

RBI Assistant Mains 2017 Reasoning Practice Paper (English)

Q.1 Which of the following is true with respect to the given seating arrangement?

Study the following information carefully and answer the given questions:

Priya, Pankaj, Pooja, Puneet, Pallavi, Pranav, Paresh and Prerna are sitting around a square table such that four of them sit at four corners of the square while four sit in the middle of each of the four sides. Those who sit at the four corners face the centre while those who sit in the middle of the sides face outside. Two females sit in the middle of the sides and two at the corners. Priya sits second to the left of Paresh. Paresh sits in the middle of one of the sides. Pankaj sits fourth to the right of his wife and his wife is not an immediate neighbour of Priya or Paresh. Pooja sits third to the right of her husband. Pooja does not sit at any of the corners. Only Puneet sits between Pooja and Prerna. Prerna is the husband of Priya. Pallavi is a male.

- A. No two females are immediate neighbours of each other.
- B. Paresh and Prerna are immediate neighbours of each other.
- C. Pallavi and Puneet are immediate neighbours of each other.
- D. Pranav is a female and sits diagonally opposite to Pallavi.
- E. Priya sits at the centre of one of the sides of the square table.

Answer: E

Sol: Priya sits in the middle of one of the sides (facing outside), confirmed by the arrangement below.

Q.2 Who amongst the following is Pooja's husband?

Study the following information carefully and answer the given questions:

Priya, Pankaj, Pooja, Puneet, Pallavi, Pranav, Paresh and Prerna are sitting around a square table such that four of them sit at four corners of the square while four sit in the middle of each of the four sides. Those who sit at the four corners face the centre while those who sit in the middle of the sides face outside. Two females sit in the middle of the sides and two at the corners. Priya sits second to the left of Paresh. Paresh sits in the middle of one of the sides. Pankaj sits fourth to the right of his wife and his wife is not an immediate neighbour of Priya or Paresh. Pooja sits third to the right of her husband. Pooja does not sit at any of the corners. Only Puneet sits between Pooja and Prerna. Prerna is the husband of Priya. Pallavi is a male.

- A. Pankaj
- B. Paresh
- C. Pallavi
- D. Pranav
- E. Cannot be Determined

Answer: C

Sol: From the seating arrangement, Pooja sits third to the right of her husband. Pallavi (male) satisfies this condition.

Q.3 How many people sit between Pooja and Pankaj when counted in anti-clockwise direction from Pooja?

Study the following information carefully and answer the given questions:

Priya, Pankaj, Pooja, Puneet, Pallavi, Pranav, Paresh and Prerna are sitting around a square table such that four of them sit at four corners of the square while four sit in the middle of each of the four sides. Those who sit at the four corners face the centre while those who sit in the middle of the sides face outside. Two females sit in the middle of the sides and two at the corners. Priya sits second to the left of Paresh. Paresh sits in the middle of one of the sides. Pankaj sits fourth to the right of his wife and his wife is not an immediate neighbour of Priya or Paresh. Pooja sits third to the right of her husband. Pooja does not sit at any of the corners. Only Puneet sits between Pooja and Prerna. Prerna is the husband of Priya. Pallavi is a male.

- A. None

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

Answer: C

Sol: Counting anti-clockwise from Pooja, two persons sit between Pooja and Pankaj.

Q.4 Who amongst the following is the wife of Pankaj?

Study the following information carefully and answer the given questions:

Priya, Pankaj, Pooja, Puneet, Pallavi, Pranav, Paresh and Prerna are sitting around a square table such that four of them sit at four corners of the square while four sit in the middle of each of the four sides. Those who sit at the four corners face the centre while those who sit in the middle of the sides face outside. Two females sit in the middle of the sides and two at the corners. Priya sits second to the left of Paresh. Paresh sits in the middle of one of the sides. Pankaj sits fourth to the right of his wife and his wife is not an immediate neighbour of Priya or Paresh. Pooja sits third to the right of her husband. Pooja does not sit at any of the corners. Only Puneet sits between Pooja and Prerna. Prerna is the husband of Priya. Pallavi is a male.

- A. Puneet
- B. Pranav
- C. Pooja
- D. Priya
- E. Cannot be determined

Answer: A

Sol: Pankaj sits fourth to the right of his wife and his wife is not an immediate neighbour of Priya or Paresh. Puneet satisfies all conditions.

Q.5 What is the position of Pallavi with respect to Pankaj?

Study the following information carefully and answer the given questions:

Priya, Pankaj, Pooja, Puneet, Pallavi, Pranav, Paresh and Prerna are sitting around a square table such that four of them sit at four corners of the square while four sit in the middle of each of the four sides. Those who sit at the four corners face the centre while those who sit in the middle of the sides face outside. Two females sit in the middle of the sides and two at the corners. Priya sits second to the left of Paresh. Paresh sits in the middle of one of the sides. Pankaj sits fourth to the right of his wife and his wife is not an immediate neighbour of Priya or Paresh. Pooja sits third to the right of her husband. Pooja does not sit at any of the corners. Only Puneet sits between Pooja and Prerna. Prerna is the husband of Priya. Pallavi is a male.

- A. Immediately to the left
- B. Second to the right
- C. Third to the right
- D. Immediately to the right
- E. Second to the left

Answer: B

Sol: In the derived arrangement, Pallavi sits second to the right of Pankaj.

Q.6 In a code language, what does 'Ka' mean?

- I. In that code language 'Ka Ra Ta' means 'sing and dance' and 'Ra Sa Ka Na' means 'do not sing here'.
- II. In that code language 'Ma Ka Ji Pa' means 'she loves to dance' and 'Ba Wa Ka Zi' means 'we can dance now'.

In each of the questions given below two statements I and II are given. You have to determine whether the data given in the statements is sufficient to answer the question or not.

- A. if the data given in statement I alone is sufficient to answer the question whereas data given only in statement II is not sufficient to answer the question.
- B. if the data given only in statement II is sufficient to answer the question whereas data given only in statement I is not sufficient to answer the question.
- C. if the data given either only in statement I or only in statement II is sufficient to answer the question.
- D. if the combined data given in statement I and statement II are not sufficient to answer the question.
- E. if the combined data given in statement I and statement II are necessary to answer the question.

Answer: C

Sol: 'Ka' = dance. Either statement I or II is sufficient independently.

Q.7 What is the relation between Rekha and Suresh?

- I. Kavita is the niece of Suresh and the cousin of Rekha.
- II. Mohan, brother of Rekha, is the husband of Anita who is the mother of Suresh.

In each of the questions given below two statements I and II are given. You have to determine whether the data given in the statements is sufficient to answer the question or not.

- A. if the data given in statement I alone is sufficient to answer the question whereas data given only in statement II is not sufficient to answer the question.
- B. if the data given only in statement II is sufficient to answer the question whereas data given only in statement I is not sufficient to answer the question.
- C. if the data given either only in statement I or only in statement II is sufficient to answer the question.
- D. if the combined data given in statement I and statement II are not sufficient to answer the question.
- E. if the combined data given in statement I and statement II are necessary to answer the question.

Answer: D

Sol: From both statements combined, the relation between Rekha and Suresh cannot be determined definitively.

Q.8 In which of the following expressions does the expression 'M < R' NOT hold true?

- A. $R > T > S = M$
- B. $M = S < T < R$
- C. $R < T \leq S \leq M$
- D. $M < S = T > R$
- E. $M < S < T < R$

Answer: C

Sol: In option C: $R < T \leq S \leq M$ implies $R < M$, so $M < R$ does NOT hold.

Q.9 Which of the following expressions will be true if 'A ≥ B = C > D' is definitely true?

- A. $A \geq D$
- B. $D < B$
- C. $C \geq A$
- D. $D = A$
- E. None of These

Answer: B

Sol: From $A \geq B = C > D$, it follows that $D < B$ is definitely true.

Q.10 Who has a weekly off on Sunday?

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

Seven persons Neha, Nisha, Nikhil, Namrata, Naveen, Neeraj and Nandini have their weekly offs on different days of the week i.e. Sunday, Monday, Tuesday, Wednesday, Thursday, Friday and Saturday, not necessarily in that order. Each of them likes a different cuisine i.e. Indian, Italian, Mexican, Chinese, Spanish, Continental and Thai, not necessarily in that order. Nisha likes Thai food and her weekly off is on Wednesday. Namrata likes Italian food and does not have off on Sunday. Naveen has weekly off on Saturday and Neeraj has his weekly off on Monday. Nikhil likes Continental food whereas the one who has weekly off on Thursday likes Mexican cuisine. Neha does not like Spanish cuisine and has weekly off on Friday. The one who likes Indian food does not have a weekly off on Monday or Friday.

- A. Neha
- B. Neeraj
- C. Nikhil
- D. Data inadequate
- E. None of these

Answer: E

Person	Day Off	Cuisine
Neeraj	Monday	Mexican
Nisha	Wednesday	Thai
Neha	Friday	Chinese
Namrata	Tuesday	Italian
Naveen	Saturday	Indian
Nikhil	Sunday	Continental
Nandini	Thursday	Spanish

Q.11 What cuisine does Neeraj like?

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

Seven persons Neha, Nisha, Nikhil, Namrata, Naveen, Neeraj and Nandini have their weekly offs on different days of the week i.e. Sunday, Monday, Tuesday, Wednesday, Thursday, Friday and Saturday, not necessarily in that order. Each of them likes a different cuisine i.e. Indian, Italian, Mexican, Chinese, Spanish, Continental and Thai, not necessarily in that order. Nisha likes Thai food and her weekly off is on Wednesday. Namrata likes Italian food and does not have off on Sunday. Naveen has weekly off on Saturday and Neeraj has his weekly off on Monday. Nikhil likes Continental food whereas the one who has weekly off on Thursday likes Mexican cuisine. Neha does not like Spanish cuisine and has weekly off on Friday. The one who likes Indian food does not have a weekly off on Monday or Friday.

- A. Continental
- B. Indian
- C. Italian
- D. Mexican
- E. None of these

Answer: D

Sol: From the arrangement, Neeraj has Monday off and the person with Thursday off likes Mexican. Neeraj likes Mexican cuisine.

Q.12 On which day does Namrata have weekly off?

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

Seven persons Neha, Nisha, Nikhil, Namrata, Naveen, Neeraj and Nandini have their weekly offs on different days of

the week i.e. Sunday, Monday, Tuesday, Wednesday, Thursday, Friday and Saturday, not necessarily in that order. Each of them likes a different cuisine i.e. Indian, Italian, Mexican, Chinese, Spanish, Continental and Thai, not necessarily in that order. Nisha likes Thai food and her weekly off is on Wednesday. Namrata likes Italian food and does not have off on Sunday. Naveen has weekly off on Saturday and Neeraj has his weekly off on Monday. Nikhil likes Continental food whereas the one who has weekly off on Thursday likes Mexican cuisine. Neha does not like Spanish cuisine and has weekly off on Friday. The one who likes Indian food does not have a weekly off on Monday or Friday.

- A. Tuesday
- B. Friday
- C. Monday
- D. Sunday
- E. None of these

Answer: A

Sol: From the arrangement, Namrata has her weekly off on Tuesday.

Q.13 Who likes Chinese cuisine?

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

Seven persons Neha, Nisha, Nikhil, Namrata, Naveen, Neeraj and Nandini have their weekly offs on different days of the week i.e. Sunday, Monday, Tuesday, Wednesday, Thursday, Friday and Saturday, not necessarily in that order. Each of them likes a different cuisine i.e. Indian, Italian, Mexican, Chinese, Spanish, Continental and Thai, not necessarily in that order. Nisha likes Thai food and her weekly off is on Wednesday. Namrata likes Italian food and does not have off on Sunday. Naveen has weekly off on Saturday and Neeraj has his weekly off on Monday. Nikhil likes Continental food whereas the one who has weekly off on Thursday likes Mexican cuisine. Neha does not like Spanish cuisine and has weekly off on Friday. The one who likes Indian food does not have a weekly off on Monday or Friday.

- A. Nikhil
- B. Namrata
- C. Nandini
- D. Neha
- E. None of these

Answer: D

Sol: Neha has Friday off and does not like Spanish cuisine; by elimination, Neha likes Chinese.

Q.14 On which day does Nikhil have weekly off?

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

Seven persons Neha, Nisha, Nikhil, Namrata, Naveen, Neeraj and Nandini have their weekly offs on different days of the week i.e. Sunday, Monday, Tuesday, Wednesday, Thursday, Friday and Saturday, not necessarily in that order. Each of them likes a different cuisine i.e. Indian, Italian, Mexican, Chinese, Spanish, Continental and Thai, not necessarily in that order. Nisha likes Thai food and her weekly off is on Wednesday. Namrata likes Italian food and does not have off on Sunday. Naveen has weekly off on Saturday and Neeraj has his weekly off on Monday. Nikhil likes Continental food whereas the one who has weekly off on Thursday likes Mexican cuisine. Neha does not like Spanish cuisine and has weekly off on Friday. The one who likes Indian food does not have a weekly off on Monday or Friday.

- A. Monday
- B. Sunday
- C. Wednesday
- D. Data inadequate
- E. None of these

Answer: B

Sol: From the arrangement, Nikhil has his weekly off on Sunday.

Q.15 What is the position of 'F' with respect to the one whose joining month is February?

Study the following information carefully to answer the given questions:

Eight persons A, B, C, D, E, F, G and H are sitting in a straight line facing north. Each of them has cleared a competitive exam and is scheduled to join the office in different months viz. January, February, March, April, May, June, July and August, not necessarily in the same order.

B sits third to the right of the person whose joining month is February. Neither A nor D has joining month in February. B's joining month is not August. F sits third to the right of the person who joins in June. The person who joins in March sits second to the right of F. A and D are immediate neighbours of each other. Neither A nor D is an immediate neighbour of F. Only one person sits between D and C. E joins two months before August. D joins after May. Only two people sit between D and the person whose joining month is August. The person whose joining month is April sits to the immediate left of G. F joins after A.

- A. Second to the right
- B. Immediate right
- C. Second to the left
- D. Third to the right
- E. None of these

Answer: A

Sol: From the derived arrangement: A-D-E-B-C-F-G-H with months March-April-May-February-June-July-August-January. F is second to the right of B (February person).

Q.16 Who amongst the following sits exactly between D and C?

Study the following information carefully to answer the given questions:

Eight persons A, B, C, D, E, F, G and H are sitting in a straight line facing north. Each of them has cleared a competitive exam and is scheduled to join the office in different months viz. January, February, March, April, May, June, July and August, not necessarily in the same order.

B sits third to the right of the person whose joining month is February. Neither A nor D has joining month in February. B's joining month is not August. F sits third to the right of the person who joins in June. The person who joins in March sits second to the right of F. A and D are immediate neighbours of each other. Neither A nor D is an immediate neighbour of F. Only one person sits between D and C. E joins two months before August. D joins after May. Only two people sit between D and the person whose joining month is August. The person whose joining month is April sits to the immediate left of G. F joins after A.

- A. The person whose joining month is May
- B. The person whose joining month is February
- C. G
- D. A
- E. The person whose joining month is March

Answer: A

Sol: E (joining in May) sits exactly between D and C in the arrangement.

Q.17 Which of the following is true regarding G?

Study the following information carefully to answer the given questions:

Eight persons A, B, C, D, E, F, G and H are sitting in a straight line facing north. Each of them has cleared a competitive exam and is scheduled to join the office in different months viz. January, February, March, April, May, June, July and August, not necessarily in the same order.

B sits third to the right of the person whose joining month is February. Neither A nor D has joining month in February. B's joining month is not August. F sits third to the right of the person who joins in June. The person who joins in March

sits second to the right of F. A and D are immediate neighbours of each other. Neither A nor D is an immediate neighbour of F. Only one person sits between D and C. E joins two months before August. D joins after May. Only two people sit between D and the person whose joining month is August. The person whose joining month is April sits to the immediate left of G. F joins after A.

- A. Only two people sit to the left of G
- B. G is sitting third to the right of the person whose joining month is June
- C. D and C are immediate neighbours of G
- D. G's joining month is May
- E. None of these

Answer: B

Sol: G sits third to the right of F (joining in June), which is confirmed by the arrangement.

Q.18 Four of the following five are alike in a certain way and so form a group. Which does NOT belong to the group?

Study the following information carefully to answer the given questions:

Eight persons A, B, C, D, E, F, G and H are sitting in a straight line facing north. Each of them has cleared a competitive exam and is scheduled to join the office in different months viz. January, February, March, April, May, June, July and August, not necessarily in the same order.

B sits third to the right of the person whose joining month is February. Neither A nor D has joining month in February. B's joining month is not August. F sits third to the right of the person who joins in June. The person who joins in March sits second to the right of F. A and D are immediate neighbours of each other. Neither A nor D is an immediate neighbour of F. Only one person sits between D and C. E joins two months before August. D joins after May. Only two people sit between D and the person whose joining month is August. The person whose joining month is April sits to the immediate left of G. F joins after A.

- A. February
- B. March
- C. May
- D. June
- E. August

Answer: D

Sol: February, March, May and August are joining months of persons at corner/end-adjacent positions. June (F) does not share this property.

Q.19 Who sits at the ends of the row?

Study the following information carefully to answer the given questions:

Eight persons A, B, C, D, E, F, G and H are sitting in a straight line facing north. Each of them has cleared a competitive exam and is scheduled to join the office in different months viz. January, February, March, April, May, June, July and August, not necessarily in the same order.

B sits third to the right of the person whose joining month is February. Neither A nor D has joining month in February. B's joining month is not August. F sits third to the right of the person who joins in June. The person who joins in March sits second to the right of F. A and D are immediate neighbours of each other. Neither A nor D is an immediate neighbour of F. Only one person sits between D and C. E joins two months before August. D joins after May. Only two people sit between D and the person whose joining month is August. The person whose joining month is April sits to the immediate left of G. F joins after A.

- A. A and the one whose joining month is January
- B. The one whose joining month is April and B
- C. A and F
- D. The one whose joining month is March and August
- E. None of these

Answer: D

Sol: The persons with joining months March and August sit at the two ends of the row.

Q.20 How many steps will be required to complete the given input?

Study the given information and answer the following questions:

When a machine is given an input line of words and numbers it arranges them following a particular rule. The following is an illustration of input and rearrangement:

(All the numbers are two-digit numbers)

Input: 35 hero arrow 22 43 brave salt earth 56 78 84 five now 18

Step I: arrow 18 35 hero 22 43 brave salt earth 56 78 84 five now

Step II: brave 22 arrow 18 35 hero 43 salt earth 56 78 84 five now

Step III: earth 35 brave 22 arrow 18 hero 43 salt 56 78 84 five now

Step IV: five 43 earth 35 brave 22 arrow 18 hero salt 56 78 84 now

Step V: hero 56 five 43 earth 35 brave 22 arrow 18 salt 78 84 now

Step VI: now 78 hero 56 five 43 earth 35 brave 22 arrow 18 salt 84

Step VII: salt 84 now 78 hero 56 five 43 earth 35 brave 22 arrow 18

Step VII is the last step.

As per the rules followed in the given steps, find out the appropriate steps for the given input.

Input: 28 lucky girl smart 45 52 91 brave family 63 74 14 nice joy

- A. Five
- B. Six
- C. Seven
- D. Eight
- E. Nine

Answer: C

Sol: The input has 7 words and 7 numbers (alternating). The machine arranges one word-number pair per step in alphabetical + ascending order. With 7 words, 7 steps are needed.

Step I: brave 14 28 lucky girl smart 45 52 91 family 63 74 nice joy

Step II: family 28 brave 14 lucky girl smart 45 52 91 63 74 nice joy

Step III: girl 45 family 28 brave 14 lucky smart 52 91 63 74 nice joy

Step IV: joy 52 girl 45 family 28 brave 14 lucky smart 91 63 74 nice

Step V: lucky 63 joy 52 girl 45 family 28 brave 14 smart 91 74 nice

Step VI: nice 74 lucky 63 joy 52 girl 45 family 28 brave 14 91 smart

Step VII: smart 91 nice 74 lucky 63 joy 52 girl 45 family 28 brave 14

Q.21 Which of the following is the third element from the left end of Step VI?

Study the given information and answer the following questions:

When a machine is given an input line of words and numbers it arranges them following a particular rule. The following is an illustration of input and rearrangement:

(All the numbers are two-digit numbers)

Input: 35 hero arrow 22 43 brave salt earth 56 78 84 five now 18

Step I: arrow 18 35 hero 22 43 brave salt earth 56 78 84 five now

Step II: brave 22 arrow 18 35 hero 43 salt earth 56 78 84 five now

Step III: earth 35 brave 22 arrow 18 hero 43 salt 56 78 84 five now

Step IV: five 43 earth 35 brave 22 arrow 18 hero salt 56 78 84 now

Step V: hero 56 five 43 earth 35 brave 22 arrow 18 salt 78 84 now

Step VI: now 78 hero 56 five 43 earth 35 brave 22 arrow 18 salt 84

Step VII: salt 84 now 78 hero 56 five 43 earth 35 brave 22 arrow 18

Step VII is the last step.

As per the rules followed in the given steps, find out the appropriate steps for the given input.

Input: 28 lucky girl smart 45 52 91 brave family 63 74 14 nice joy

- A. brave
- B. joy
- C. 63
- D. lucky
- E. 14

Answer: D

Sol: Step VI: nice 74 lucky 63 joy 52 girl 45 family 28 brave 14 91 smart. Third element from left = lucky.

Q.22 Which of the following is Step III of the given input?

Study the given information and answer the following questions:

When a machine is given an input line of words and numbers it arranges them following a particular rule. The following is an illustration of input and rearrangement:

(All the numbers are two-digit numbers)

Input: 35 hero arrow 22 43 brave salt earth 56 78 84 five now 18

Step I: arrow 18 35 hero 22 43 brave salt earth 56 78 84 five now

Step II: brave 22 arrow 18 35 hero 43 salt earth 56 78 84 five now

Step III: earth 35 brave 22 arrow 18 hero 43 salt 56 78 84 five now

Step IV: five 43 earth 35 brave 22 arrow 18 hero salt 56 78 84 now

Step V: hero 56 five 43 earth 35 brave 22 arrow 18 salt 78 84 now

Step VI: now 78 hero 56 five 43 earth 35 brave 22 arrow 18 salt 84

Step VII: salt 84 now 78 hero 56 five 43 earth 35 brave 22 arrow 18

Step VII is the last step.

As per the rules followed in the given steps, find out the appropriate steps for the given input.

Input: 28 lucky girl smart 45 52 91 brave family 63 74 14 nice joy

- A. nice 74 girl 45 family 28 brave 14 52 91 lucky 63 smart joy
- B. joy 52 girl 45 family 28 brave 14 lucky smart 91 63 74 nice
- C. girl 45 family 28 brave 14 lucky smart 52 91 63 74 nice joy
- D. family 28 brave 14 lucky girl smart 45 52 91 63 74 nice joy
- E. girl 45 joy 52 family 28 brave 14 lucky smart 91 63 74 nice

Answer: C

Sol: Step III: girl 45 family 28 brave 14 lucky smart 52 91 63 74 nice joy.

Q.23 What is the position of 'lucky' from the left end in the final step?

Study the given information and answer the following questions:

When a machine is given an input line of words and numbers it arranges them following a particular rule. The following is an illustration of input and rearrangement:

(All the numbers are two-digit numbers)

Input: 35 hero arrow 22 43 brave salt earth 56 78 84 five now 18

Step I: arrow 18 35 hero 22 43 brave salt earth 56 78 84 five now

Step II: brave 22 arrow 18 35 hero 43 salt earth 56 78 84 five now

Step III: earth 35 brave 22 arrow 18 hero 43 salt 56 78 84 five now

Step IV: five 43 earth 35 brave 22 arrow 18 hero salt 56 78 84 now

Step V: hero 56 five 43 earth 35 brave 22 arrow 18 salt 78 84 now

Step VI: now 78 hero 56 five 43 earth 35 brave 22 arrow 18 salt 84

Step VII: salt 84 now 78 hero 56 five 43 earth 35 brave 22 arrow 18

Step VII is the last step.

As per the rules followed in the given steps, find out the appropriate steps for the given input.

Input: 28 lucky girl smart 45 52 91 brave family 63 74 14 nice joy

- A. Fifth
- B. Sixth
- C. Seventh
- D. Eighth
- E. Ninth

Answer: A

Sol: Step VII: smart 91 nice 74 lucky 63 joy 52 girl 45 family 28 brave 14. 'lucky' is at position 5 from the left.

Q.24 Which element is third to the right of 'family' in Step V?

Study the given information and answer the following questions:

When a machine is given an input line of words and numbers it arranges them following a particular rule. The following is an illustration of input and rearrangement:

(All the numbers are two-digit numbers)

Input: 35 hero arrow 22 43 brave salt earth 56 78 84 five now 18

Step I: arrow 18 35 hero 22 43 brave salt earth 56 78 84 five now

Step II: brave 22 arrow 18 35 hero 43 salt earth 56 78 84 five now

Step III: earth 35 brave 22 arrow 18 hero 43 salt 56 78 84 five now

Step IV: five 43 earth 35 brave 22 arrow 18 hero salt 56 78 84 now

Step V: hero 56 five 43 earth 35 brave 22 arrow 18 salt 78 84 now

Step VI: now 78 hero 56 five 43 earth 35 brave 22 arrow 18 salt 84

Step VII: salt 84 now 78 hero 56 five 43 earth 35 brave 22 arrow 18

Step VII is the last step.

As per the rules followed in the given steps, find out the appropriate steps for the given input.

Input: 28 lucky girl smart 45 52 91 brave family 63 74 14 nice joy

- A. brave
- B. 14
- C. smart
- D. 91
- E. None of these

Answer: B

Sol: Step V: lucky 63 joy 52 girl 45 family 28 brave 14 smart 91 74 nice. family is at position 7; third to its right = position 10 = 14.

Q.25 Who amongst the following likes the 'Tommy Hilfiger' brand?

Study the following information carefully and answer the given questions.

Nine persons – K, L, M, N, O, P, Q, R and S – stay in a building, but not necessarily in the same order. The building has nine floors and only one person stays on each floor. All of them like clothes of different brands i.e. Allen Solly, Peter England, Levi's, Arrow, Nike, Zara, H&M, Tommy Hilfiger and Wrangler, not necessarily in the same order. The ground floor is numbered 1 and the topmost floor is numbered 9.

O likes Nike and stays on an odd-numbered floor. K stays on an even-numbered floor below the even-numbered floor

on which P stays. N stays on the third floor and likes Arrow brand. The one who likes Peter England stays on the fifth floor. K does not like H&M brand. There are two floors between the floors of the person who likes Nike and the person who likes Tommy Hilfiger. There are three floors between the floors of Q and O. Q likes Levi's brand. R stays on the floor immediately above S's floor. There is only one floor between floors of O and M. O does not like Wrangler. The one who likes Allen Solly stays on the topmost floor. M does not stay on the ground floor. R stays on the fifth floor. L stays on the floor immediately above P's floor. The one who likes Tommy Hilfiger stays immediately above M. S likes Wrangler brand.

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

Answer: D

Floor	Person	Brand
9	L	Allen Solly
8	P	Tommy Hilfiger
7	M	H&M
6	K	Zara
5	R	Peter England
4	O	Nike
3	N	Arrow
2	S	Wrangler
1	Q	Levi's

Q.26 K likes which of the following brand?

Study the following information carefully and answer the given questions.

Nine persons – K, L, M, N, O, P, Q, R and S – stay in a building, but not necessarily in the same order. The building has nine floors and only one person stays on each floor. All of them like clothes of different brands i.e. Allen Solly, Peter England, Levi's, Arrow, Nike, Zara, H&M, Tommy Hilfiger and Wrangler, not necessarily in the same order. The ground floor is numbered 1 and the topmost floor is numbered 9.

O likes Nike and stays on an odd-numbered floor. K stays on an even-numbered floor below the even-numbered floor on which P stays. N stays on the third floor and likes Arrow brand. The one who likes Peter England stays on the fifth floor. K does not like H&M brand. There are two floors between the floors of the person who likes Nike and the person who likes Tommy Hilfiger. There are three floors between the floors of Q and O. Q likes Levi's brand. R stays on the floor immediately above S's floor. There is only one floor between floors of O and M. O does not like Wrangler. The one who likes Allen Solly stays on the topmost floor. M does not stay on the ground floor. R stays on the fifth floor. L stays on the floor immediately above P's floor. The one who likes Tommy Hilfiger stays immediately above M. S likes Wrangler brand.

- A. Wrangler
- B. Peter England
- C. H&M;
- D. Zara
- E. None of these

Answer: D

Sol: From the arrangement, K is on floor 6 and likes Zara.

Q.27 How many floors are there between the floors on which P and O stay?

Study the following information carefully and answer the given questions.

Nine persons – K, L, M, N, O, P, Q, R and S – stay in a building, but not necessarily in the same order. The building has nine floors and only one person stays on each floor. All of them like clothes of different brands i.e. Allen Solly, Peter England, Levi's, Arrow, Nike, Zara, H&M, Tommy Hilfiger and Wrangler, not necessarily in the same order. The ground floor is numbered 1 and the topmost floor is numbered 9.

O likes Nike and stays on an odd-numbered floor. K stays on an even-numbered floor below the even-numbered floor on which P stays. N stays on the third floor and likes Arrow brand. The one who likes Peter England stays on the fifth floor. K does not like H&M brand. There are two floors between the floors of the person who likes Nike and the person who likes Tommy Hilfiger. There are three floors between the floors of Q and O. Q likes Levi's brand. R stays on the floor immediately above S's floor. There is only one floor between floors of O and M. O does not like Wrangler. The one who likes Allen Solly stays on the topmost floor. M does not stay on the ground floor. R stays on the fifth floor. L stays on the floor immediately above P's floor. The one who likes Tommy Hilfiger stays immediately above M. S likes Wrangler brand.

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

Answer: C

Sol: P is on floor 8 and O is on floor 4. Floors between them = $8 - 4 - 1 = 3$.

Q.28 On which of the following floors does Q stay?

Study the following information carefully and answer the given questions.

Nine persons – K, L, M, N, O, P, Q, R and S – stay in a building, but not necessarily in the same order. The building has nine floors and only one person stays on each floor. All of them like clothes of different brands i.e. Allen Solly, Peter England, Levi's, Arrow, Nike, Zara, H&M, Tommy Hilfiger and Wrangler, not necessarily in the same order. The ground floor is numbered 1 and the topmost floor is numbered 9.

O likes Nike and stays on an odd-numbered floor. K stays on an even-numbered floor below the even-numbered floor on which P stays. N stays on the third floor and likes Arrow brand. The one who likes Peter England stays on the fifth floor. K does not like H&M brand. There are two floors between the floors of the person who likes Nike and the person who likes Tommy Hilfiger. There are three floors between the floors of Q and O. Q likes Levi's brand. R stays on the floor immediately above S's floor. There is only one floor between floors of O and M. O does not like Wrangler. The one who likes Allen Solly stays on the topmost floor. M does not stay on the ground floor. R stays on the fifth floor. L stays on the floor immediately above P's floor. The one who likes Tommy Hilfiger stays immediately above M. S likes Wrangler brand.

- A. 1st
- B. 2nd
- C. 6th
- D. 3rd
- E. None of these

Answer: A

Sol: From the arrangement, Q stays on the 1st (ground) floor.

Q.29 Which of the following is true as per the given information?

Study the following information carefully and answer the given questions.

Nine persons – K, L, M, N, O, P, Q, R and S – stay in a building, but not necessarily in the same order. The building has nine floors and only one person stays on each floor. All of them like clothes of different brands i.e. Allen Solly, Peter England, Levi's, Arrow, Nike, Zara, H&M, Tommy Hilfiger and Wrangler, not necessarily in the same order. The ground floor is numbered 1 and the topmost floor is numbered 9.

O likes Nike and stays on an odd-numbered floor. K stays on an even-numbered floor below the even-numbered floor on which P stays. N stays on the third floor and likes Arrow brand. The one who likes Peter England stays on the fifth floor. K does not like H&M brand. There are two floors between the floors of the person who likes Nike and the person who likes Tommy Hilfiger. There are three floors between the floors of Q and O. Q likes Levi's brand. R stays on the floor immediately above S's floor. There is only one floor between floors of O and M. O does not like Wrangler. The one who likes Allen Solly stays on the topmost floor. M does not stay on the ground floor. R stays on the fifth floor. L stays on the floor immediately above P's floor. The one who likes Tommy Hilfiger stays immediately above M. S likes Wrangler brand.

- A. P stays on the floor immediately below the floor on which O stays.
- B. Q stays on the floor immediately above the floor on which R stays.
- C. M stays on the 5th floor.
- D. M likes H&M; brand.
- E. None of these

Answer: D

Sol: M is on floor 7 and likes H&M; brand, which is confirmed by the arrangement.

Q.30 How is V related to U?

- I. U is the only daughter of W, who is the mother-in-law of V.
- II. V is the son-in-law of X's father.

Each of the questions 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. Read both the statements and give answer

- A. if the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question.
- B. if the data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question.
- C. if the data either in statement I alone or in statement II alone are sufficient to answer the question.
- D. if the data in both the statements I and II together are not sufficient to answer the question.
- E. if the data in both the statements I and II together are necessary to answer the question.

Answer: E

Sol: V is the husband of U. Both statements together are necessary to establish this relation.

Q.31 In which department does X work among departments P, Q, R, S and T?

- I. Y and Z work in departments R and T respectively.
- II. X does not work in the same department as either Y or Z.

Each of the questions 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. Read both the statements and give answer

- A. if the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question.
- B. if the data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question.
- C. if the data either in statement I alone or in statement II alone are sufficient to answer the question.
- D. if the data in both the statements I and II together are not sufficient to answer the question.
- E. if the data in both the statements I and II together are necessary to answer the question.

Answer: D

Sol: From I: $Y \rightarrow R, Z \rightarrow T$. From I and II: X can be in P, Q or S. Cannot be determined uniquely.

Q.32 What is A's position with respect to B when A, B, C, D and E are sitting around a circular table facing the centre?

- I. D is second to the left of B and second to the right of C.
- II. E is not an immediate neighbour of B.

Each of the questions 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. Read both the statements and give answer

- A. if the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question.
- B. if the data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question.
- C. if the data either in statement I alone or in statement II alone are sufficient to answer the question.
- D. if the data in both the statements I and II together are not sufficient to answer the question.
- E. if the data in both the statements I and II together are necessary to answer the question.

Answer: E

Sol: Using both statements: the order can be uniquely fixed as B-E-C-D-A (clockwise). A is third to the right (second to the left) of B. Both statements are necessary.

Q.33 Pointing to a photograph, Amit said, 'He is the son of the daughter of my grandfather's only brother.' How is the person in the photograph related to Amit?

- A. Cousin
- B. Nephew
- C. Brother
- D. Can't say
- E. None of these

Answer: A

Sol: Grandfather's only brother → Great-uncle. Great-uncle's daughter → Cousin of father. Cousin of father's son → Amit's cousin.

Q.34 Introducing a man, Meena said, 'He is the son-in-law of the grandfather of my mother's only daughter.' How is the man related to Meena?

- A. Father-in-law
- B. Father
- C. Husband
- D. Brother
- E. None of these

Answer: C

Sol: My mother's only daughter = Meena herself. Grandfather of Meena's father-in-law. Son-in-law of Meena's grandfather = Meena's father... re-parsing: grandfather of Meena → son-in-law of that grandfather = Meena's father? No — Meena's mother's only daughter = Meena; grandfather of Meena; son-in-law of grandfather = Meena's husband.

Q.35 In a row, Kavya is sitting 7th from the right end and Tanvi is sitting 6th from the left end. Kavya is at 18th position to the right of Tanvi. Find the total number of students in the row.

- A. 28
- B. 30
- C. 31
- D. 32
- E. 34

Answer: B

Sol: Tanvi's position from left = 6. Kavya is 18 positions to the right of Tanvi → Kavya's position from left = $6 + 18 = 24$. Kavya is 7th from right → Total = $24 + 7 - 1 = 30$.

Q.36 Who amongst the following likes Cycling?

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

A, B, C, D, E, F, G and H are eight lecturers. Each teaches a different subject among Science, Commerce, Arts, Law, Medicine, Engineering, Architecture and Literature. Each has a different hobby among Cycling, Dancing, Reading, Sketching, Gardening, Trekking, Baking and Yoga, not necessarily in the same order. A who likes Baking is a lecturer of neither Literature nor Medicine. B is a lecturer of Commerce and does not like either Cycling or Reading. The one who is a lecturer of Science likes Sketching. The one who likes Yoga is a lecturer of Engineering and the one who is a lecturer of Architecture likes Dancing. H does not like Gardening. E and F like Dancing and Trekking, though not necessarily in the same order. D likes Yoga. G is a lecturer of Law and does not like Cycling. The one who is a lecturer of Medicine likes Trekking. C is not a lecturer of Literature. The one who is a lecturer of Arts does not like either Reading or Gardening.

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

Answer: D

Person	Subject	Hobby
A	Arts	Baking
B	Commerce	Gardening
C	Science	Sketching
D	Engineering	Yoga
E	Medicine/Architecture	Dancing/Trekking
F	Medicine/Architecture	Dancing/Trekking
G	Law	Reading
H	Literature	Cycling

Q.37 Who amongst the following is a lecturer of Literature?

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

A, B, C, D, E, F, G and H are eight lecturers. Each teaches a different subject among Science, Commerce, Arts, Law, Medicine, Engineering, Architecture and Literature. Each has a different hobby among Cycling, Dancing, Reading, Sketching, Gardening, Trekking, Baking and Yoga, not necessarily in the same order. A who likes Baking is a lecturer of neither Literature nor Medicine. B is a lecturer of Commerce and does not like either Cycling or Reading. The one who is a lecturer of Science likes Sketching. The one who likes Yoga is a lecturer of Engineering and the one who is a lecturer of Architecture likes Dancing. H does not like Gardening. E and F like Dancing and Trekking, though not necessarily in the same order. D likes Yoga. G is a lecturer of Law and does not like Cycling. The one who is a lecturer of Medicine likes Trekking. C is not a lecturer of Literature. The one who is a lecturer of Arts does not like either Reading or Gardening.

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

Answer: D

Sol: From the arrangement, H is the lecturer of Literature.

Q.38 C is a lecturer of which of the following subjects?

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

A, B, C, D, E, F, G and H are eight lecturers. Each teaches a different subject among Science, Commerce, Arts, Law, Medicine, Engineering, Architecture and Literature. Each has a different hobby among Cycling, Dancing, Reading, Sketching, Gardening, Trekking, Baking and Yoga, not necessarily in the same order. A who likes Baking is a lecturer of neither Literature nor Medicine. B is a lecturer of Commerce and does not like either Cycling or Reading. The one who is a lecturer of Science likes Sketching. The one who likes Yoga is a lecturer of Engineering and the one who is a lecturer of Architecture likes Dancing. H does not like Gardening. E and F like Dancing and Trekking, though not necessarily in the same order. D likes Yoga. G is a lecturer of Law and does not like Cycling. The one who is a lecturer of Medicine likes Trekking. C is not a lecturer of Literature. The one who is a lecturer of Arts does not like either Reading or Gardening.

- A. Science
- B. Medicine
- C. Law
- D. Arts
- E. None of these

Answer: A

Sol: The lecturer of Science likes Sketching. C's hobby fits Sketching by elimination; hence C teaches Science.

Q.39 Which of the following combinations is definitely correct?

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

A, B, C, D, E, F, G and H are eight lecturers. Each teaches a different subject among Science, Commerce, Arts, Law, Medicine, Engineering, Architecture and Literature. Each has a different hobby among Cycling, Dancing, Reading, Sketching, Gardening, Trekking, Baking and Yoga, not necessarily in the same order. A who likes Baking is a lecturer of neither Literature nor Medicine. B is a lecturer of Commerce and does not like either Cycling or Reading. The one who is a lecturer of Science likes Sketching. The one who likes Yoga is a lecturer of Engineering and the one who is a lecturer of Architecture likes Dancing. H does not like Gardening. E and F like Dancing and Trekking, though not necessarily in the same order. D likes Yoga. G is a lecturer of Law and does not like Cycling. The one who is a lecturer of Medicine likes Trekking. C is not a lecturer of Literature. The one who is a lecturer of Arts does not like either Reading or Gardening.

- A. C – Science – Dancing
- B. F – Architecture – Dancing
- C. D – Law – Yoga
- D. B – Commerce – Gardening
- E. None is correct

Answer: D

Sol: B is a lecturer of Commerce; B does not like Cycling or Reading; by elimination B likes Gardening. B – Commerce – Gardening is confirmed.

Q.40 Which of the following combinations is incorrect?

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

A, B, C, D, E, F, G and H are eight lecturers. Each teaches a different subject among Science, Commerce, Arts, Law, Medicine, Engineering, Architecture and Literature. Each has a different hobby among Cycling, Dancing, Reading, Sketching, Gardening, Trekking, Baking and Yoga, not necessarily in the same order. A who likes Baking is a lecturer of neither Literature nor Medicine. B is a lecturer of Commerce and does not like either Cycling or Reading. The one

who is a lecturer of Science likes Sketching. The one who likes Yoga is a lecturer of Engineering and the one who is a lecturer of Architecture likes Dancing. H does not like Gardening. E and F like Dancing and Trekking, though not necessarily in the same order. D likes Yoga. G is a lecturer of Law and does not like Cycling. The one who is a lecturer of Medicine likes Trekking. C is not a lecturer of Literature. The one who is a lecturer of Arts does not like either Reading or Gardening.

- A. D – Yoga
- B. A – Arts
- C. G – Cycling
- D. C – Sketching
- E. None of these

Answer: C

Sol: G is a lecturer of Law and does not like Cycling (given). G likes Reading. Hence G – Cycling is incorrect.