SBI PO Mains Reasoning Memory Based Questions 05.05.2025

Directions (1-4): Study the following information carefully and answer the question given below:
Six different cars – A, B, C, D, E, and F – were used for an event. Each car travelled a different distance – 10 km, 12 km, 24 km, 27 km, 33 km and 40 km. Each car had a different number of drivers between the range of 3 to 11. All the information is not necessarily used in the same order as given.
Note: The total distance travelled by each car is exactly divisible by the number of drivers that car has.
Car F travelled more distance than Car C. Car D travelled an even number distance. One car travelled distance between the range of distance travelled by Car D and Car A. Car A has the number of drivers which is multiple of 5. Car D has less number of drivers than Car F. Car E travelled less distance than Car C. Car E travelled a distance which is a multiple of 3. Car C has more number of drivers than Car B. Car D has one driver more than Car E. Car B travelled less distance than Car C. Car A has less number of drivers than Car F. The difference between number of drivers between Car B and Car F is more than 1 but less than 4.

Q1. What is the sum of the number of drivers in Car B and the distance travelled by Car C?
(a) 40
(b) 38
(c) 37
(d) 36
(e) 39

Q2. Which of the following statements is/are true?
I. Car F travelled an even number distance and has 8 drivers.
II. Car C has more number of drivers than Car B but travelled less distance than Car B.
III. Car E has the least number of drivers and travelled 27km
(a) Both I and II
(b) Only I
(c) Only III
(d) Both I and III
(e) Only II

Q3. Which among the following pair of cars travelled the maximum distance and have maximum number of drivers respectively?
(a) Car C, Car F
(b) Car B, Car F
(c) Car B, Car E
(d) Car F, Car B
(e) Car F, Car C

Q4. Which car has 4 drivers and what was the distance travelled by that car?
(a) Car E - 12km
(b) Car D - 24km
(c) Car B - 12km
(d) Car E - 24km
(e) Car F - 40km

Directions (5-8): A word arrangement machine rearranges words given in a certain order based on specific rules in multiple steps. Observe the pattern and answer the questions accordingly.
Input: SYSTEM MEMORY UNIQUE BOTTLE ENERGY
Step I: UNIQUE SYSTEM MEMORY ENERGY BOTTLE
Step II NQE UIU SSE YTM MMR EOY NRY EEG BTL OTE
Step III: BUL EFG EPY MNR NRE NSY OUE STE UJU YUM
Step IV: ULB EFG EPY RNM RNE YSN EOU TSE JUU YUM
Step V: EFH EOV EPZ JUV RNF RNN TSF ULC YSO YUN
Step V is the last step of the given example. Illustrate the above input arrangement and obtain the steps for the asked input given below:
Input: EDITOR CIRCLE VISION RHYTHM ORANGE

Q5. Which word is second to the right of first word from the left end in Step V?
(a) EJO
(b) URE
(c) HUM
(d) IJO
(e) EJP

Q6. Which among the following is the correct combination of words in the penultimate step?
(a) ROF YRK VTO
(b) VSO IIN RHY
(c) ROE ZRH VTO
(d) SLD URD EJO
(e) OAG DTR EIO

Q7. What is the position of the word "RYH" with respect to "ICE" in Step II?
(a) Sixth to the left
(b) Seventh to the left
(c) Eighth to the left
(d) Immediate right
(e) Immediate left

Q8. Which word is fourth from the right end in Step III?
(a) IDE
(b) RZH
(c) IJN
(d) OAG
(e) OBG

Directions (9-13): Study the following information carefully and answer the questions given below:

There are 10 flights scheduled to take off from an airport between 4:00pm to 5:00pm. Each flight takes off at 5-minute intervals and is scheduled to land at different places-Delhi, Lucknow, Goa, Pune, Jaipur, Mysore, Chandigarh, Kolkata, Surat and Indore.

Note: No two adjacent slots are vacant.

Flight N takes off five slots before the flight that is scheduled to land in Goa. There are two slots between the flights that are scheduled to land in Goa and Mysore. Flight K takes off two slots after the flight that is scheduled to land in Goa. Flight N takes off two slots before the flight which is scheduled to land in Pune and immediately after Flight O's slot. There is a vacant slot adjacent to the slot of flight that is scheduled to land in Mysore and Pune. Flight O lands in Chandigarh. Flight T takes off immediately after Flight G's slot and two slots after the slot in which the flight that is scheduled to land in Pune. Flight L takes off before Flight K and is scheduled to land in Delhi. Flight J takes off before Flight L but not immediately before. Flight J takes off six slots before the flight that is scheduled to land in Surat. Flight J doesn't land in Kolkata. The flight which is scheduled to land in Surat has slot that is adjacent to Flight S's slot and the flight which is scheduled to land in Jaipur. Flight D and Flight S doesn't land in Goa. Flight J, Flight B and Flight N doesn't land in Lucknow.

Q9. How many flights take off between the Flight J and the flight which is scheduled to land in Lucknow?

(a) Eight
(b) Seven
(c) Nine
(d) Ten
(e) Six

Q10. Which among the following combination is correct?

(a) Flight G – 4:30 pm - Jaipur
(b) Flight D – 5:00 pm - Mysore
(c) Flight S – 4:25 pm - Pune
(d) Flight T – 4:35 pm - Goa
(e) Flight N – 4:15 pm - Indore

Q11. The number of flights take off before Flight G is one more than the number of flights take off after _____.

(a) Flight B
(b) Flight T
(c) Flight S
(d) Flight L
(e) Flight D

Q12. Which of the following statement is/are true?
(a) Flight G takes off at 4:20pm
(b) Two flights took off after the flight which is scheduled to land in Mysore.
(c) Flight L takes off before Flight S.
(d) There is a time difference of 25 mins between the flights that are scheduled to land in Kolkata and Goa.
(e) Flight K is not scheduled to land in Lucknow.

Q13. Which flight is scheduled to land in Indore?
(a) Flight N
(b) Flight K
(c) Flight D
(d) Flight B
(e) Flight J

Q14. Eight persons sit around a circular shaped table and face inside. According to English alphabetical order there are at least two letters between the names of two persons who sit adjacent to each other. T sits third to the left of G. W sits second to the right of V. Two persons sit between V and M. T and M are not immediate neighbours of each other. One person sits between S and K who is an immediate neighbour of G. P and T are immediate neighbours.
Who sits fifth to the right of K?
(a) T
(b) W
(c) S
(d) P
(e) None of these

Directions (15-16): Study the following information carefully and answer the question given below:

Q15. Seven persons—P, Q, R, S, T, U, and V—visited zoo on seven different days of the week starting from Monday to Sunday, but not necessarily in the same order. On which day does P visited the zoo?
Statement I: Two persons visited between R and U. T visited two persons after U. V visited before P.
Statement II: Q visited before S who visited two persons after U. R visited on Monday. T visited after S. V visited before T. P visited before U.
Statement III: S visited either on Monday or on Sunday. Q visited before V. As many persons visited before Q as after T. V visited after R but before U.
(a) If the data in statement I alone is sufficient to answer the question, while the data in statement II and statement III alone is not sufficient to answer the question.
(b) If the data in statement II alone is sufficient to answer the question, while the data in statement I and statement III alone is not sufficient to answer the question.
(c) If the data given in both statements I and III together are sufficient to answer the question.
(d) If the data given in both statements I and II together are sufficient to answer the question.
(e) If the data in statements I, II and III together are necessary to answer the question.

Q16. What will be the code of the words "desert light window" in the given coded language?
Statement I: In a certain language, "mirror stone light glass" is coded as "hu rf jk lo", and "Fan glass green stone" is coded as "hs rf jk mn"
Statement II: In a certain language, "desert clean road" is coded as "hb er po", and "road jungle leaf clean" is coded as "er bs xc po"
Statement III: In a certain language, "mirror white window road" is coded as "lo vc bg er", and "light window black" is coded as "bg hu mg"
(a) If the data in statement I alone is sufficient to answer the question, while the data in statement II and statement III alone is not sufficient to answer the question.
(b) If the data in statement II alone is sufficient to answer the question, while the data in statement I and statement III alone is not sufficient to answer the question.
(c) If the data given in both statements I and III together are sufficient to answer the question.
(d) If the data given in both statements I and II together are sufficient to answer the question.
(e) If the data in statements I, II and III together are necessary to answer the question.

Directions (17-20): Study the following information carefully and answer the given questions.
In a certain code language:
X$5Y → X is 8m north of Y
X&2Y → Y is 4m south of X
X@3Y → X is 6m east of Y
X^4Y → Y is 6m west of X
Given conditions: D^13F, A@6G, K$1S, S^4T, M@5S, U^8V, G^12N, N&7K, F&4M, D$2U

Q17. What is the direction of Point V with respect to Point G?
(a) North
(b) South-east
(c) North-west
(d) South-west
(e) South

Q18. If Point F is 9m south of Point Y, then what will be the shortest distance between Point Y and Point S?
(a) 27m
(b) 15m
(c) 19m
(d) 17m
(e) 21m

Q19. If Z&10V, then in which direction is Z with respect to N and what is the total distance travelled from Point S to Point V (via Point D)?
(a) 43m, South-west
(b) 45m, North-west
(c) 44m, West
(d) 42m, North
(e) 44m, East

Q20. Four of the following five are alike in a certain way and thus form a group. Find the one which doesn't belong to the group?
(a) V-M
(b) A-D
(c) U-T
(d) F-K
(e) G-S

Q21. Company X launched an online grocery delivery platform in Tier-3 towns to tap into the expanding rural market. Heavy marketing and introductory discounts were offered during the initial months. However, within 4 months, the company shut down the service.
What could be the most possible reason for the business failure?
(a) Lack of reliable internet connectivity in the region.
(b) Consumers preferred buying groceries from local kirana shops.
(c) Logistics and delivery were not cost-effective in low-density areas.
(d) The company did not customize its model based on local needs.
(e) All the above factors collectively led to the service being unsustainable.

Q22. An AI-based logistics company launched a route optimization software for courier services across metro cities. It claimed to reduce fuel consumption, improve delivery speed, and enhance workforce productivity. Within three months, several courier companies subscribed to its services, and the startup secured a round of funding from major investors.
What could be the most possible reason behind the rapid success of this AI-based company?
(a) The software helped reduce fuel and time costs significantly for courier partners.
(b) The company offered affordable subscription plans for small and medium courier firms.
(c) Real-time tracking and predictive delivery features increased customer satisfaction.
(d) It filled a market gap where traditional logistics systems lacked automation.
(e) All the above features collectively made the product commercially viable and scalable.

Q23. The central government recently launched a nationwide campaign called "Clean Skies 2040" focusing on switching public transport to electric vehicles, imposing stricter emission norms on factories, and banning single-use plastics in all major cities. Several environmental groups welcomed the initiative, while industrial associations raised concerns over job losses and compliance costs.
What can be assumed from the developments mentioned in the above statement?
I. The government is serious about reducing long-term environmental pollution through a multi-pronged strategy.
II. There is tension between environmental objectives and industrial economic interests.
III. The ban on plastics was the most widely opposed measure in the campaign.
(a) Only I and II
(b) Only II and III
(c) Only I and III
(d) All of three
(e) Only I

Q24. A health-tech startup launched an AI-powered chatbot to assist patients with basic health queries and early symptom analysis. While it gained popularity in metro cities, the service failed to gain traction in rural and semi-urban areas, and the company scaled back the initiative within a few months.

What could be the most possible reason for the failure of the initiative in rural areas?

(a) The chatbot required internet and smartphone access, which was limited in rural regions.
(b) People were more comfortable consulting local doctors or pharmacists face-to-face.
(c) The AI lacked regional language capabilities and cultural sensitivity.
(d) The startup didn't build local partnerships to promote the service.
(e) The service failed to build user trust due to linguistic barriers and lack of human interaction.

Q25. The Ministry of Electronics and IT launched a campaign urging citizens to regularly update software and operating systems on their digital devices. The campaign highlights that outdated software is a major reason behind cyberattacks and data breaches. Awareness videos, SMS alerts, and collaborations with tech influencers are being used to reach the public.

Which of the following can be hypothesized from the above statement?

(I) People will begin uninstalling older devices that don't support updates.
(II) Citizens may become more alert about their digital safety due to the campaign.
(III) Tech influencers can play a crucial role in spreading cybersecurity awareness.
(a) Only I and III
(b) Only II and III
(c) Only I
(d) Only II
(e) All I, II and III

Q26. A reputed IT firm, Company X recently hired a group of software professionals from different cities of India, including Mumbai, Hyderabad, and Bengaluru. After their joining, the company conducted a mandatory skill assessment test. Surprisingly, a large number of the new employees from Bengaluru scored below average. Following this, Company X temporarily paused all upcoming onboarding sessions specifically for candidates from Bengaluru for two weeks, stating that they will revisit their evaluation process and selection criteria for that region.

Which of the following can be logically inferred from the given statement?

(I) Company X is reconsidering its recruitment strategy due to inconsistent performance.
(II) Candidates from Mumbai and Hyderabad performed better in the skill assessment.
(III) The company believes only Bengaluru candidates are unskilled.
(a) Only I and II
(b) Only I
(c) Only II
(d) Only I and III
(e) All I, II and III

Directions (27-30): Study the following information carefully and answer the questions given below:

A certain number of persons sit in a row and face north. Each of them has a different item. B sits second to the right of the one who has Kite. Three persons sit between A and the one who has Kite. One person sits between A and the person who has clock. Two persons sit between the ones who has clock and box. E sits immediate right of the one who has box. K sits second to the left of E who doesn't have Kite. As many persons sit between K and the one who has clock as between E and the one who has Pen. The one who has pen sits to the right of the one who has box and second to the left of D. E sits fifth from one of the extreme ends and has pencil. Three persons sit between the ones who has Pins and pencils. Nine persons sit between the ones who has Pins and radio. The one who has Mobile sits fourth to the right of the one who has radio and sits at one of extreme ends of the row. The number of persons sit between the one who has Mobile and A is two more than the number of persons sit between K and C. K has Papers. The one who has mobile sits second to the right of I. Eight persons sit between H and I. H sits third to the right of F.

Q27. Which among the following combinations is/are correct?

(a) I - Radio
(b) C- Box
(c) K- Pins
(d) B- Mobile
(e) D- Papers

Q28. What is the position of the one who has Pen with respect to F?

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

Q29. What is the sum of number of persons sit to the left of H and the number of persons sit between E and the one who has Mobile?

(a) 10
(b) 11
(c) 13
(d) 12
(e) 14

Q30. Who sits exactly between the person who has Pins and the person who has Kite?

(a) The one who has pen
(b) C
(c) The one who has radio
(d) E
(e) The one who has box

Solutions

S1. Ans.(e)

Sol.

Distance: 10km < 12km < 24km < 27km < 33km < 40km

Cars:	A	B	D	E	C	F
No. of Drivers:	5	6	4	3	11	8

S2. Ans.(d)

Sol.

Distance: 10km < 12km < 24km < 27km < 33km < 40km

Cars:	A	B	D	E	C	F
No. of Drivers:	5	6	4	3	11	8

S3. Ans.(e)

Sol.

Distance: 10km < 12km < 24km < 27km < 33km < 40km

Cars:	A	B	D	E	C	F
No. of Drivers:	5	6	4	3	11	8

S4. Ans.(b)

Sol.

Distance: 10km < 12km < 24km < 27km < 33km < 40km

Cars:	A	B	D	E	C	F
No. of Drivers:	5	6	4	3	11	8

S5. Ans.(e)

Sol. Logic here is

Step I: Arrange all the words in reverse dictionary order from left to right.

Step II: Break the 6-letter word in two words of 3-letter each following the given condition-

- If the word starts with a vowel, then first 3-letter word will form with the 'even positioned letters from left' of the given word. And, the second 3-letter word will form with the 'rest/ odd-positioned letters from left'.
- If the word starts with a consonant, then first 3-letter word will form with the 'odd positioned digits from left end' of the given word. And, the second 3-letter word will form with the 'rest/ even-positioned letters from left'.

Step III: Arrange the words in dictionary order from left and change the middle letter of each 3-letter word to its immediately succeeding letter.
Step IV: If the words start with vowel, then arrange the letters within the word in alphabetical order (from left) and if the word starts with consonant, then arrange the letters within the word in reverse alphabetical order (from left).
Step V: Arrange the words in dictionary order from the left end and change the last letter of the word with the immediately succeeding letter.
Input: EDITOR CIRCLE VISION RHYTHM ORANGE
Step I: VISION RHYTHM ORANGE EDITOR CIRCLE
Step II: VSO IIN RYH HTM RNE OAG DTR EIO CRL ICE
Step III: CSL DUR EJO HUM IDE IJN OBG ROE RZH VTO
Step IV: SLC URD EJO UMH DEI IJN BGO ROE ZRH VTO
Step V: BGP DEJ EJP IJO ROF SLD UMI URE VTP ZRI

S6. Ans.(c)
Sol. Logic here is
Step I: Arrange all the words in reverse dictionary order from left to right.
Step II: Break the 6-letter word in two words of 3-letter each following the given condition-

- If the word starts with a vowel, then first 3-letter word will form with the 'even positioned letters from left' of the given word. And, the second 3-letter word will form with the 'rest/ odd-positioned letters from left'.
- If the word starts with a consonant, then first 3-letter word will form with the 'odd positioned digits from left end' of the given word. And, the second 3-letter word will form with the 'rest/ even-positioned letters from left'.

Step III: Arrange the words in dictionary order from left and change the middle letter of each 3-letter word to its immediately succeeding letter.
Step IV: If the words start with vowel, then arrange the letters within the word in alphabetical order (from left) and if the word starts with consonant, then arrange the letters within the word in reverse alphabetical order (from left).
Step V: Arrange the words in dictionary order from the left end and change the last letter of the word with the immediately succeeding letter.
Input: EDITOR CIRCLE VISION RHYTHM ORANGE
Step I: VISION RHYTHM ORANGE EDITOR CIRCLE
Step II: VSO IIN RYH HTM RNE OAG DTR EIO CRL ICE
Step III: CSL DUR EJO HUM IDE IJN OBG ROE RZH VTO
Step IV: SLC URD EJO UMH DEI IJN BGO ROE ZRH VTO
Step V: BGP DEJ EJP IJO ROF SLD UMI URE VTP ZRI

S7. Ans.(b)
Sol. Logic here is
Step I: Arrange all the words in reverse dictionary order from left to right.

Step II: Break the 6-letter word in two words of 3-letter each following the given condition-

- If the word starts with a vowel, then first 3-letter word will form with the 'even positioned letters from left' of the given word. And, the second 3-letter word will form with the 'rest/ odd-positioned letters from left'.
- If the word starts with a consonant, then first 3-letter word will form with the 'odd positioned digits from left end' of the given word. And, the second 3-letter word will form with the 'rest/ even-positioned letters from left'.

Step III: Arrange the words in dictionary order from left and change the middle letter of each 3-letter word to its immediately succeeding letter.

Step IV: If the words start with vowel, then arrange the letters within the word in alphabetical order (from left) and if the word starts with consonant, then arrange the letters within the word in reverse alphabetical order (from left).

Step V: Arrange the words in dictionary order from the left end and change the last letter of the word with the immediately succeeding letter.

Input: EDITOR CIRCLE VISION RHYTHM ORANGE

Step I: VISION RHYTHM ORANGE EDITOR CIRCLE

Step II: VSO IIN RYH HTM RNE OAG DTR EIO CRL ICE

Step III: CSL DUR EJO HUM IDE IJN OBG ROE RZH VTO

Step IV: SLC URD EJO UMH DEI IJN BGO ROE ZRH VTO

Step V: BGP DEJ EJP IJO ROF SLD UMI URE VTP ZRI

S8. Ans.(e)

Sol. Logic here is

Step I: Arrange all the words in reverse dictionary order from left to right.

Step II: Break the 6-letter word in two words of 3-letter each following the given condition-

- If the word starts with a vowel, then first 3-letter word will form with the 'even positioned letters from left' of the given word. And, the second 3-letter word will form with the 'rest/ odd-positioned letters from left'.
- If the word starts with a consonant, then first 3-letter word will form with the 'odd positioned digits from left end' of the given word. And, the second 3-letter word will form with the 'rest/ even-positioned letters from left'.

Step III: Arrange the words in dictionary order from left and change the middle letter of each 3-letter word to its immediately succeeding letter.

Step IV: If the words start with vowel, then arrange the letters within the word in alphabetical order (from left) and if the word starts with consonant, then arrange the letters within the word in reverse alphabetical order (from left).

Step V: Arrange the words in dictionary order from the left end and change the last letter of the word with the immediately succeeding letter.

Input: EDITOR CIRCLE VISION RHYTHM ORANGE

Step I: VISION RHYTHM ORANGE EDITOR CIRCLE

Step II: VSO IIN RYH HTM RNE OAG DTR EIO CRL ICE

Step III: CSL DUR EJO HUM IDE IJN OBG ROE RZH VTO

Step IV: SLC URD EJO UMH DEI IJN BGO ROE ZRH VTO

Step V: BGP DEJ EJP IJO ROF SLD UMI URE VTP ZRI

S9. Ans.(b)
Sol.

Slots	Flights	Places
4:00 pm	J	Indore
4:05 pm	-	-
4:10 pm	O	Chandigarh
4:15 pm	N	Kolkata
4:20 pm	-	-
4:25 pm	S	Pune
4:30 pm	G	Surat
4:35 pm	T	Jaipur
4:40 pm	B	Goa
4:45 pm	L	Delhi
4:50 pm	K	Lucknow
4:55 pm	D	Mysore
5:00 pm	-	-

S10. Ans.(c)
Sol.

Slots	Flights	Places
4:00 pm	J	Indore
4:05 pm	-	-
4:10 pm	O	Chandigarh
4:15 pm	N	Kolkata
4:20 pm	-	-
4:25 pm	S	Pune
4:30 pm	G	Surat
4:35 pm	T	Jaipur
4:40 pm	B	Goa
4:45 pm	L	Delhi
4:50 pm	K	Lucknow
4:55 pm	D	Mysore
5:00 pm	-	-

S11. Ans.(a)
Sol.

Slots	Flights	Places
4:00 pm	J	Indore
4:05 pm	-	-
4:10 pm	O	Chandigarh
4:15 pm	N	Kolkata
4:20 pm	-	-
4:25 pm	S	Pune
4:30 pm	G	Surat
4:35 pm	T	Jaipur
4:40 pm	B	Goa
4:45 pm	L	Delhi
4:50 pm	K	Lucknow
4:55 pm	D	Mysore
5:00 pm	-	-

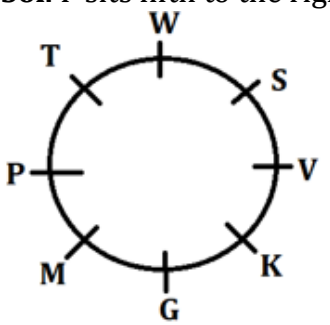
S12. Ans.(d)
Sol.

Slots	Flights	Places
4:00 pm	J	Indore
4:05 pm	-	-
4:10 pm	O	Chandigarh
4:15 pm	N	Kolkata
4:20 pm	-	-
4:25 pm	S	Pune
4:30 pm	G	Surat
4:35 pm	T	Jaipur
4:40 pm	B	Goa
4:45 pm	L	Delhi
4:50 pm	K	Lucknow
4:55 pm	D	Mysore
5:00 pm	-	-

S13. Ans.(e)
Sol.

Slots	Flights	Places
4:00 pm	J	Indore
4:05 pm	-	-
4:10 pm	O	Chandigarh
4:15 pm	N	Kolkata
4:20 pm	-	-
4:25 pm	S	Pune
4:30 pm	G	Surat
4:35 pm	T	Jaipur
4:40 pm	B	Goa
4:45 pm	L	Delhi
4:50 pm	K	Lucknow
4:55 pm	D	Mysore
5:00 pm	-	-

S14. Ans.(d)
Sol. P sits fifth to the right of K.



S15. Ans.(c)

Sol. From Statement I and Statement III: P visited on Friday.

Days	Persons
Monday	R
Tuesday	Q
Wednesday	V
Thursday	U
Friday	P
Saturday	T
Sunday	S

S16. Ans.(e)

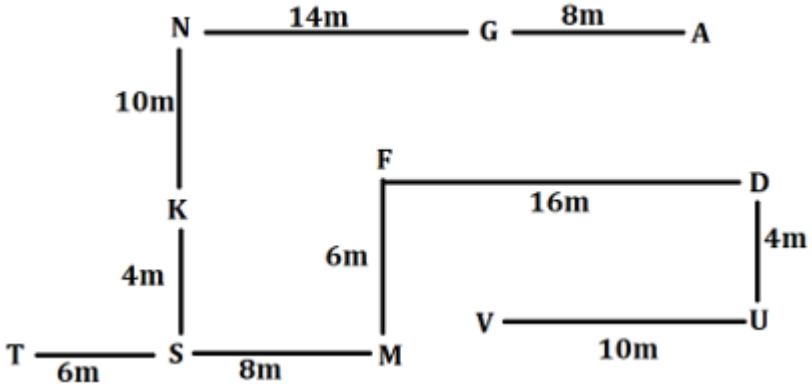
Sol. From Statement I, II and III: Desert Light Window – hb hu bg

Words	Codes
Stone	jk
Road	er
Clean	po
Mirror	lo
Window	bg
White	vc
Light	hu
Glass	rf
Dessert	hb
Black	mg
Fan/ Green	hs/ mn
Jungle/ Leaf	bs/ xc

S17. Ans.(e)

Sol.

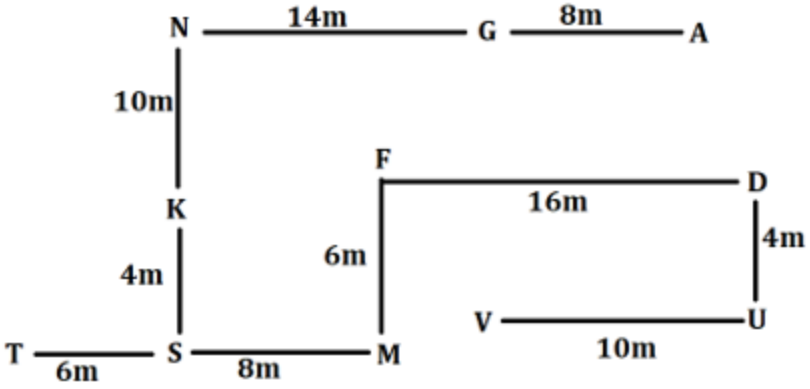
Logic: If the direction is in an even number it is added by 2 and if the direction is in an odd number it is added by 3



Point V is in South direction with respect to Point G.

S18. Ans.(d)

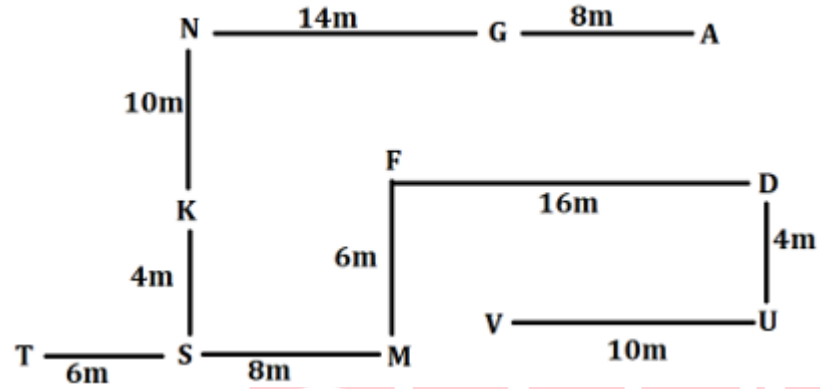
Sol. Logic: If the direction is in an even number it is added by 2 and if the direction is in an odd number it is added by 3



If Point F is 9m south of Point Y, then by Pythagoras theorem, the shortest distance between Point Y and Point S will be 17m

S19. Ans.(e)

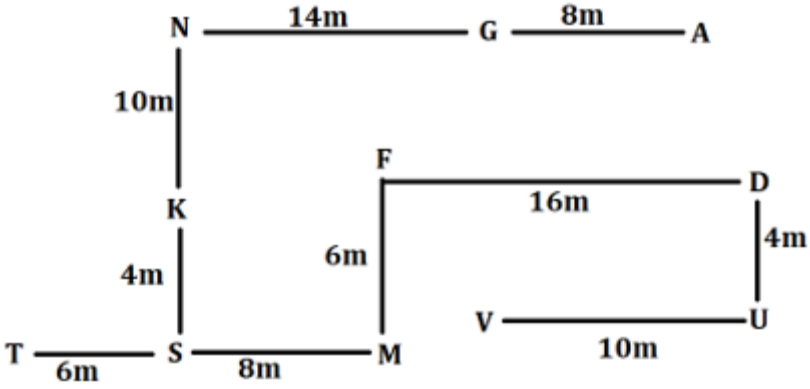
Sol. Logic: If the direction is in an even number it is added by 2 and if the direction is in an odd number it is added by 3



44m, East

S20. Ans.(b)

Sol. Logic: If the direction is in an even number it is added by 2 and if the direction is in an odd number it is added by 3



Except A-D, first point is to the north-east of the second point.

S21. Ans.(d)
Sol. While all options highlight relevant challenges, the core issue was the company's failure to localize its business model to suit the needs and preferences of Tier-3 town consumers. The platform may have ignored regional language support, local product demands, or flexible payment options like cash on delivery. Successful businesses in such markets typically adapt their approach to the socio-economic and cultural landscape.

S22. Ans.(e)
Sol. Each of the listed points reflects practical and strategic reasons for the company's success:
Cost-efficiency (a) directly appeals to courier businesses.
Affordable pricing (b) allows market penetration among SMEs.
Smart tracking (c) boosts end-user satisfaction.
Market need (d) ensures demand.
Hence, all of these combined contributed to strong adoption and funding.

S23. Ans.(a)
Sol. Statement I can be assumed because the initiative involves various efforts—EVs, emission control, and plastic bans—indicating a serious environmental focus.
Statement II can also be assumed as industries have expressed concern, showing a clear conflict between ecology and economy.
Statement III cannot be assumed because the opposition to the plastic ban is not specifically highlighted over other measures.

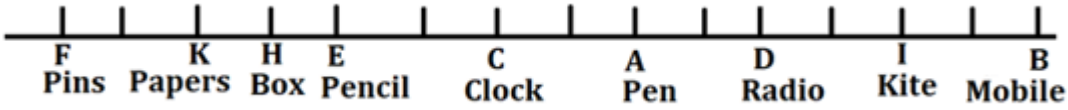
S24. Ans.(e)
Sol. While infrastructure and marketing challenges existed, the primary hurdle was the chatbot's inability to connect with rural users in their native language and its impersonal nature. In regions where face-to-face trust matters, such limitations are critical. Therefore, option (e) offers the most direct and impactful reason for failure.

S25. Ans.(b)
Sol. Statement II is a valid hypothesis, as awareness campaigns generally aim to influence behaviour.
Statement III is a valid hypothesis, given that influencers are mentioned as key outreach partners.
Statement I cannot be hypothesized confidently—uninstalling devices isn't mentioned or implied in the campaign's objective.

S26. Ans.(b)
Sol. Statement I is a valid inference as the company paused onboarding and is reviewing its selection process, indicating a shift in recruitment strategy.
Statement II cannot be definitely inferred as no data about the performance of Mumbai and Hyderabad candidates is provided.
Statement III is an extreme assumption and cannot be directly inferred. The company paused the process for review, not declared them unskilled.

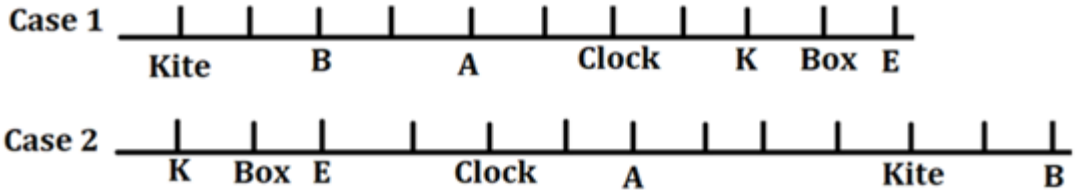
S27. Ans.(d)

Sol. Final Arrangement:



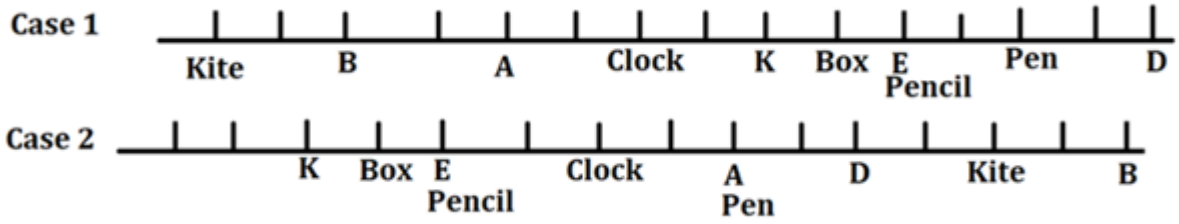
Clues: B sits second to the right of the one who has Kite. Three persons sit between A and the one who has Kite. One person sits between A and the person who has clock. Two persons sit between the ones who has clock and box. E sits immediate right of the one who has box. K sits second to the left of E who doesn't have Kite.

Inference: Here we get two possible cases:



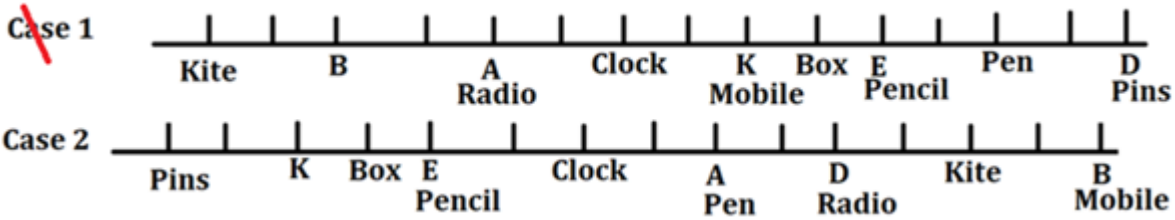
Clues: As many persons sit between K and the one who has clock as between E and the one who has Pen. The one who has pen sits to the right of the one who has box and second to the left of D. E sits fifth from one of the extreme ends and has pencil.

Inference: Above clue is arranged in both the cases:



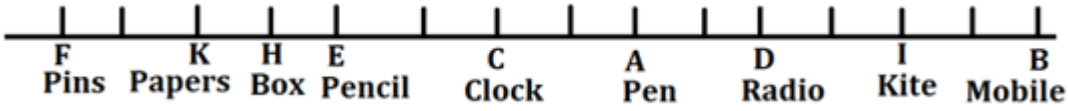
Clues: Three persons sit between the ones who has Pins and pencils. Nine persons sit between the ones who has Pins and radio. The one who has Mobile sits fourth to the right of the one who has radio and sits at one of extreme ends of the row.

Inference: Case 1 gets cancelled here:



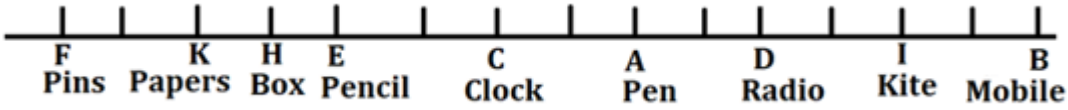
Clues: The number of persons sit between the one who has Mobile and A is two more than the number of persons sit between K and C. K has Papers. The one who has mobile sits second to the right of I. Eight persons sit between H and I. H sits third to the right of F.

Inference: Now, the final arrangement is:

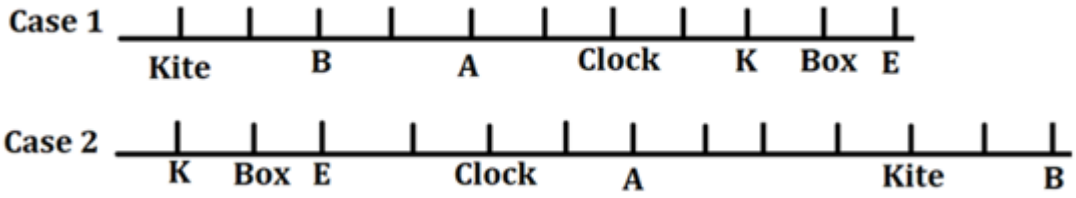


"B- Mobile" is the correct combination.

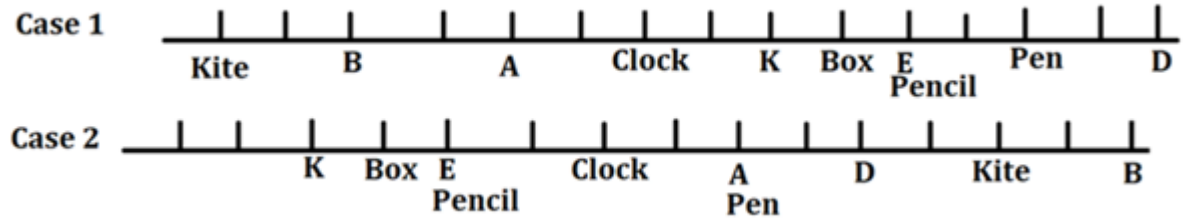
S28. Ans.(c)
Sol.
Final Arrangement:



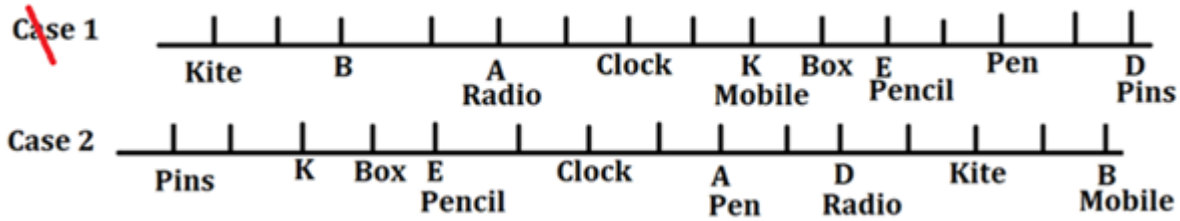
Clues: B sits second to the right of the one who has Kite. Three persons sit between A and the one who has Kite. One person sits between A and the person who has clock. Two persons sit between the ones who has clock and box. E sits immediate right of the one who has box. K sits second to the left of E who doesn't have Kite.
Inference: Here we get two possible cases:



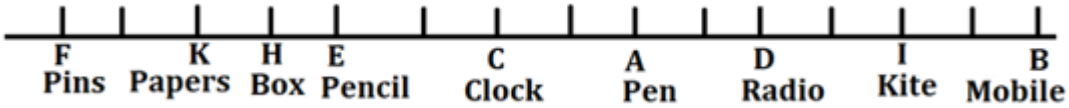
Clues: As many persons sit between K and the one who has clock as between E and the one who has Pen. The one who has pen sits to the right of the one who has box and second to the left of D. E sits fifth from one of the extreme ends and has pencil.
Inference: Above clue is arranged in both the cases:



Clues: Three persons sit between the ones who has Pins and pencils. Nine persons sit between the ones who has Pins and radio. The one who has Mobile sits fourth to the right of the one who has radio and sits at one of extreme ends of the row.
Inference: Case 1 gets cancelled here:



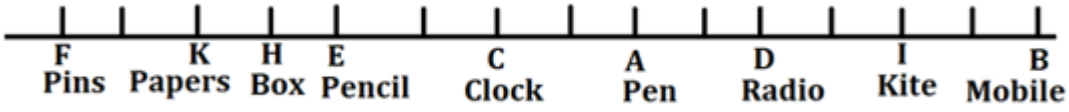
Clues: The number of persons sit between the one who has Mobile and A is two more than the number of persons sit between K and C. K has Papers. The one who has mobile sits second to the right of I. Eight persons sit between H and I. H sits third to the right of F.
Inference: Now, the final arrangement is:



The one who has pens sits Eighth to the right of F.

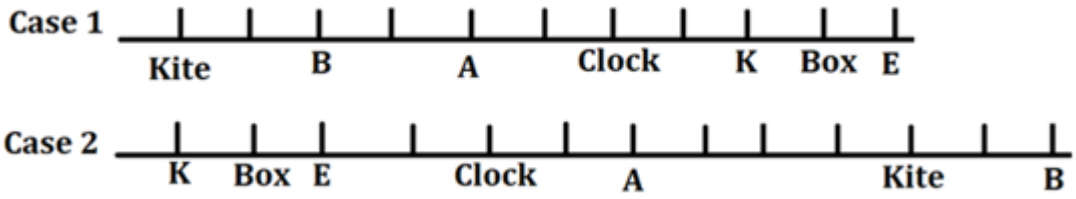
S29. Ans.(d)

Sol. Final Arrangement:



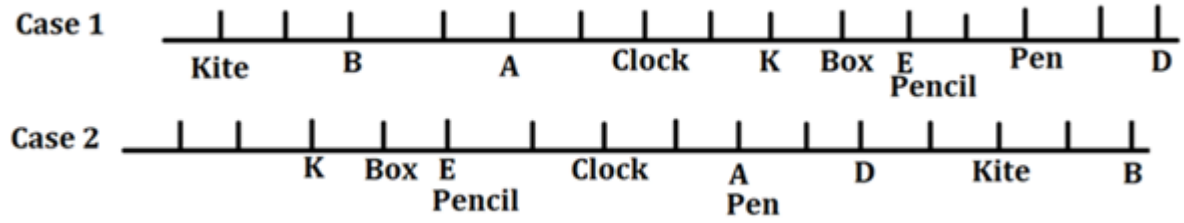
Clues: B sits second to the right of the one who has Kite. Three persons sit between A and the one who has Kite. One person sits between A and the person who has clock. Two persons sit between the ones who has clock and box. E sits immediate right of the one who has box. K sits second to the left of E who doesn't have Kite.

Inference: Here we get two possible cases:



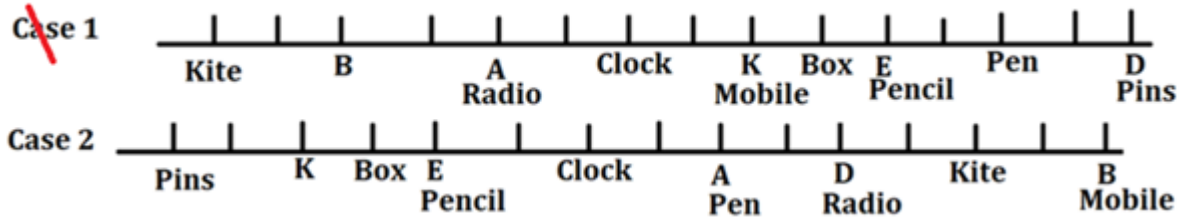
Clues: As many persons sit between K and the one who has clock as between E and the one who has Pen. The one who has pen sits to the right of the one who has box and second to the left of D. E sits fifth from one of the extreme ends and has pencil.

Inference: Above clue is arranged in both the cases:



Clues: Three persons sit between the ones who has Pins and pencils. Nine persons sit between the ones who has Pins and radio. The one who has Mobile sits fourth to the right of the one who has radio and sits at one of extreme ends of the row.

Inference: Case 1 gets cancelled here:



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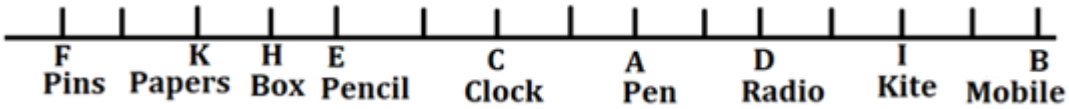
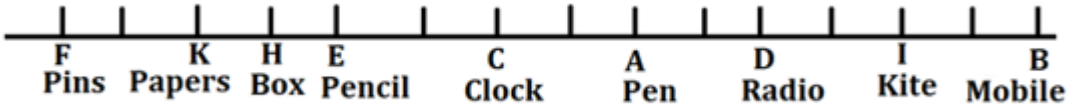


Number of persons sit to the left of H (3) + Number of persons sit between E and the one who has Mobile (9) = 3+9 = 12 persons

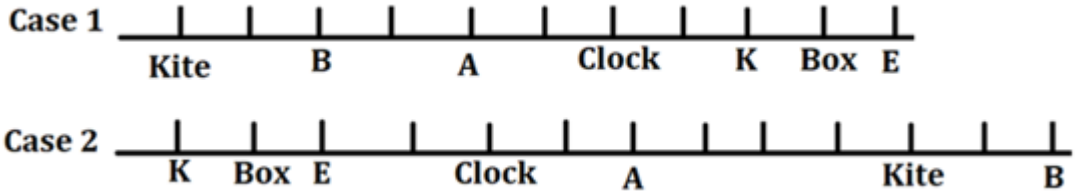
S30. Ans.(b)

Sol. Final Arrangement:



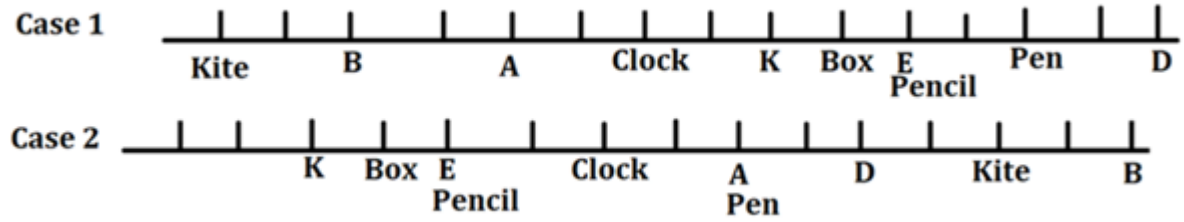
Clues: B sits second to the right of the one who has Kite. Three persons sit between A and the one who has Kite. One person sits between A and the person who has clock. Two persons sit between the ones who has clock and box. E sits immediate right of the one who has box. K sits second to the left of E who doesn't have Kite.

Inference: Here we get two possible cases:



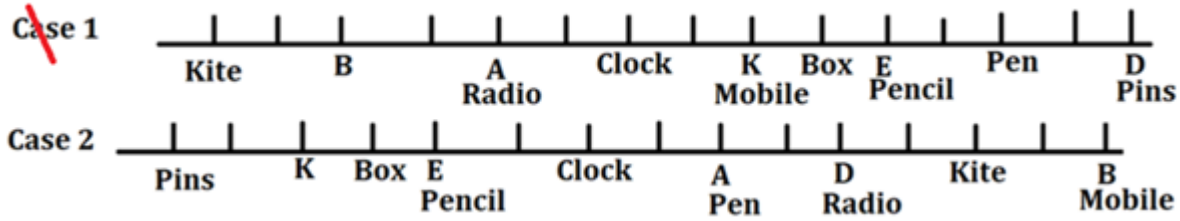
Clues: As many persons sit between K and the one who has clock as between E and the one who has Pen. The one who has pen sits to the right of the one who has box and second to the left of D. E sits fifth from one of the extreme ends and has pencil.

Inference: Above clue is arranged in both the cases:



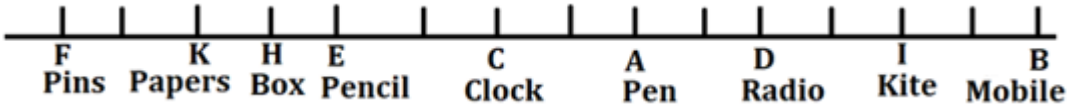
Clues: Three persons sit between the ones who has Pins and pencils. Nine persons sit between the ones who has Pins and radio. The one who has Mobile sits fourth to the right of the one who has radio and sits at one of extreme ends of the row.

Inference: Case 1 gets cancelled here:



Clues: The number of persons sit between the one who has Mobile and A is two more than the number of persons sit between K and C. K has Papers. The one who has mobile sits second to the right of I. Eight persons sit between H and I. H sits third to the right of F.

Inference: Now, the final arrangement is:



C sits exactly between the person who has Pins and the person who has Kite.