

SBI PO Mains 2019 Previous Year Questions (Reasoning)



Direction (1 – 3) : A number arrangement machine when given an input line of numbers rearranges them following a particular rule in each step. The following is an illustration of input and rearrangement.

Input: 734269 825497 647538 219354
961357 321658

Step I: 962437 794528 465783 123945
753169 236185

Step II: 123945 236185 465783 753169
794528 962437

Step III: 135924 135268 357468 135796
579248 379246

Step IV: 3458 31048 152848 33554
351832 211824

Step V: 20 16 28 20 22 18

Step V is the last step of the rearrangement. As per the rules followed in the above steps, find out in each of the following questions the appropriate steps for the given input.

Input: 856347 745982 329584 512379
954267 463512

1. If 20 is related to 10 in step V and 973215 is related to 743658 in step II. In the same way, in step III, 579248 is related to ____.

- A. 135246
- B. 357468
- C. 579246
- D. 359248
- E. None of the above

2. What is the difference between the second element from the left end in step II and second element from the right end in step IV?

- A. 156723
- B. 118964
- C. 127704
- D. 138567
- E. 102488

3. Which element is third to the right of second element from the left end in Step IV?

- A. 33518
- B. 31024
- C. 351832
- D. 351824
- E. 151832

Direction (4 – 6) : Study the following data carefully and answer the questions accordingly.

7 People A, C, F, J, N, R and V, all related to V in some way are facing North. J sits 3rd from the extreme end. V's father sits second to the right of J. Only 3 people are there between V's father and V's sister. As many people sit to the left of V's sister as to the right of V's mother. Only one person sits between N and V's mother. N is the son of C. A sits third to the right of C. C is the father of R. F sits to the immediate right of R. V's wife sits second to the left of V.

4. How many people sit to the right of V?

- A. One
- B. Two
- C. Three
- D. Four
- E. Five

5. Who sits second to the left of V?

- A. C
- B. R
- C. A
- D. J
- E. N

6. How is N related to A?

- A. Father
- B. Father in law
- C. Mother
- D. Sister
- E. Can't be determined

Direction: Study the following data carefully and answer the questions accordingly.

7. A & B → A is 15 m to the north of B
A @ B → A is 23 m to the east of B
A # B → A is 20 m to the south of B
A % B → A is 12 m to the west of B
If P % Q # R & S @ T # U, V @ U, then what is the distance between V and Q?

- A. 20 m
- B. 25 m
- C. 30 m
- D. 15 m
- E. 35 m

Direction (8 – 10) : Study the following data carefully and answer the questions accordingly.

The following words are coded in this manner:

'Words make sentences meaningful' is coded as 8 \$ A, 2!R, 6#C, 14 \$ F

'Rain stops every week' is coded as 2^E, 2#O, 8+A, 8!E

'Eagerly receives ___(a)___' is coded as 12%R, 4^R, 12+V

'Rarely prepares tasty food' is coded as 12%R, 2~S, ___(b)___, 8 @ O

8. What is the code for 'every motivated'?

- A. 5#F 6 @ R
- B. 2^E 6 \$ T
- C. 6#F 8 \$ D
- D. 5 \$ F 7 @ E
- E. 7 @ R 5%R

9. What will come in the blank '(a)'?

- A. Prepares
- B. Rarely
- C. Tasty
- D. Food
- E. Eagerly

10. What will come in the blank '(b)'?

- A. 5 \$ F
- B. 8*D
- C. 10+E
- D. 7#D
- E. 9^Y

Direction (11 – 12) : Study the following data carefully and answer the questions accordingly.

The following codes are used:

clubs (♣), diamonds (♦), hearts (♥) and spades (♠)

A♥B means A is to the North of B.

A♣B means A is to the South of B.

A♠B means A is to the East of B.

A♦B means A is to the West of B.

There are 3 buses travelling from Z to Y.

Bus 1: K 16♦ Z, J 10♣ K, M 9♦ J, D 18♥ M, C 29♠ D, P 9♥ C, Y 4♦ P

Bus 2: E 52♣ Z, F 6♦ E, G 13♥ F, H 10♦ G, K 39♥ H, Y 25♠ L

Bus 3: N 32♠ Z, Q 4♥ N, S 8♦ Q, T 4♥ S, C 20♦ T

11. What is the distance between D & T?

- A. 57 m
- B. 65 m
- C. 45 m
- D. 49 m
- E. None of these

12. What is the direction of H with respect to M?

- A. South
- B. North
- C. South-East
- D. South-West
- E. Can't be determined

Direction (13 – 15) : Study the following data carefully and answer the questions accordingly.

There are 8 people standing in 2 concentric square grounds. Four of them are standing in the outer ground facing inwards and four of them are standing in the inner ground facing outwards. All are standing in the middle of the side of the square. There are 4 couples.

Q is to the immediate right of T. Q faces V. There is only one person between V and R's husband. W faces the immediate neighbour of R. W is not the spouse of T. P neither faces W nor R. S is the immediate neighbour of P. P faces the center.

13. Who is the spouse of U?

- A. W
- B. V
- C. S
- D. P
- E. Can't be determined

14. Who among the following are the immediate neighbours?

- A. QR
- B. PW
- C. VW
- D. SV
- E. None of these

15. Who sits second to the right of T?

- A. U
- B. R
- C. Q
- D. V

E. W

Direction: In the question below is given a statement followed by three assumptions numbered I, II and III. An assumption is something supposed or taken for granted. You have to consider the following assumption and decide which of the assumption is implicit in the statement.

16. **Statement:** Prime Minister Narendra Modi on February 24 will launch the Rs 75,000-crore Pradhan Mantri Kisan Samman Nidhi (PM-KISAN) scheme in Gorakhpur, Uttar Pradesh, by transferring the first of the three installments of Rs 2,000 each to over one crore farmers having cultivable land up to two hectares. Another one crore farmers will be covered in the next 2-3 days.

Assumptions:

I. The central government had announced the PM-KISAN scheme under which Rs 6,000 per year will be given in three installments to small and marginal farmers holding cultivable land up to two hectares.

II. The scheme has been made effective from this fiscal itself and as a result, farmers would get one installment before March-end. This programme is part of the government's effort to address farm sector distress.

III. To provide an assured income support to the small and marginal farmers, the government is launching the Pradhan Mantri Kisan Samman Nidhi (PM-KISAN).

- A. Only II is implicit
- B. All I, II and III are implicit
- C. None is implicit
- D. Only I is implicit
- E. Only III is implicit

Direction: In each question below is given a statement followed by three assumptions numbered I, II and III. An assumption is something supposed or taken for granted. You have to consider the following assumption and decide which of the assumption is implicit in the statement.

17. **Statement:** The Indian authorities have allowed commercial operations to all the airports that were shut after a few fighter jets of the Pakistani Air Force entered the Indian side of Kashmir. The authorities had informed all airlines that airports near the Jammu & Kashmir region and Dehradun have been closed.

Assumptions:

I. The Pakistani Air Force entered into the Indian side of Kashmir after the Indian Air Force entered the Pakistani territory and bombed a terrorist training centre in Pakistan.

II. Several airline executives confirmed that the government has informed them that flights to Jammu, Srinagar, Leh, Amritsar, Dehradun & Dharamshala have been suspended 'till further notice.'

III. One official added that no Notice to Airmen (NOTAM) has been issued yet. It is a notification to the government that the airlines have received, the source in the know said.

- A. None is implicit
- B. Only I is implicit
- C. Both II and III are implicit
- D. Only III is implicit
- E. Only II is implicit

Direction: In the question below, are given a statement followed by three courses of actions numbered I, II and III. On the basis of the information given, you have to assume everything in the statement to be true, and then decide which of the suggested courses of action logically follow(s) for pursuing.

18. **Statement:** Early-stage startups and small businesses in India have been shying away from hiring women after the government increased paid maternity leave in 2017, a survey shows. An amendment to the Maternity Benefits Act, passed in March 2017, raised paid maternity leave for women from 12 weeks to 26 weeks, benefitting 1.8 million women workers in the organised sector. The law applies to all establishments employing 10 or more people, and the entitlement applies only up to the first two children. LocalCircles,

a citizens' forum which surveyed 9,000 early-stage startups and small businesses, said hiring women who will avail of maternity benefits, which includes six months' paid leave, has turned into a significant economic burden for startups that typically run on shoestring budgets. In the survey, 46% of the respondents said they hired mostly male employees in the last 18 months.

Courses of action:

I. While the government late last year said it will refund employers for seven weeks of pay given to an employee on maternity leave, startups and SMEs said it isn't enough to cover the cost. As per the survey, 65% of the respondents said that even 19 weeks of pay would be too much for them to absorb.

II. According to the latest Monster Salary Index report, women still earn 19% less than their male counterparts in India. This gap has decreased by 1% from last year. Further, the report adds that women-led businesses received only 65% of the funding secured by male-led ones.

III. However, not all small startups agree that maternity benefits need to be scrapped. Rohan Shravan, founder of AI startup Inkers Technology said that among his team of nine employees, three are women, and unlike many firms of its size, they even offer extended paternity leave benefit to employees.

- A. All follow
- B. Neither I nor III follows
- C. Only I follows
- D. None follows
- E. Only III follows

Direction (19 – 23) : Study the given information carefully and answer the questions given below.

Ten boxes P, Q, R, S, T, A, B, C, D and E are arranged in a stack from top to bottom (where the one at the bottom is numbered as 1 and the one at the top is numbered as 10) but not necessarily in the same order. Boxes which are kept at even-numbered position contain different fruits such as apple, pear, orange, litchi and kiwi.

Two boxes are kept between the box which contains orange and Box A. The box which contains orange is kept at either 8th or 10th position in the stack. Box R is kept above Box P but below Box S. Total number of boxes which contain fruits below and above the box which contains kiwi is the same. Box A is above Box T but not immediately above. The number of boxes kept between box A and Box T is same as the number of boxes kept between box T and Box D. The box which contains pear is kept above the box which contains litchi. Box C is kept immediately above Box Q. Only three boxes are kept between box E and Box D where Box E is kept above box D. Box D doesn't contain Kiwi. The box which contains apple is kept below Box T but not immediately below. Neither box R nor box Q contains Pear. Box B contains apple. The box which contains orange is not kept immediately above Box E.

19. How many boxes are kept between Box C and the box which is kept at fourth from the bottom?

- A. Three
- B. Four
- C. More than four
- D. Two
- E. None of these

20. Which fruit is contained by T?

- A. Litchi
- B. Kiwi
- C. Apple
- D. Orange
- E. None

21. What is the position of Box S from the top of the stack?

- A. First
- B. Second
- C. Fourth
- D. Third
- E. Sixth

22. Which of the following can be said for the box R?

- I. Box R contains Kiwi.
- II. Box R is kept immediate above E.

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III. Box R is kept exactly between Box A and Box T.

- A. Only I
- B. Only II
- C. Only III
- D. Both I and II
- E. None of the above

Direction: The question consists of a question and three statements numbered I, II and III given below. You have to decide whether the data provided in which of the statements are sufficient to answer the question. Choose your answer from the options based on this.

23. Eight persons A, B, C, D, E, F, G and H are staying on an eight-storey building. Lowermost floor is numbered 1 and the topmost floor is numbered 8. Who among the following lives on the bottom floor?

- I. B lives 3 floors above F. G lives just above B. One person lives between B and A.
 - II. A lives on an odd-numbered floor. C lives two floors below A.
 - III. E lives just above D. Two persons live between D and H.
- A. I and II
 - B. II and III
 - C. Either I and III or II and III
 - D. Any of two
 - E. All of them

Direction (24 – 28) : Study the information given below and answer the questions based on it.

A, B, C, D, E, F, G, H and I are nine people standing in 3 parallel rows facing north, in such a way that there is an equal distance between adjacent persons. Each row contains three positions. They speak different language Hindi, Marathi, Gujarati, English, Tamil, and Telugu.

- 1) I, D and G are standing in 3 different rows and they all speak a different language.
- 2) One who speaks Gujarati is immediate left of the one who speaks Marathi in Row-1.
- 3) There are 3 students who can speak English and all are standing in different rows.

4) H is standing in row-1 and speaks English. Also, he is at the right end.

5) G speaks neither Hindi nor English and speaks only that language which is not spoken by any other student.

6) One who speaks Tamil is in Row-2 and is diagonally opposite to the one who speaks Hindi and Telugu in Row-3.

7) One who Speaks Telugu in row-2 is in parallel to the students who speak Gujarati in row-1 and Hindi in row-3.

8) B is the only one who speaks Gujarati and is diagonally opposite to A. I is in the second row and D cannot speak English.

9) In Row-3 F is on the extreme right end. And He finds no difficulty to talk to E.

24. Who is standing in the middle of row-3?

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

25. Who is immediate neighbour of the one who speaks English in Row-2?

- A. E
- B. A
- C. I
- D. F
- E. C

26. Who is not standing in row-2?

- A. A
- B. C
- C. I
- D. E
- E. None of these

27. Who does not speak English?

- A. H
- B. A
- C. D
- D. C
- E. None of these

Direction (28 – 29) : Read the given passage below and answer the questions. Amid a changing environment, with natural homes of birds getting depleted as natural forests make way for plantations and other such modified

terrains, comes the good news of how the great Indian hornbill adapts to such change. A group of researchers from NCBS-TIFR in Bengaluru and Nature Conservation Foundation in Mysuru observed eight hornbill nests, three located in contiguous forests and five located in modified habitats such as coffee plantations. They found that the birds followed similar nesting behaviour but adapted to the changing environment. The team chose to study the great Indian hornbills nesting in the Anamalai hills. For comparison, the researchers located the study in the modified habitat in the Valparai plateau and the contiguous forests in the Anamalai Tiger Reserve and the Vazhachal Reserve forests. The modified habitat included tea, coffee and cardamom plantations, and tribal settlements.

28. Which of the following is not an apt conclusion on the basis of the information provided?

- A. Some of the nests were discovered during the study with the help of local tribal assistants.
- B. Great hornbills may adapt to habitat modification provided that their key requirements for food and nesting are fulfilled in the habitats like coffee and forest fragments.
- C. Considering that hornbills use same nest over years, protection of these known nest trees and retention of large trees that can be potential nests is absolutely essential.
- D. None of the above.
- E. All of the above.

29. Which of the following is/are a suitable course of action in lieu of the information provided?

- A. Hornbills are secondary cavity nesters and choose cavities formed in large trees for nesting. Also, they are monogamous, and the female, after copulation, seals herself in the hole until the initial breeding period of two-four months is over.

B. The team also highlighted the potential of rainforest fragments and coffee plantation for conservation of hornbills outside of protected areas.

C. In addition, it is necessary to have a diversity of native tree species, particularly figs, laurels and other food plants.

D. Along with other threats such as hunting, modified land use, ensuing forest fragmentation, felling of large trees with the potential for nesting, the loss of fruit bearing trees could also affect hornbill nesting habits.

E. Considering that hornbills use same nest over years, protection of these known nest trees and retention of large trees that can be potential nests is absolutely essential.

30. **Direction:** Study the information given below and answer the questions based on it.

Revenue growth at mid-tier IT services firms such as Hexaware, Zensar, Mphasis and L&T Infotech is set to pick up, boosted by strong deal wins as they see customers keen to invest more in technology projects. While they are projected to outpace large rivals such as Infosys and Wipro in growth, the pressure on their margins is likely to be higher.

Which of the following can be **logically inferred** from the above information?

- A. All indicators show that these mid-tier IT service firms will again grow better than industry average in FY2020. Their pipeline is better than last year. They are growing both existing accounts and getting new logos and deals especially in the last quarter.
- B. It is broad-based growth, across geographies, verticals and service lines, unlike their large peers where we see softness in a few geographies and verticals.
- C. Mid-tier companies are sharpening their overall strategy, by increasing focus on certain markets and businesses than spread thin.
- D. While these firms are growing fast, their margins continue to be under pressure. The pricing pressure in the

traditional segment can erode their margins further.
E. All can be inferred.

Direction (31 - 34) : Study the following information carefully and answer the given questions.

Six persons i.e. M, N, O, P, Q and R who all are sitting around a hexagonal table facing towards the center. They all are of different height and weight such that the one who is the tallest is not the lightest among all. They all are of different age i.e. 14, 22, 28, 30, 35 and 60 but not necessarily in the same order.

The one who is the heaviest among all sits third to the right of N, who is 60 years of age. The one who is twice the age of Q is the third lightest among all. The one who is 35 years of age is the second tallest, who sits second to the right of Q, who is not the immediate neighbour of N. Only one person sits between N and the one who is the third heaviest among all, who is 14 years of age. The one who is younger than Q is not the lightest. Q is shorter than only two people. O's age is half the age of M. M sits third to the right of the one who is the shortest in height among all. The one who is older than P is taller than Q. The one who is 30 years old is the heaviest among all. The one who sits opposite to R is the second heaviest among all. R sits second to the right P. M is taller than the one who is 14 years old.

31. Who among the following faces P?

- A. M
- B. O
- C. N
- D. Q
- E. R

32. Who among the following is the third lightest person?

- A. M
- B. R
- C. N
- D. O
- E. Q

33. Four of the following five are alike in a certain way and hence form a group.

Find the one that does not belong to the group.

- A. O
- B. Q
- C. R
- D. N
- E. P

34. Who among the following is the shortest person in this group?

- A. O
- B. R
- C. P
- D. N
- E. Q

Direction: The question below consists of a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question.

35. Among M, N, O, P, Q and R, who got the highest salary?

I. O got more salary than only two persons. N got more salary than M but not the highest. Q got more salary than only R.

II. M got less salary than only two persons. Q got a higher salary than R but less than O. O got less salary than M. N got less salary than P.

A. The data in statement II alone are sufficient to answer the question, while the data in statement I alone is not sufficient to answer the question

B. The data even in both statements I and II together is not sufficient to answer the question

C. The data either in statement I alone or in statement II alone is sufficient to answer the question

D. The data in statement I alone are sufficient to answer the question, while the data in statement II alone is not sufficient to answer the question

E. The data in both statements I and II together is necessary to answer the question

Direction : Study the information given below and answer the questions based on it.

There are 6 persons in a list A, B, C, D, E and F. They got different marks in an examination. C got more marks than D but less than B. E got more marks than F and F got the least marks among them. The one who got the highest marks got 400 marks and the one who got the least marks got 60 marks. The one who got the highest marks, his position in the list is number 1 and the one who got the least marks, his position in the list is number 6.

36. If A got 400 marks and E's position in the list is 2nd last and the persons who got last 3 positions in the list, their average marks is 95, then what will be the total marks of D and E together?

- A. 245
- B. 235
- C. 225
- D. 200
- E. None of these

Direction (37 - 39) : Study the following information carefully and answer the questions given below.

There are five vehicles of different types viz., Bus, Van, Bike, Truck and Jeep in a garage but not necessarily in the same order. They are serviced at different timing in a single day. The duration of their servicing in the garage may or may not be different. The total duration of the servicing in the garage by the mechanic is of 11 hours. There is no gap between the servicing time of all vehicles. The duration of servicing is either a full hour or half an hour but not in one third or one fourth. The van was serviced in the garage from 12:30 pm to 3 pm. Jeep was taken for servicing immediately after the Van. The servicing hour of Jeep in the garage is three hours. The duration of servicing of Truck is more than the duration of servicing of Bike in the garage by 1 hour. Truck was serviced just after the servicing of Bike. The truck was not serviced at the last. The bus was serviced in the garage before Van but not

immediately before. The duration of servicing of the bus is of 1.5 hours. The servicing of the bike is after 6:00 am.

37. Which among the following was serviced from 3:00-6:00 pm?

- A. Bus
- B. Bike
- C. Truck
- D. Jeep
- E. Van

38. Which among the following was serviced just after bus?

- A. Truck
- B. Bike
- C. Van
- D. Jeep
- E. None of these

39. What is the duration (in hours) of the Bike's servicing?

- A. 2.5 hour
- B. 3 hour
- C. 3.5 hour
- D. 1.5 hour
- E. 2 hour

Direction: The question given below consists of a statement, followed by three arguments numbered I, II and III. You have to decide which of the arguments is/are 'strong' arguments and which is/are 'weak' arguments and accordingly choose your answer from the alternatives given below each question.

40. **Statement:** India has conveyed to Russia that it will not be part of the project now to develop a fifth-generation fighter aircraft (FGFA) and may join the programme at a later stage, according to Defence Minister Nirmala Sitharaman. It was conveyed to Russia that they can go ahead with the project and we may join it at a later stage.

Which among the following arguments support the above statement in the best possible manner?

Arguments:

I. India and Russia had signed an inter-governmental agreement for the mega project in 2007, vowing to take the

military ties between the two strategic partners to the next level.

II. However, the project has been stuck for the last 11 years as there have been serious differences between the two sides on sharing the cost of developing the jet, technologies to be used in it and number of aircraft to be produced.

III. The government is adopting a layered approach to achieve the final goal of theatre command and that the thrust was on a bottom-up approach.

- A. None is strong.
- B. Only III and II are strong.
- C. Only III is strong.
- D. All except III and I are strong.
- E. All are strong.

41. After GST and demonetisation, rising interest rates are set to hurt SMEs. Interest rates for loans against property (LAP) extended to small and medium sized enterprises (SMEs) are set to rise in the coming months of 2018. Rising interest rates, in addition to the muted operating environment for small businesses in India, will lead to an increase in delinquencies on LAP extended to SMEs. The introduction of the goods and services tax (GST) in July 2017 and the government's demonetization policy have placed stress on the SME sector, which rising interest rates will exacerbate.

Which of the following can be **logically inferred** from the statement above?

- A. In addition to rising delinquencies over the last few years would force lenders to be more cautious while underwriting loans. This would limit refinancing options, adversely affecting existing borrowers.
- B. But losses will be limited because these loans are secured and have relatively low loan-to-value ratios.
- C. Rising interest rates will limit refinancing options and increase repayment amounts, increasing risks for asset backed securities (ABS) backed by LAP to SMEs.
- D. The ABS (asset backed securities) backed by LAP extended to SMEs have non-amortizing cash reserves,

substantial excess spread and the possibility to extend the life of the loans and hence the life of the transactions.

E. None can be inferred.

Direction: Two statements are followed by three conclusions I, II and III. You have to consider the statements to be true, even if they seem to be at variance from commonly known facts. You have to decide which of the given conclusions can definitely be drawn from the given statements and indicate your answer accordingly.

42. Statements:

I. The world's largest bee — a giant insect roughly the size of a human thumb — has been rediscovered in a remote part of Indonesia in its first sighting in nearly 40 years, researchers said.

II. Despite its conspicuous size, no one had observed Wallace's giant bee — discovered in the 19th century by British naturalist Alfred Russel Wallace.

Conclusions:

I. Several previous expeditions to the region where the bee lives failed to spot it.

II. Indonesia is home to an abundant variety of flora and fauna but there are fears for some animal and insect communities as forests being cut down for agriculture threaten many species' natural habitat.

III. The bee which lives in the Indonesian island region of North Moluccas, makes its nest in termite mounds, using its large fang-like mandibles to collect sticky resin to protect its home from the termites.

- A. Only conclusion I follows
- B. Both conclusions II and III follow
- C. Only conclusion III follows
- D. Only conclusion II follows
- E. Both conclusions I and II follow

Direction: Study the following information carefully and answer the questions given below:

Six people i.e. L, M, N, P, R and S are sitting around a triangular table but not necessarily in the same order. Three of them sit at the corner of the table and

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three of them sit in the middle of the side. Some of them are facing inside the table and some of them are facing outside the table. Not more than two persons sit adjacent to each other who are facing the same direction. Two persons sit between R and P. P faces inside. S sits second to the right of R. L faces the opposite direction to R. Only one person sits between N and S who does not sit at the corner of the table. M and N face the same direction as P. M sits 2nd to the left of L.

43. Four of the following five are alike in a certain way and hence form a group. Which is the one that does not belong to that group?

- A. R
- B. M
- C. N
- D. P

E. L

44. Who amongst the following sits second to the right of the one who sits third to the left of N?

- A. R
- B. L
- C. P
- D. S
- E. None of these

45. How many persons sit between S and N when counted from the right of N?

- A. Three
- B. Two
- C. One
- D. None
- E. None of these

gradeup

###ANSWERS###

1. Ans. B.

The logic for the given arrangement is:
 Step I - In even numbers, group of 2 digits are reversed and in odd numbers, all the digits are reversed.
 Step II - All the numbers are arranged in ascending order from left to right.
 Step III - First odd numbers and then even numbers are arranged in ascending order within the numbers.
 Step IV - Group of 2 digits are multiplied.
 Step V - Add all the digits within the numbers.
 Input: 856347 745982 329584 512379 954267 463512
 Step I: 743658 479528 235948 973215 762459 645321
 Step II: 235948 479528 645321 743658 762459 973215
 Step III: 359248 579248 135246 357468 579246 135792
 Step IV: 151832 351832 31024 152848 351824 33518
 Step V: 20 22 10 28 23 20

2. Ans. C.

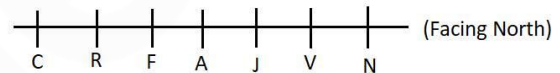
The logic for the given arrangement is:
 Step I - In even numbers, group of 2 digits are reversed and in odd numbers, all the digits are reversed.
 Step II - All the numbers are arranged in ascending order from left to right.
 Step III - First odd numbers and then even numbers are arranged in ascending order within the numbers.
 Step IV - Group of 2 digits are multiplied.
 Step V - Add all the digits within the numbers.
 Input: 856347 745982 329584 512379 954267 463512
 Step I: 743658 479528 235948 973215 762459 645321
 Step II: 235948 479528 645321 743658 762459 973215
 Step III: 359248 579248 135246 357468 579246 135792
 Step IV: 151832 351832 31024 152848 351824 33518
 Step V: 20 22 10 28 23 20

3. Ans. D.

The logic for the given arrangement is:

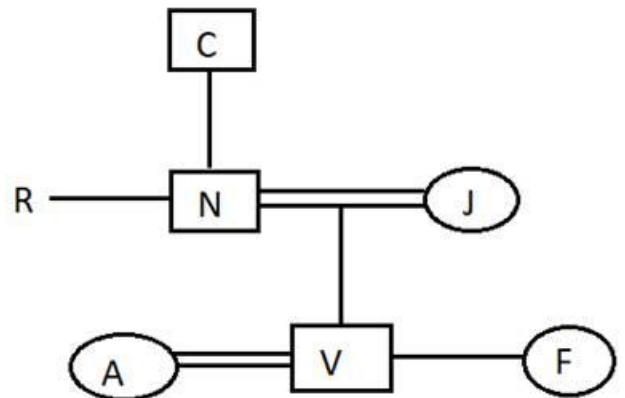
Step I - In even numbers, group of 2 digits are reversed and in odd numbers, all the digits are reversed.
 Step II - All the numbers are arranged in ascending order from left to right.
 Step III - First odd numbers and then even numbers are arranged in ascending order within the numbers.
 Step IV - Group of 2 digits are multiplied.
 Step V - Add all the digits within the numbers.
 Input: 856347 745982 329584 512379 954267 463512
 Step I: 743658 479528 235948 973215 762459 645321
 Step II: 235948 479528 645321 743658 762459 973215
 Step III: 359248 579248 135246 357468 579246 135792
 Step IV: 151832 351832 31024 152848 351824 33518
 Step V: 20 22 10 28 23 20

4. Ans. A.



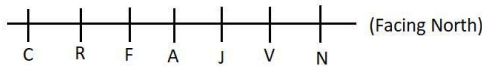
Family Tree,

Symbol in diagram	Meaning
○	Female
□	Male
==	Married Couple
—	Siblings
	Difference of a generation



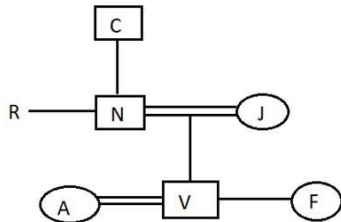
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5. Ans. C.

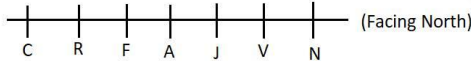


Family Tree,

Symbol in diagram	Meaning
○	Female
□	Male
══	Married Couple
—	Siblings
	Difference of a generation

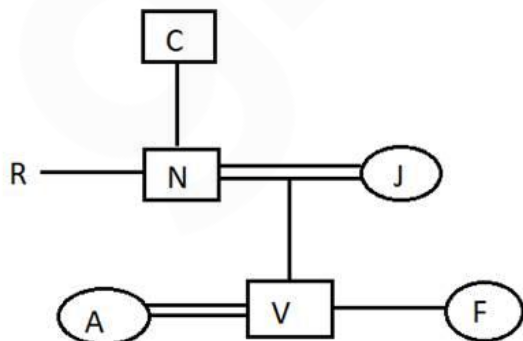


6. Ans. B.

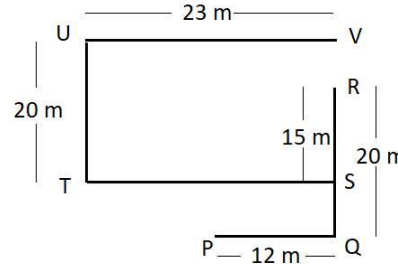


Family Tree,

Symbol in diagram	Meaning
○	Female
□	Male
══	Married Couple
—	Siblings
	Difference of a generation



7. Ans. B.



8. Ans. B.

The logic behind the coding is:
Every word is coded by number, symbol & letter.

Logic behind Number:

If Number of letters is even: Add 4 to the total number of letters

If Number of letters is odd: Subtract 3 from the total number of letters

Logic behind symbol:

Starting word	Symbol
W	!
M	\$
S	#
R	+
E	^
P	%
T	~
F	@

Logic behind Letter: 3rd letter of every word from the right is taken.

9. Ans. A.

The logic behind the coding is:
Every word is coded by number, symbol & letter.

Logic behind Number:

If Number of letters is even: Add 4 to the total number of letters

If Number of letters is odd: Subtract 3 from the total number of letters

Logic behind symbol:

Starting word	Symbol
W	!
M	\$
S	#
R	+
E	^
P	%
T	~
F	@

Logic behind Letter: 3rd letter of every word from the right is taken.

10. Ans. C.

The logic behind the coding is:

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Every word is coded by number, symbol & letter.

Logic behind Number:

If Number of letters is even: Add 4 to the total number of letters

If Number of letters is odd: Subtract 3 from the total number of letters

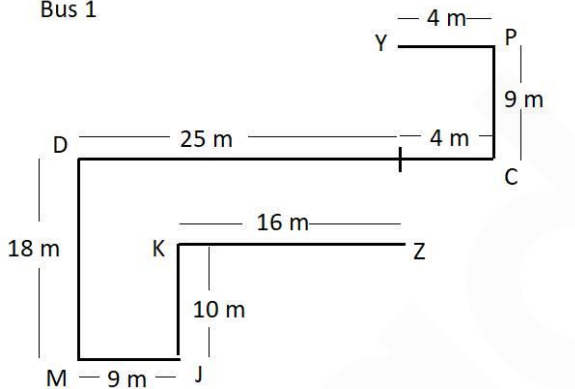
Logic behind symbol:

Starting word	Symbol
W	!
M	\$
S	#
R	+
E	^
P	%
T	~
F	@

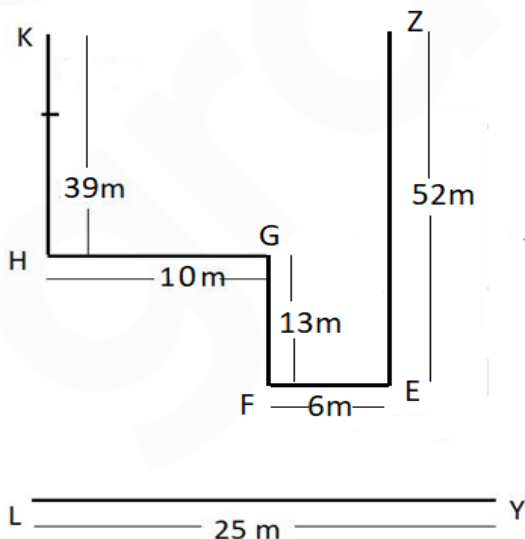
Logic behind Letter: 3rd letter of every word from the right is taken.

11. Ans. D.

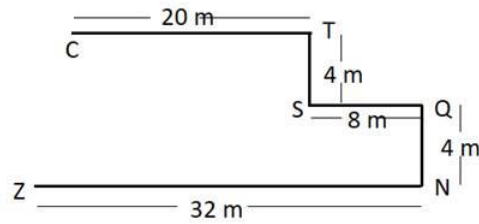
Bus 1



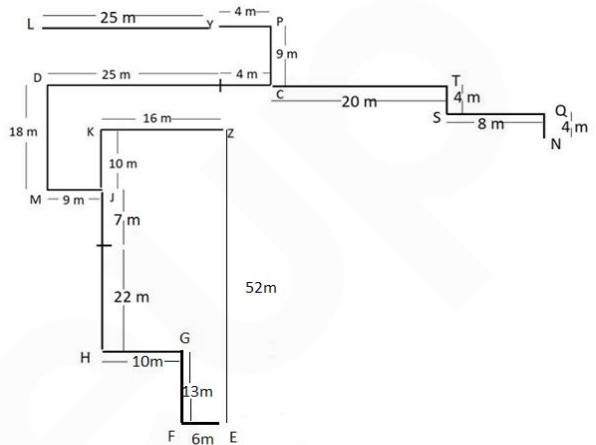
Bus 2



Bus 3

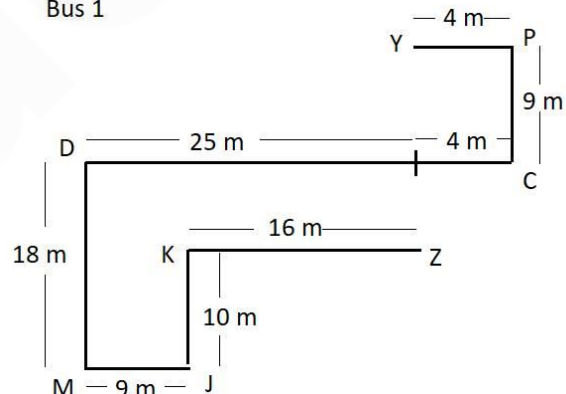


After Combining

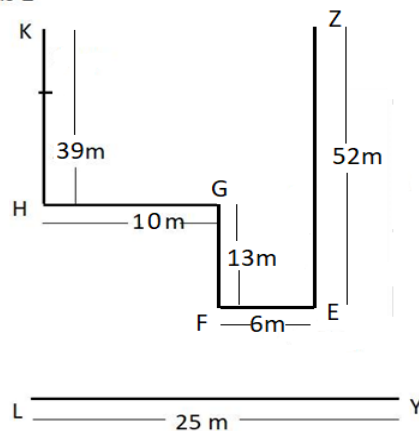


12. Ans. C.

Bus 1



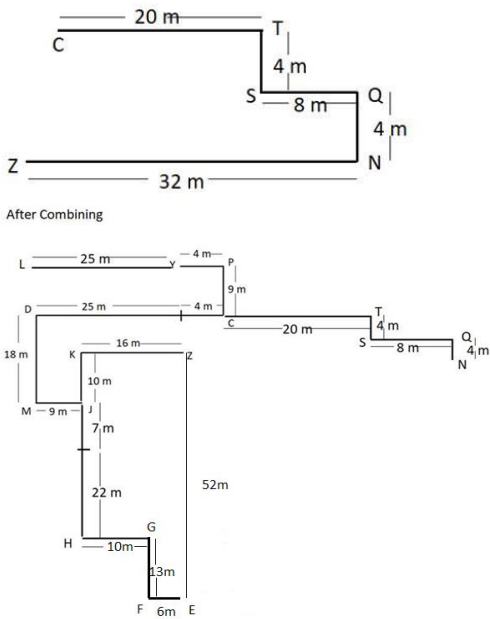
Bus 2



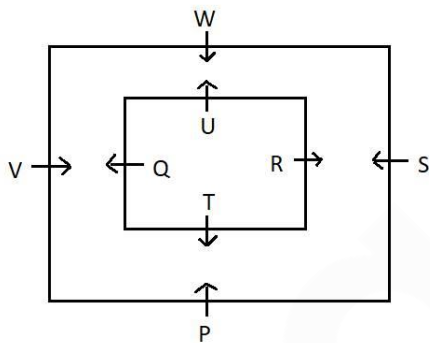
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Bus 3

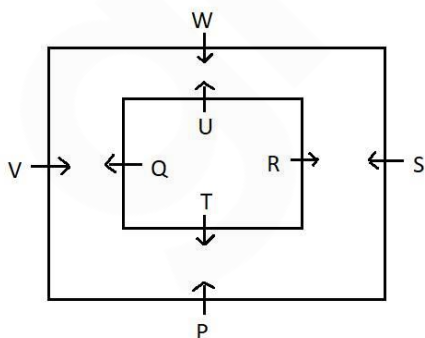


13. Ans. A.



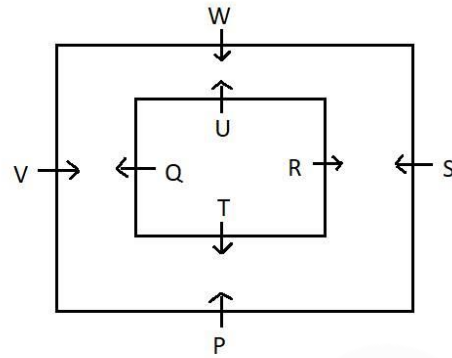
Couples: PT, RS, WU & VQ

14. Ans. C.



Couples: PT, RS, WU & VQ

15. Ans. A.



Couples: PT, RS, WU & VQ

16. Ans. B.

The correct answer is **option B**, i.e. **All I, II and III are implicit.**

An assumption is a thing that is accepted as true or as certain to happen, without proof.

From the statement, it is evident that it is about the PM-KISAN scheme which is entitled to small and medium farmers having cultivable land up to two hectares. The first installment as promised by the Prime Minister Narendra Modi will be processed on February 24.

Assumption (I) is a perfect assumption based on the information provided. The figure of 6000 is evident from the information stated, 'first of the three installments of Rs 2,000 each'.

Assumption (II) is also appropriate. The idea of the scheme launched in this fiscal is evident from the fact that PM is launching it now and before March end the first transaction would be done. It also highlights the general idea behind the scheme to help the distressed farmers.

Similarly, assumption (III) is also appropriate as it follows the flow of the ideas stated and brings out the financial benefit the scheme will provide to the farmers.

Thus, all of the assumptions are relevant thus the most appropriate answer choice is option B.

17. Ans. A.

The correct answer is **option A**, i.e. **None is implicit.**

An assumption is a thing that is accepted as true or as certain to happen, without proof.

From the statement, it is evident the Indian authorities have allowed commercial operations to all the airports near the Jammu & Kashmir region and Dehradun that were shut after a few fighter jets of the Pakistani Air Force entered the Indian side of Kashmir. And further information regarding its components is also mentioned.

Assumption (I) can be rejected as the information stated in it is not backed by the context given.

Assumption (II) is not an apt assumption that can be made on the basis of the information provided. All the places mentioned for example Amritsar, Dharamshala are not evident from the given context.

Assumption (III) is rejected as it is contradictory to the information stated. It states that no NOTAM has been issued whereas the given information states that information has been sent to the authorities.

Thus, all of the assumptions are irrelevant and can be rejected and the most appropriate answer choice is option A

18. Ans. D.

The correct answer is **option D**, i.e. **None follows**.

A course of action is something that needs to be done considering the present scenario in mind.

From the statement, it is evident that it's about Maternity leave granted to the women employees as per the law and how the companies have been avoiding hiring female staff in order to avoid maternity leaves to them. Thus, a suitable course of action must be in the sense to avoid this injustice being done to women.

Course of action (I) can be rejected as it presents a course of action that is already stated by the government (past tense). Moreover, it further presents the problem and does not present the solution to it and is thus rejected.

Course of action (II) is rejected as it simply presents facts and does not suggest any course of action.

Based on similar grounds, course of action (III) is also rejected. Course of action (III) also shows the views of the startups and the stats but it fails to provide a solution to the problem.

Thus, all the courses of actions are irrelevant and can be rejected.

19. Ans. C.

The box which contains orange is kept at either 8th or 10th position in the stack.

Two boxes are kept between the box which contains orange and Box A.

Number of boxes which contain fruits is same below and above the box which contains kiwi.

Case 1

	Box	Fruit
10		Orange
9		
8		
7	A	
6		Kiwi
5		
4		
3		
2		
1		

Case 2

	Box	Fruit
10		
9		
8		Orange
7		
6		Kiwi
5	A	
4		
3		
2		
1		

Number of boxes kept between box A and Box T is same as the number of boxes kept between box T and Box D.

Box A is above Box T but not immediately above.

The box which contains orange is not kept immediately above Box E.

Case 1 (A)

	Box	Fruit
10		Orange
9		
8		
7	A	
6		Kiwi
5	T	
4		
3	D	
2		
1		

Case 1 (B)

	Box	Fruit
10		Orange
9		
8		
7	A	
6		Kiwi
5		
4	T	
3		
2		
1	D	

Case 2

	Box	Fruit
10		
9		
8		Orange
7		
6		Kiwi
5	A	
4		
3	T	
2		
1	D	

Only three boxes are kept between box E and Box D where Box E is kept above box D.

(Hence, Case 1(A) and Case2 will get eliminated)

The box which contains apple is kept below Box T but not immediately below. Box B contains apple.

The box which contains pear is kept above the box which contains litchi.

Box C is kept immediately above Box Q.

Neither box R nor box Q contains Pear.

Box R is kept above Box P but below Box S.

	Box	Fruit
10	C	Orange
9	Q	
8	S	Pear
7	A	
6	R	Kiwi
5	E	
4	T	Litchi
3	P	
2	B	Apple
1	D	

20. Ans. A.

The box which contains orange is kept at either 8th or 10th position in the stack.

Two boxes are kept between the box which contains orange and Box A.

Number of boxes which contain fruits is same below and above the box which contains kiwi.

Case 1

	Box	Fruit
10		Orange
9		
8		
7	A	
6		Kiwi
5		
4		
3		
2		
1		

Case 2

	Box	Fruit
10		
9		
8		Orange
7		
6		Kiwi
5	A	
4		
3		
2		
1		

Number of boxes kept between box A and Box T is same as the number of boxes kept between box T and Box D.

Box A is above Box T but not immediately above.

The box which contains orange is not kept immediately above Box E.

Case 1 (A)

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	Box	Fruit
10		Orange
9		
8		
7	A	
6		Kiwi
5	T	
4		
3	D	
2		
1		

Case 1 (B)

	Box	Fruit
10		Orange
9		
8		
7	A	
6		Kiwi
5		
4	T	
3		
2		
1	D	

Case 2

	Box	Fruit
10		
9		
8		Orange
7		
6		Kiwi
5	A	
4		
3	T	
2		
1	D	

Only three boxes are kept between box E and Box D where Box E is kept above box D.

(Hence, Case 1(A) and Case2 will get eliminated)

The box which contains apple is kept below Box T but not immediately below. Box B contains apple.

The box which contains pear is kept above the box which contains litchi.

Box C is kept immediately above Box Q.

Neither box R nor box Q contains Pear.

Box R is kept above Box P but below Box S.

	Box	Fruit
10	C	Orange
9	Q	
8	S	Pear
7	A	
6	R	Kiwi
5	E	
4	T	Litchi
3	P	
2	B	Apple
1	D	

21. Ans. D.

The box which contains orange is kept at either 8th or 10th position in the stack.

Two boxes are kept between the box which contains orange and Box A.

Number of boxes which contain fruits is same below and above the box which contains kiwi.

Case 1

	Box	Fruit
10		Orange
9		
8		
7	A	
6		Kiwi
5		
4		
3		
2		
1		

Case 2

	Box	Fruit
10		
9		
8		Orange
7		
6		Kiwi
5	A	
4		
3		
2		
1		

Number of boxes kept between box A and Box T is same as the number of boxes kept between box T and Box D.

Box A is above Box T but not immediately above.

The box which contains orange is not kept immediately above Box E.

Case 1 (A)

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	Box	Fruit
10		Orange
9		
8		
7	A	
6		Kiwi
5	T	
4		
3	D	
2		
1		

Case 1 (B)

	Box	Fruit
10		Orange
9		
8		
7	A	
6		Kiwi
5		
4	T	
3		
2		
1	D	

Case 2

	Box	Fruit
10		
9		
8		Orange
7		
6		Kiwi
5	A	
4		
3	T	
2		
1	D	

Only three boxes are kept between box E and Box D where Box E is kept above box D.

(Hence, Case 1(A) and Case2 will get eliminated)

The box which contains apple is kept below Box T but not immediately below. Box B contains apple.

The box which contains pear is kept above the box which contains litchi.

Box C is kept immediately above Box Q.

Neither box R nor box Q contains Pear.

Box R is kept above Box P but below Box S.

	Box	Fruit
10	C	Orange
9	Q	
8	S	Pear
7	A	
6	R	Kiwi
5	E	
4	T	Litchi
3	P	
2	B	Apple
1	D	

22. Ans. D.

The box which contains orange is kept at either 8th or 10th position in the stack.

Two boxes are kept between the box which contains orange and Box A.

Number of boxes which contain fruits is same below and above the box which contains kiwi.

Case 1

	Box	Fruit
10		Orange
9		
8		
7	A	
6		Kiwi
5		
4		
3		
2		
1		

Case 2

	Box	Fruit
10		
9		
8		Orange
7		
6		Kiwi
5	A	
4		
3		
2		
1		

Number of boxes kept between box A and Box T is same as the number of boxes kept between box T and Box D.

Box A is above Box T but not immediately above.

The box which contains orange is not kept immediately above Box E.

Case 1 (A)

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	Box	Fruit
10		Orange
9		
8		
7	A	
6		Kiwi
5	T	
4		
3	D	
2		
1		

Case 1 (B)

	Box	Fruit
10		Orange
9		
8		
7	A	
6		Kiwi
5		
4	T	
3		
2		
1	D	

Case 2

	Box	Fruit
10		
9		
8		Orange
7		
6		Kiwi
5	A	
4		
3	T	
2		
1	D	

Only three boxes are kept between box E and Box D where Box E is kept above box D.

(Hence, Case 1(A) and Case2 will get eliminated)

The box which contains apple is kept below Box T but not immediately below. Box B contains apple.

The box which contains pear is kept above the box which contains litchi.

Box C is kept immediately above Box Q.

Neither box R nor box Q contains Pear.

Box R is kept above Box P but below Box S.

	Box	Fruit
10	C	Orange
9	Q	
8	S	Pear
7	A	
6	R	Kiwi
5	E	
4	T	Litchi
3	P	
2	B	Apple
1	D	

23. Ans. E.

As we can see that if we use any two there are so possibilities so we take all of them.

From I, II and III,

8	E
7	D
6	G
5	B
4	H
3	A
2	F
1	C

So C lives on 1st floor.

So all of them are necessary.

Hence, option E.

24. Ans. C.

C is standing in the middle of row-3

Detail Explanation:

As given that I, D and G are in three different rows. And the one who speaks Gujarati is in immediate left of the one who speaks Marathi. This raises two cases for row-1

Case-1 The one who speaks Marathi is in extreme right end.

_____, _____ Gujarati _____,
 _____ Marathi _____

Case-2 The one who speaks Marathi is in the middle of the Row.

_____ Gujarati _____,
 _____ Marathi _____,

Since H is standing in Row- at the right end and speaks a foreign language (i.e. English). Thus it eliminates the Case-1.

Case 2 is the only valid case.

ROW 1- _____ Gujrati _____,
 _____ Marathi _____, _____ (H)
 English _____.

Since in statement 9 it is mention that B is the only one who speaks Gujarati and is diagonally opposite to A. This can be valid only when A is at the right end of the Row-2. Thus A is the right end in the row-2...

Row-1 _____ (B) Gujrati _____,
 _____ Marathi _____, _____ (H)
 English _____.

Row-2 _____,
 _____ (A) _____.

The one who speaks Tamil in a row -2 is diagonally opposite to the one who speaks Telugu and Hindi in Row-3.

This raises 2 cases

Case-1

Row-1 _____ (B) Gujrati _____,
 _____ Marathi _____, _____ (H) English _____.

Row-2 _____,
 _____ Tamil _____, _____ (A) _____.

Row-3 _____ Telgu _____,
 _____ Hindi _____

Case-2

Row-1 _____ (B) Gujrati _____,
 _____ Marathi _____, _____ (H) English _____.

Row-2 _____,
 _____ Tamil _____, _____ (A) _____.

Row-3 _____ Hindi _____,
 _____ Telgu _____

According to statement 8 Case -2 is valid and Case-1 is invalid.

Thus

Row-1 _____ (B) Gujrati _____,
 _____ Marathi _____, _____ (H) English _____.

Row-2 _____ Telgu _____,
 _____ Tamil _____, _____ (A) _____.

Row-3 _____ Hindi _____,
 _____ Telgu _____

Since there are 3 students who speak English and they are standing in different rows. Thus it implies A speaks English and the one who is in the center of Row-3 also speaks English.

Row-1 _____ (B) Gujrati _____,
 _____ Marathi _____, _____ (H) English _____.

Row-2 _____ Telgu _____,
 _____ Tamil _____, _____ English (A) _____.

Row-3 _____ Hindi _____,
 _____ English _____, _____ Telgu _____
 G speaks the language that is not spoken by any other student it implies he speaks Marathi.

I is in Row-2 and D is in Row-3 and speaks English. Thus, again two cases rise Either D speaks Hindi or Telugu. It is also stated That F is the right end of Row -3 Thus it is known that F speaks Telugu and he finds no difficulty while speaking to E, Implies both speak the same language. I am in row-2 and he speaks Tamil.

While the only left student is C who is the middle of the Row-3 and speaks English.

Final Arrangement -

Row-1	B (Gujarati)	G (Marathi)	H (English)
Row-2	E (Telugu)	I (Tamil)	A (English)
Row-3	D (Hindi)	C (English)	F (Telugu)

25. Ans. C.

A is the one in Row-2 who speaks English and his to his immediate right there is no one. While I is standing to his immediately Left. Thus I is the only immediate neighbor of A (who speaks English)

Detail Explanation:

As given that I, D and G are in three different rows. And the one who speaks Gujarati is in immediate left of the one who speaks Marathi. This raises two cases for row-1

Case-1 The one who speaks Marathi is in extreme right end.

_____, _____ Gujrati _____,
 _____ Marathi _____

Case-2 The one who speaks Marathi is in the middle of the Row.

_____, _____ Gujrati _____,
 _____ Marathi _____,

Since H is standing in Row- at the right end and speaks a foreign language (i.e. English). Thus it eliminates the Case-1.

Case 2 is the only valid case.

ROW 1- _____ Gujrati _____,
 _____ Marathi _____, _____ (H)
 English _____.

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Since in statement 9 it is mention that B is the only one who speaks Gujarati and is diagonally opposite to A. This can be valid only when A is at the right end of the Row-2. Thus A is the right end in the row-2...

Row-1 _____(B) Gujarati____,
_____Marathi_____, _____(H) English_____.

Row-2 _____, _____
_____(A)_____.

The one who speaks Tamil in a row -2 is diagonally opposite to the one who speaks Telugu and Hindi in Row-3.

This raises 2 cases

Case-1

Row-1 _____(B) Gujarati____,
_____Marathi_____, _____(H) English_____.

Row-2 _____,
_____Tamil_____, _____(A)_____.

Row-3 _____Telgu_____, _____,
_____Hindi_____.

Case-2

Row-1 _____(B) Gujarati____,
_____Marathi_____, _____(H) English_____.

Row-2 _____,
_____Tamil_____, _____(A)_____.

Row-3 _____Hindi_____, _____,
_____Telgu_____.

According to statement 8 Case -2 is valid and Case-1 is invalid.

Thus

Row-1 _____(B) Gujarati____,
_____Marathi_____, _____(H) English_____.

Row-2 _____Telgu_____,
_____Tamil_____, _____(A)_____.

Row-3 _____Hindi_____, _____,
_____Telgu_____.

Since there are 3 students who speak English and they are standing in different rows. Thus it implies A speaks English and the one who is in the center of Row-3 also speaks English.

Row-1 _____(B) Gujarati____,
_____Marathi_____, _____(H) English_____.

Row-2 _____Telgu_____,
_____Tamil_____, _____English (A)_____.

Row-3 _____Hindi_____, _____,
_____English_____, _____Telgu_____.

G speaks the language that is not spoken by any other student it implies he speaks Marathi.

I is in Row-2 and D is in Row-3 and speaks English. Thus, again two cases rise Either D speaks Hindi or Telugu. It is also stated That F is the right end of Row -3 Thus it is known that F speaks Telugu and he finds no difficulty while speaking to E, Implies both speak the same language. I am in row-2 and he speaks Tamil.

While the only left student is C who is the middle of the Row-3 and speaks English.

Final Arrangement -

Row-1	B (Gujarati)	G (Marathi)	H (English)
Row-2	E (Telugu)	I (Tamil)	A (English)
Row-3	D (Hindi)	C (English)	F (Telugu)

26. Ans. B.

C is the one is standing in Row-3, not in Row-2. Hence Option (b) C is the correct answer.

Detail Explanation:

As given that I, D and G are in three different rows. And the one who speaks Gujarati is in immediate left of the one who speaks Marathi. This raises two cases for row-1

Case-1 The one who speaks Marathi is in extreme right end.

_____, _____Gujrati_____,
_____Marathi_____.

Case-2 The one who speaks Marathi is in the middle of the Row.

_____Gujrati_____,
_____Marathi_____,
_____.

Since H is standing in Row- at the right end and speaks a foreign language (i.e. English). Thus it eliminates the Case-1.

Case 2 is the only valid case.

ROW 1- _____Gujrati_____,
_____Marathi_____, _____(H) English_____.

Since in statement 9 it is mention that B is the only one who speaks Gujarati and is diagonally opposite to A. This can be valid only when A is at the right end of

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the Row-2. Thus A is the right end in the row-2...

Row-1 _____ (B) Gujrati____,
_____Marathi_____, _____ (H) English_____.

Row-2 _____, _____
, _____ (A) _____.

The one who speaks Tamil in a row -2 is diagonally opposite to the one who speaks Telugu and Hindi in Row-3.

This raises 2 cases

Case-1

Row-1 _____ (B) Gujrati____,
_____Marathi_____, _____ (H) English_____.

Row-2 _____,
_____Tamil_____, _____ (A) _____.

Row-3 _____Telgu_____, _____,
_____Hindi_____.

Case-2

Row-1 _____ (B) Gujrati____,
_____Marathi_____, _____ (H) English_____.

Row-2 _____,
_____Tamil_____, _____ (A) _____.

Row-3 _____Hindi _____, _____,
_____Telgu _____.

According to statement 8 Case -2 is valid and Case-1 is invalid.

Thus

Row-1 _____ (B) Gujrati____,
_____Marathi_____, _____ (H) English_____.

Row-2 _____Telgu_____,
_____Tamil_____, _____ (A) _____.

Row-3 _____Hindi _____, _____,
_____Telgu _____.

Since there are 3 students who speak English and they are standing in different rows. Thus it implies A speaks English and the one who is in the center of Row-3 also speaks English.

Row-1 _____ (B) Gujrati____,
_____Marathi_____, _____ (H) English_____.

Row-2 _____Telgu_____,
_____Tamil_____, _____English (A) _____.

Row-3 _____Hindi _____,
_____English_____, _____Telgu _____.

G speaks the language that is not spoken by any other student it implies he speaks Marathi.

I is in Row-2 and D is in Row-3 and speaks English. Thus, again two cases

rise Either D speaks Hindi or Telugu. It is also stated That F is the right end of Row -3 Thus it is known that F speaks Telugu and he finds no difficulty while speaking to E, Implies both speak the same language. I am in row-2 and he speaks Tamil.

While the only left student is C who is the middle of the Row-3 and speaks English.

Final Arrangement -

Row-1	B (Gujarati)	G (Marathi)	H (English)
Row-2	E (Telugu)	I (Tamil)	A (English)
Row-3	D (Hindi)	C (English)	F (Telugu)

27. Ans. C.

H, A, and C are the one who speaks English. While D is the one who speaks Hindi. Thus D is the correct option who does not speak English.

Detail Explanation:

As given that I, D and G are in three different rows. And the one who speaks Gujarati is in immediate left of the one who speaks Marathi. This raises two cases for row-1

Case-1 The one who speaks Marathi is in extreme right end.

_____, _____ Gujrati_____,
_____Marathi_____.

Case-2 The one who speaks Marathi is in the middle of the Row.

_____Gujrati_____,
_____Marathi_____,
_____.

Since H is standing in Row- at the right end and speaks a foreign language (i.e. English). Thus it eliminates the Case-1.

Case 2 is the only valid case.

ROW 1- _____Gujrati_____,
_____Marathi_____, _____ (H) English_____.

Since in statement 9 it is mention that B is the only one who speaks Gujarati and is diagonally opposite to A. This can be valid only when A is at the right end of the Row-2. Thus A is the right end in the row-2...

Row-1 _____ (B) Gujrati____,
_____Marathi_____, _____ (H) English_____.

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Row-2 _____, _____
, _____ (A) _____.

The one who speaks Tamil in a row -2 is diagonally opposite to the one who speaks Telugu and Hindi in Row-3.

This raises 2 cases

Case-1

Row-1 _____ (B) Gujrati____,
____Marathi____, _____ (H) English____.

Row-2 _____
____Tamil_____, _____ (A)
_____.

Row-3 _____Telgu____, _____,
____Hindi_____

Case-2

Row-1 _____ (B) Gujrati____,
____Marathi____, _____ (H) English____.

Row-2 _____
____Tamil_____, _____ (A)
_____.

Row-3 _____Hindi _____,
____Telgu _____

According to statement 8 Case -2 is valid and Case-1 is invalid.

Thus

Row-1 _____ (B) Gujrati____,
____Marathi____, _____ (H) English____.

Row-2 _____Telgu_____,
____Tamil_____, _____ (A)
_____.

Row-3 _____Hindi _____,
____Telgu _____

Since there are 3 students who speak English and they are standing in different rows. Thus it implies A speaks English and the one who is in the center of Row-3 also speaks English.

Row-1 _____ (B) Gujrati____,
____Marathi____, _____ (H) English____.

Row-2 _____Telgu_____,
____Tamil_____, _____English (A) _____.

Row-3 _____Hindi _____,
____English_____, _____Telgu _____

G speaks the language that is not spoken by any other student it implies he speaks Marathi.

I is in Row-2 and D is in Row-3 and speaks English. Thus, again two cases rise Either D speaks Hindi or Telugu. It is also stated That F is the right end of Row -3 Thus it is known that F speaks Telugu and he finds no difficulty while speaking to E, Implies both speak the same

language. I am in row-2 and he speaks Tamil.

While the only left student is C who is the middle of the Row-3 and speaks English.

Final Arrangement -

Row-1	B (Gujarati)	G (Marathi)	H (English)
Row-2	E (Telugu)	I (Tamil)	A (English)
Row-3	D (Hindi)	C (English)	F (Telugu)

28. Ans. E.

The correct answer is option E, i.e. All of the above, i.e. all of the above are not an appropriate set of conclusions that can be derived from the information provided.

The given question asks which of the following is **not** an apt conclusion on the basis of the information provided thus we must look for any such information that cannot be derived from the passage stated.

Option A is not based on the passage as the role of 'local tribal assistants' is not mentioned in the given context.

Option B talks about a possibility (because of the word 'may') and is thus not a conclusion. Moreover, it poses a particular case of hornbills adapting to the environment if their requirements are fulfilled, which is not explicitly evident from the information provided.

Option C discusses the idea of hornbills using same nest over the years which is contradicting to the idea of adapting to a changed environment.

As all options A, B and C are irrelevant and are not based on the information provided thus, the most correct answer choice is option E.

29. Ans. D.

The correct answer is option D, i.e. Along with other threats such as hunting, modified land use, ensuing forest fragmentation, felling of large trees with the potential for nesting, the loss of fruit bearing trees could also affect hornbill nesting habits.

A course of action is something that needs to be done considering the present scenario in mind.

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Option A is not a course of action and is a general statement about Hornbills. Thus, it is rejected.

Option B is in past tense ('highlighted') thus it is rejected.

Option C is an incomplete action, if considered because it does not answer to the question 'In addition to what?' and is also eliminated.

Both options D and E look appropriate course of actions. Between options D and E, option D is more appropriate. Option E talks about the idea of the 'same nest' and thus contradicts the idea that hornbills are adaptive to change. Thus, option E can also be rejected and as a result between options D and E, option D is relevant.

Thus, the most correct answer choice is option D and rest of the options can be rejected.

30. Ans. C.

The correct answer is **option 3**, i.e. **Mid-tier companies are sharpening their overall strategy, by increasing focus on certain markets and businesses than spread thin.**

'Inference' is a conclusion reached on the basis of evidence and reasoning.

We first make sure to read the statement carefully and then see what immediate inferences can be drawn based on our first reading. The next step is to look at the statements given in the options, analyze them and see if they seem relevant with respect to the information/data provided to us.

From the statement, we can infer that mid-tier IT companies are growing in terms of revenue with the advent of technology projects. Though, they are expected to outcast giants like Infosys and Wipro, the pressure on their margins is likely to increase.

(1) can be rejected as the 'indicators' mentioned in the beginning of the sentence are not mentioned anywhere in the given context. Also no information is evident regarding new logos.

(2) can also be rejected as no information is evident on the basis of the given context regarding expansion across geographies, verticals and service lines.

(4) can be eliminated as it just a rephrase of the information already provided in the given statement.

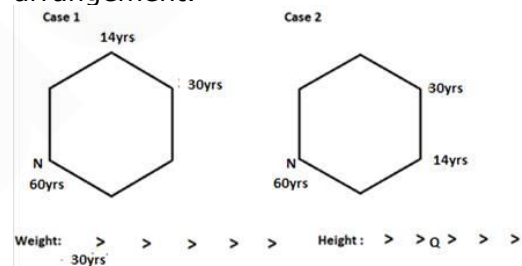
From the given assumptions (3) is the most appropriate deduction that can be made.

(3) can be logically inferred on the basis of the fact that these companies are improving their strategy (which has impacted their revenue growth) by targeting certain markets and businesses (new technology projects).

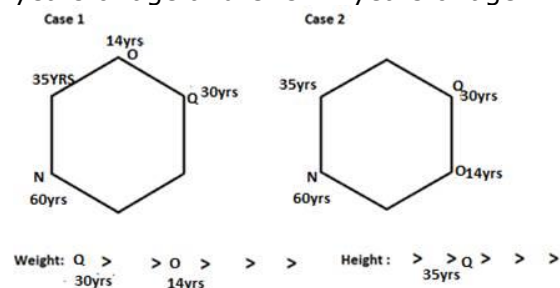
As all the other options except (3) are irrelevant with respect to the data provided in the statement. Thus, the correct answer is option 3.

31. Ans. B.

The one who is heaviest among all sits third to the right of N, who is 60 years of age. The one who is 30yrs is the heaviest among all. Only one person sits between N and the one who is second heaviest among all, who is 14 years of age. Q is shorter than only two person. So, there will two possible case of sitting arrangement.



The one who is 35 years of age is second tallest, who sits second to the right of Q, who is not the immediate neighbour of N. O who is half the age of M. So M is 28 years of age and O is 14 years of age.

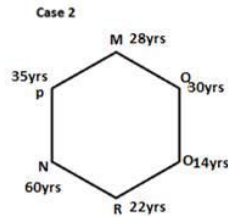


The one who sits opposite to R is the second heaviest among all. R sits second to the right P. **So, case 1 will be eliminated.** Continuing with remaining step, the one who is older than P is the

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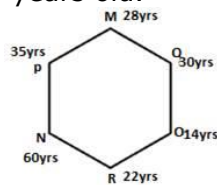
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taller than Q. The one who is twice the age of Q is third lightest among all. So, Q is 30 years of age.



Weight: Q > M > O > N > P > R
 Height: N > P > Q > M > O > R

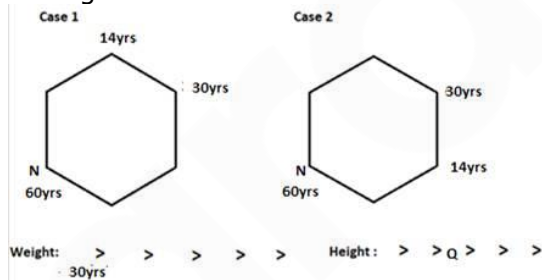
M sits third to the right of the one who shortest in height among all. That means R is shortest of them all. M is taller than the one who is 14 years old.



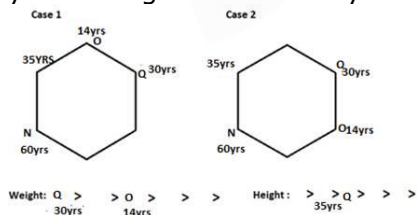
Weight: Q > M > O > N > R > P
 Height: N > P > Q > M > O > R

32. Ans. C.

The one who is heaviest among all sits third to the right of N, who is 60 years of age. The one who is 30yrs is the heaviest among all. Only one person sits between N and the one who is second heaviest among all, who is 14 years of age. Q is shorter than only two person. So, there will two possible case of sitting arrangement.

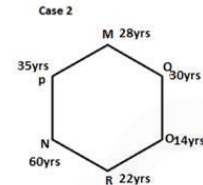


The one who is 35 years of age is second tallest, who sits second to the right of Q, who is not the immediate neighbour of N. O who is half the age of M. So M is 28 years of age and O is 14 years of age.



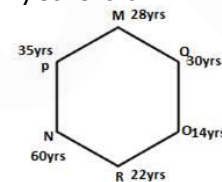
Weight: Q > M > O > N > R > P
 Height: N > P > Q > M > O > R

The one who sits opposite to R is the second heaviest among all. R sits second to the right P. **So, case 1 will be eliminated.** Continuing with remaining step, the one who is older than P is the taller than Q. The one who is twice the age of Q is third lightest among all. So, Q is 30 years of age.



Weight: Q > M > O > N > P > R
 Height: N > P > Q > M > O > R

M sits third to the right of the one who shortest in height among all. That means R is shortest of them all. M is taller than the one who is 14 years old.

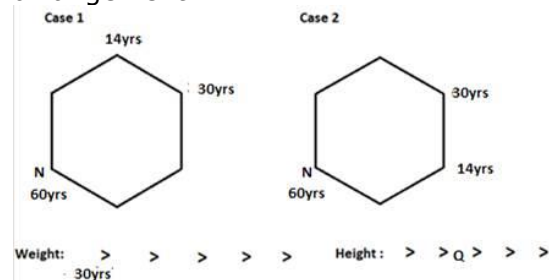


Weight: Q > M > O > N > R > P
 Height: N > P > Q > M > O > R

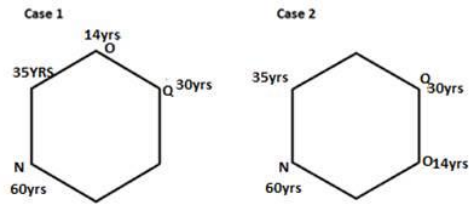
33. Ans. E.

All persons age are even number except option E person.

The one who is heaviest among all sits third to the right of N, who is 60 years of age. The one who is 30yrs is the heaviest among all. Only one person sits between N and the one who is second heaviest among all, who is 14 years of age. Q is shorter than only two person. So, there will two possible case of sitting arrangement.

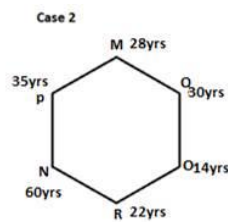


The one who is 35 years of age is second tallest, who sits second to the right of Q, who is not the immediate neighbour of N. O who is half the age of M. So M is 28 years of age and O is 14 years of age.



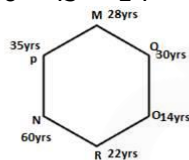
Weight: Q > O > N > 35YRS > 30yrs > 14yrs > 60yrs
 Height: N > 35yrs > Q > O > 60yrs > 14yrs

The one who sits opposite to R is the second heaviest among all. R sits second to the right P. **So, case 1 will be eliminated.** Continuing with remaining step, the one who is older than P is the taller than Q. The one who is twice the age of Q is third lightest among all. So, Q is 30 years of age.



Weight: Q > M > O > N > P > 30yrs > 28yrs > 14yrs > 60yrs
 Height: N > P > Q > M > O > R > 60yrs > 35yrs > 30yrs > 28yrs > 22yrs > 14yrs

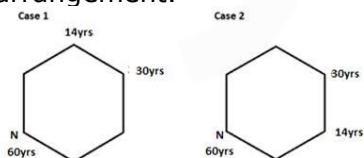
M sits third to the right of the one who shortest in height among all. That means R is shortest of them all. M is taller than the one who is 14 years old.



Weight: Q > M > O > N > R > P > 30yrs > 28yrs > 14yrs > 60yrs
 Height: N > P > Q > M > O > R > 60yrs > 35yrs > 30yrs > 28yrs > 22yrs > 14yrs

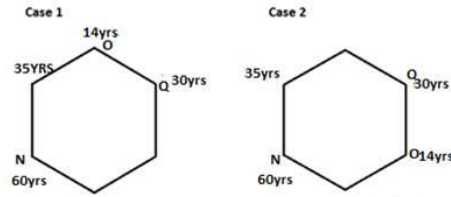
34. Ans. B.

The one who is heaviest among all sits third to the right of N, who is 60 years of age. The one who is 30yrs is the heaviest among all. Only one person sits between N and the one who is second heaviest among all, who is 14 years of age. Q is shorter than only two person. So, there will two possible case of sitting arrangement.



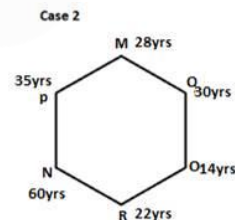
Weight: 30yrs > 14yrs > 60yrs > 30yrs > 30yrs
 Height: 30yrs > 14yrs > 60yrs > 30yrs

The one who is 35 years of age is second tallest, who sits second to the right of Q, who is not the immediate neighbour of N. O who is half the age of M. So M is 28 years of age and O is 14 years of age.



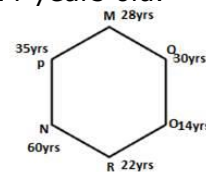
Weight: Q > O > N > 35YRS > 30yrs > 14yrs > 60yrs
 Height: N > 35yrs > Q > O > 60yrs > 14yrs

The one who sits opposite to R is the second heaviest among all. R sits second to the right P. **So, case 1 will be eliminated.** Continuing with remaining step, the one who is older than P is the taller than Q. The one who is twice the age of Q is third lightest among all. So, Q is 30 years of age.



Weight: Q > M > O > N > P > 30yrs > 28yrs > 14yrs > 60yrs
 Height: N > P > Q > M > O > R > 60yrs > 35yrs > 30yrs > 28yrs > 22yrs > 14yrs

M sits third to the right of the one who shortest in height among all. That means R is shortest of them all. M is taller than the one who is 14 years old.



Weight: Q > M > O > N > R > P > 30yrs > 28yrs > 14yrs > 60yrs
 Height: N > P > Q > M > O > R > 60yrs > 35yrs > 30yrs > 28yrs > 22yrs > 14yrs

35. Ans. C.

From statement I:

O got more salary than only two persons. N > M but N did not get the highest salary. Q got highest salary than only R. P > N > M > O > Q > R

From statement II:

M got less salary than only two persons. Q > R, O > Q. M > O. P > N
 P > N > M > O > Q > R

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Hence, the data in statement I or in statement II alone is sufficient to answer the question.

36. Ans. C.

From this information their positions are in decreasing order-

A(400)>B>C>D>E>F(60)

It is given D, E and F have average marks = 95

So total marks=95 x 3= 285

F got 60 marks so-

D+E=285-60= 225 marks

37. Ans. D.

As the total time is 11 hours on adding all given times we will get bike serviced for 1 and half hour and Truck for 2 and half hours.

Jeep has to be serviced after Van and as per the given condition the first vehicle will be Bus followed by Bike,Truck, Van and Jeep and accordingly the following time is obtained

Vehicles	Servicing Time
Bus	07:00 am - 8 :30 am
Bike	08:30 am - 10:00 am
Truck	10:00 am - 12:30 pm
Van	12:30 pm - 03:00 pm
Jeep	03:00 pm - 06:00 pm

38. Ans. B.

As the total time is 11 hours on adding all given times we will get bike serviced for 1 and half hour and Truck for 2 and half hours.

Jeep has to be serviced after Van and as per the given condition the first vehicle will be Bus followed by Bike,Truck, Van and Jeep and accordingly the following time is obtained

Vehicles	Servicing Time
Bus	07:00 am - 8 :30 am
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Truck	10:00 am - 12:30 pm
Van	12:30 pm - 03:00 pm
Jeep	03:00 pm - 06:00 pm

39. Ans. D.

As the total time is 11 hours on adding all given times we will get bike serviced for 1 and half hour and Truck for 2 and half hours.

Jeep has to be serviced after Van and as per the given condition the first vehicle will be Bus followed by Bike,Truck, Van and Jeep and accordingly the following time is obtained

Vehicles	Servicing Time
Bus	07:00 am - 8 :30 am
Bike	08:30 am - 10:00 am
Truck	10:00 am - 12:30 pm
Van	12:30 pm - 03:00 pm
Jeep	03:00 pm - 06:00 pm

40. Ans. C.

The correct answer is **option 3**, i.e. **Only III is strong**.

We first make sure to read the statement carefully and then see what immediate inferences can be drawn based on our first reading. The next step is to look at the arguments given in the options, analyze them and see if they seem relevant with respect to the information/data provided to us. Finally, it is very important to study the question closely.

The above statement deals with the fact that India has opted out from the deal with Russia and the latter has been conveyed that it can go ahead with the project and India may join it at a later stage.

Argument (I) can be rejected on first reading as it deals with the details of the deal and does not answers the question asked.

Argument (II) can also be rejected as it hints at the idea of the problems between the two nations. It might look as an appropriate answer choice but does not provides a suitable reason as to why India may be interested in the project in later stages (as mentioned in the statement).

Argument (III) generalizes the approach of India that it is adopting a layered approach and might be interested in the project later on. It captures the essence

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of the given statement and thus, answers the question in the complete manner.

Thus, option 3 captures the correct arguments that support the statement in the best possible manner and is our answer choice. Hence, rest of the options can be rejected.

41. Ans. A.

The correct answer is **option 1**, i.e. **In addition to rising delinquencies over the last few years would force lenders to be more cautious while underwriting loans. This would limit refinancing options, adversely affecting existing borrowers.**

Option 1 is the most appropriate inference that can be made based on the information provided. It captures all the important points like 'rising delinquencies', 'effect of limit on the refinancing options thereby, affecting the customers' are evident both from the given statement and the option choice.

Rest of the arguments can be rejected. Option (2) is very unpredictable and it cannot be said with surety about the loss limitation. Both options (3) and (4) can also be rejected as no idea of ABS (asset backed securities) is evident from the information provided in the given statement.

Thus, the most appropriate answer is option 1.

42. Ans. A.

The correct answer is option A, i.e. Only conclusion I follows.

In this type of question, conclusion is not specifically mentioned. It needs to be deduced from the given statements.

From both the statements, we infer that the world's largest bee which is roughly the size of a human thumb has been rediscovered in a remote part of Indonesia. And despite of its conspicuous size, no one had observed Wallace's giant bee which was discovered in the 19th century by British naturalist Alfred Russel Wallace.

Conclusion 1 is evident from the information stated in the second statement which states that 'despite of its (bee's) conspicuous size, no one

had observed Wallace's giant bee'. Thus, it can be concluded that previous expeditions failed to spot it.

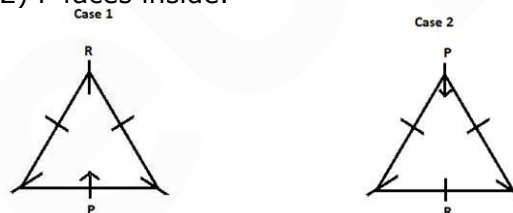
Conclusion 2 is irrelevant as the idea of forests being cut down for agriculture in Indonesia is not supported by the information stated in the given context.

Conclusion 3 is also rejected as the specific location where the bee can be traced, and its large fang-like mandibles is not mentioned in both the statements. As only conclusion I follows the direction of the given statements thus, the most correct answer choice is option A and rest of the options can be rejected.

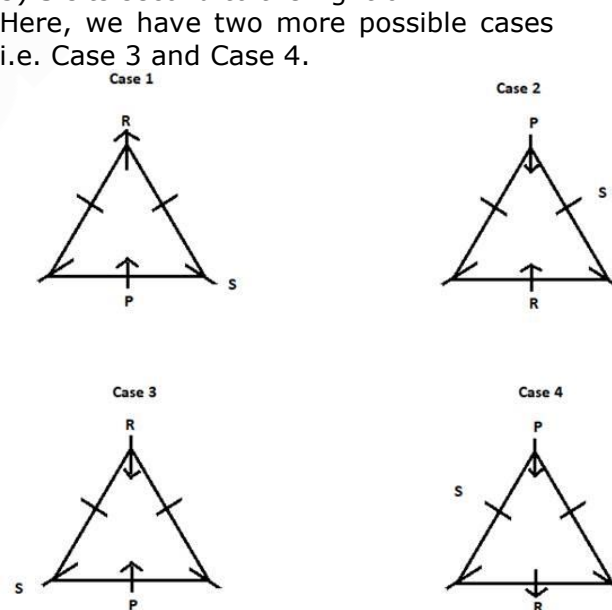
43. Ans. E.

1) Two persons sit between R and P. Here, we have two possible cases i.e. Case 1 and Case 2.

2) P faces inside.



3) S sits second to the right of R. Here, we have two more possible cases i.e. Case 3 and Case 4.



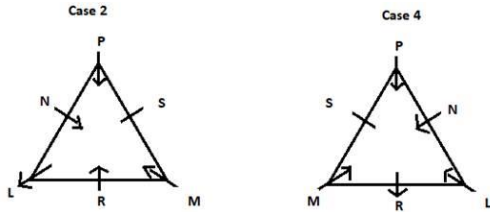
4) Only one person sits between N and S who does not sit at corner of the table. Here, our case 1 and 3 get eliminated and we further proceed with case 2 and 4.

5) L faces opposite direction to R.

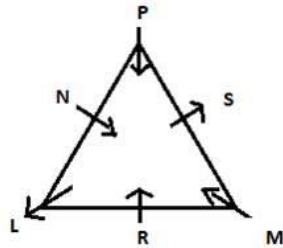
6) M sits 2nd to the left of L.

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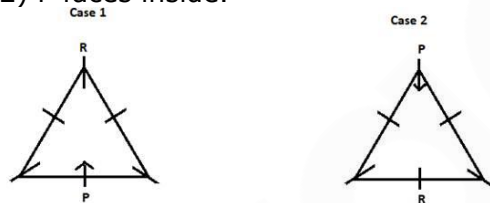
7) M and N faces same direction as P and not more than two persons sit adjacent to each other who are facing same direction. Here, Case 4 gets eliminated. So, S faces outside and our final arrangement will be:



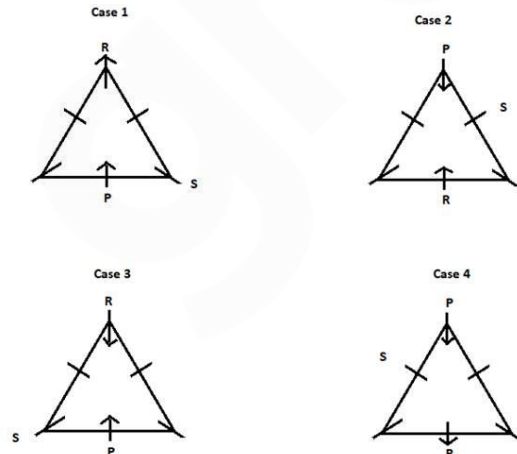
Clearly, L does not belong to that group because except L all are facing inside the table.

44. Ans. C.

- 1) Two persons sit between R and P. Here, we have two possible cases i.e. Case 1 and Case 2.
- 2) P faces inside.

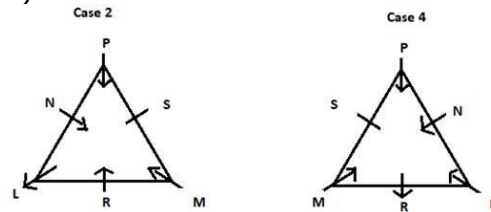


3) S sits second to the right of R. Here, we have two more possible cases i.e. Case 3 and Case 4.

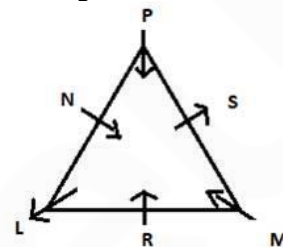


4) Only one person sits between N and S who does not sit at corner of the table.

Here, our case 1 and 3 get eliminated and we further proceed with case 2 and 4.
 5) L faces opposite direction to R.
 6) M sits 2nd to the left of L.



7) M and N faces same direction as P and not more than two persons sit adjacent to each other who are facing same direction. Here, Case 4 gets eliminated. So, S faces outside and our final arrangement will be:



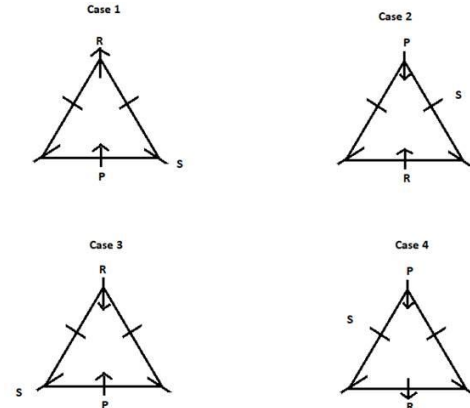
Clearly, P sits second to the right of the one who sits third to the left of N.

45. Ans. A.

- 1) Two persons sit between R and P. Here, we have two possible cases i.e. Case 1 and Case 2.
- 2) P faces inside.



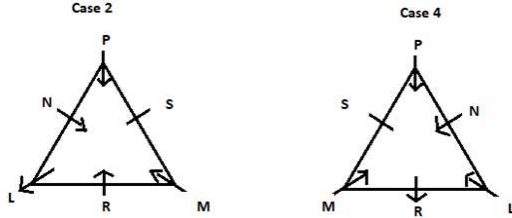
3) S sits second to the right of R. Here, we have two more possible cases i.e. Case 3 and Case 4.



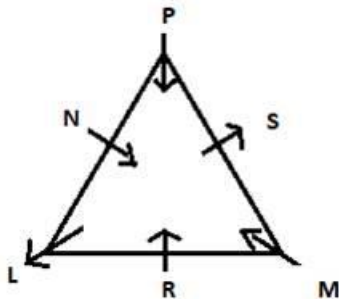
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- 4) Only one person sits between N and S who does not sit at corner of the table. Here, our case 1 and 3 get eliminated and we further proceed with case 2 and 4.
- 5) L faces opposite direction to R.
- 6) M sits 2nd to the left of L.



- 7) M and N faces same direction as P and not more than two persons sit adjacent to each other who are facing same direction. Here, Case 4 gets eliminated. So, S faces outside and our final arrangement will be:



Clearly, three persons sit between S and N when counted from the right of N.

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