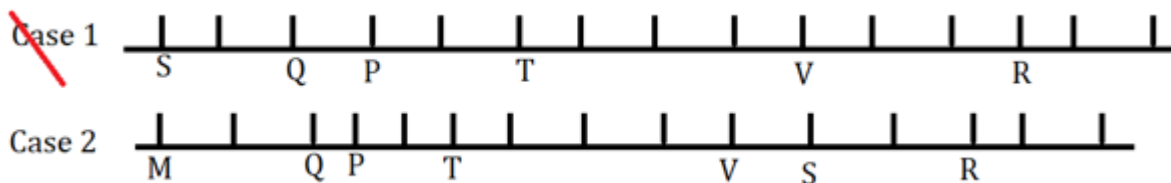


Clues: Five persons sit between P and V. P sits to the left of V. R sits third to the right of V. **Inference:**

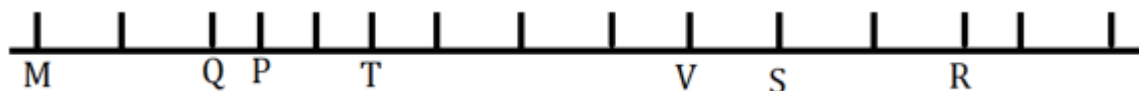


Clues: R sits third from one of the extreme ends of the row. The number of persons sit to the right of R is same as the number of persons sit to the left of Q. M sits second to the left of Q.

Inference: Case 1 gets cancelled here:



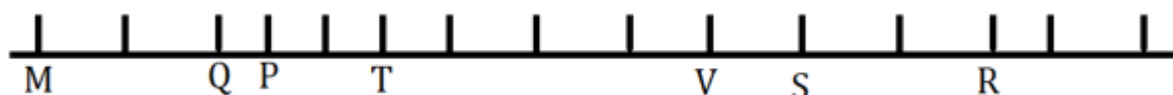
Inference: Final Arrangement is here:



Ninth to the left

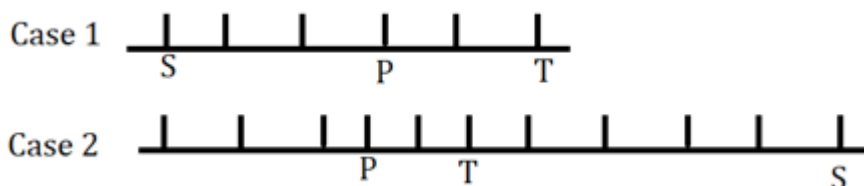
S99. Ans. (b)

Sol. Final Arr

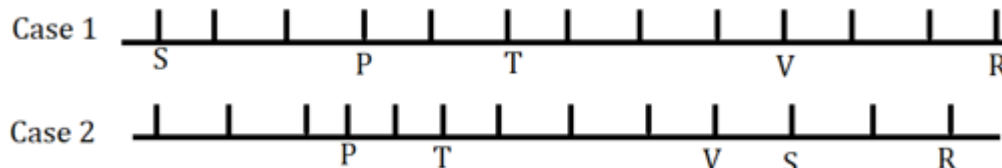


Clues: Four ... second ... one of the extreme end

Inference:

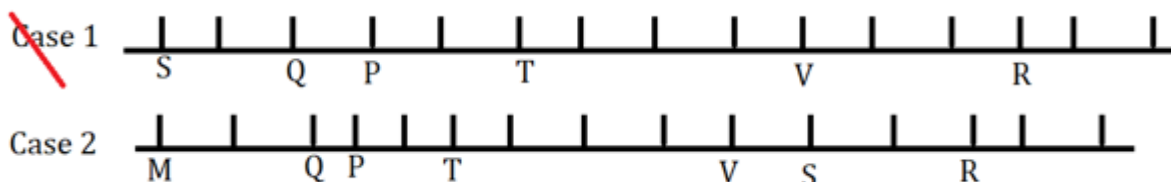


Clues: Five ... its ... inference:

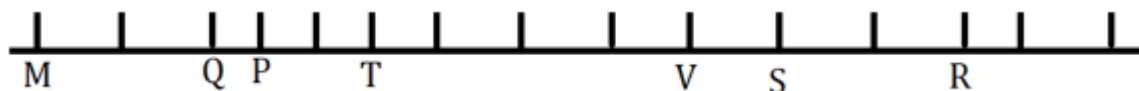


Clues: R sits ... the right of R is same as the

Inference: Case 2 gets cancelled here:



Inference: Final Arrangement is here:



The one who immediate right of T.

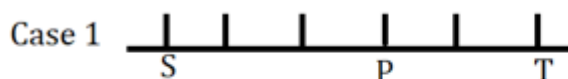
S100. Ans.(d)

Sol. Final Arrangement is here:



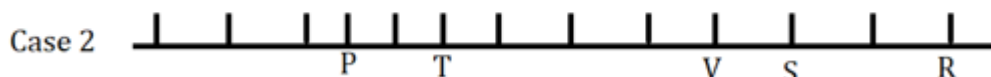
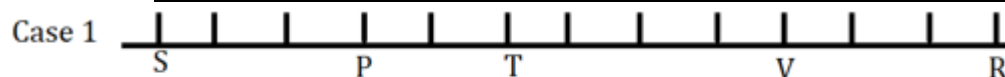
Clues: Four persons sit between S and T. P sits second to the left of T. P sits fourth from one of the extreme ends of the row.

Inference: Here we get two possible cases:



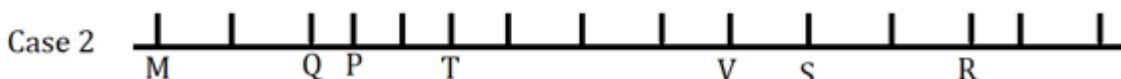
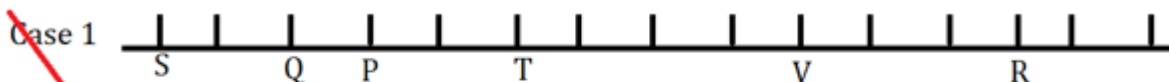
Clues: Five

Inference:



Clues: R sits at the right end of the row. The person sitting at the left end of the row is the same as the person sitting at the right end of the row.

Inference:



Inference: Final arrangement is here:



15 persons sit