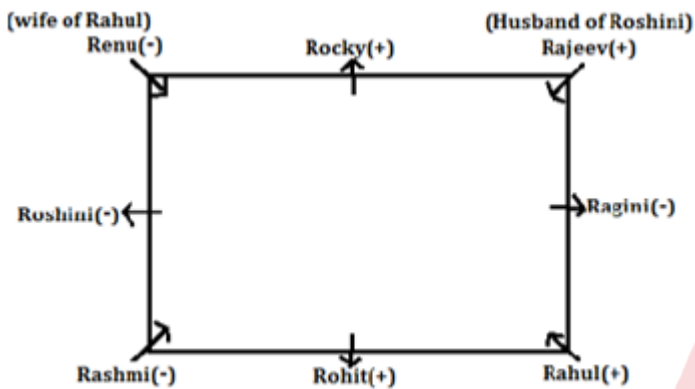**Q.1** Which of the following is true with respect to the given seating arrangement?
Study the following information carefully and answer the given questions:

Ragini, Roshini, Rahul, Renu, Rajee v, Rashmi, Rohit and Rocky are sitting around a square table in such a way that four of them sit at four corners of the square while four sit in the middle of each of the four sides. The ones 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. Ragini sits second to the left of Rohit. Rohit sits in the middle of one of the sides. Rahul sits fourth to the right of his wife and his wife is not an immediate neighbour of Ragini or Rohit. Roshini sits third to right of her husband. Roshini does not sit at any of the corners. Only Renu sits between Roshini and Rocky. Rocky is the husband of Ragini. Rajeev is a male.

   A. No two males are immediate neighbours of each other.
   B. Rohit and Rocky are immediate neighbours of each other.
   C. Rajeev and Renu are immediate neighbours of each other
   D. Rashmi is a male and sits diagonally opposite to Rajeev
   E. Ragini sits at the centre of one of the sides of the square table
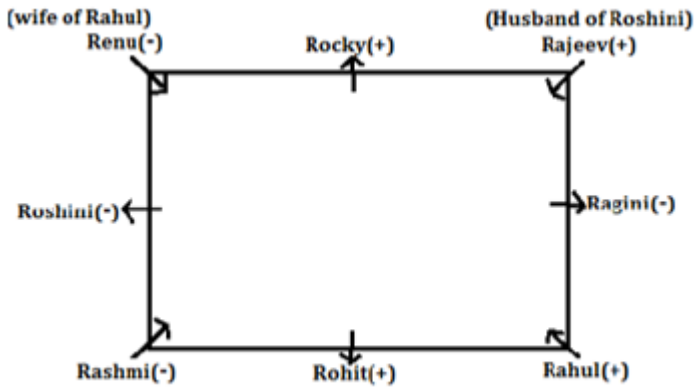
Answer: E

Sol:

Q.2 Who amongst the following is Roshini's husband?
Study the following information carefully and answer the given questions:

Ragini, Roshini, Rahul, Renu, Rajee v, Rashmi, Rohit and Rocky are sitting around a square table in such a way that four of them sit at four corners of the square while four sit in the middle of each of the four sides. The ones 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. Ragini sits second to the left of Rohit. Rohit sits in the middle of one of the sides. Rahul sits fourth to the right of his wife and his wife is not an immediate neighbour of Ragini or Rohit. Roshini sits third to right of her husband. Roshini does not sit at any of the corners. Only Renu sits between Roshini and Rocky. Rocky is the husband of Ragini. Rajeev is a male.

   A. Rahul
   B. Rohit
   C. Rajeev
   D. Rashmi
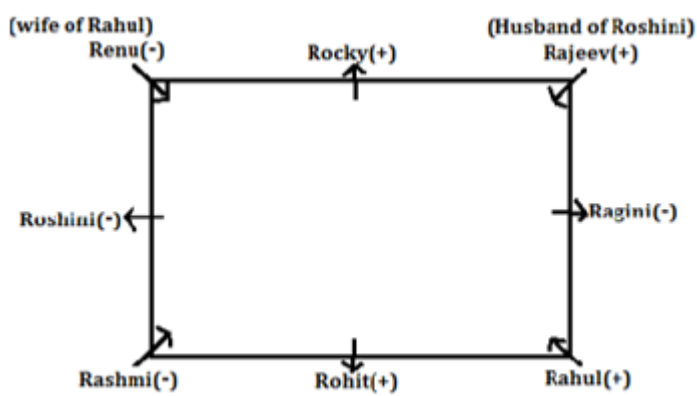   E. Cannot be Determined

Answer: C

Sol:

Q.3 How many people sit between Roshini and Rahul when counted in anti-clockwise direction from Roshini?
Study the following information carefully and answer the given questions:

Ragini, Roshini, Rahul, Renu, Rajee v, Rashmi, Rohit and Rocky are sitting around a square table in such a way that four of them sit at four corners of the square while four sit in the middle of each of the four sides. The ones 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. Ragini sits second to the left of Rohit. Rohit sits in the middle of one of the sides. Rahul sits fourth to the right of his wife and his wife is not an immediate neighbour of Ragini or Rohit. Roshini sits third to right of her husband. Roshini does not sit at any of the corners. Only Renu sits between Roshini and Rocky. Rocky is the husband of Ragini. Rajeev is a male.

A. None
B. One
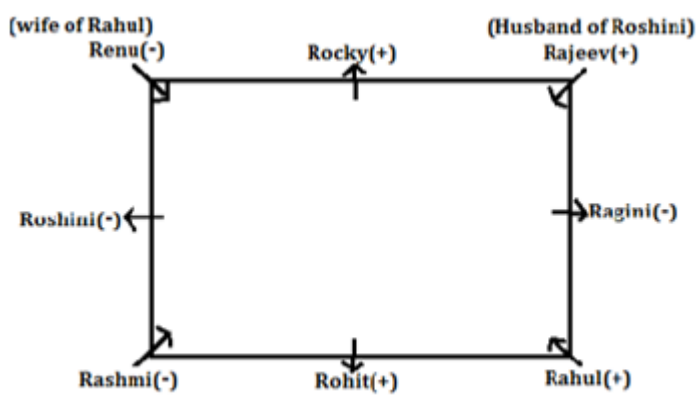C. Two
D. Three
E. Four

Answer: C

Sol:

Q.4 Who amongst the following is the wife of Rahul?
Study the following information carefully and answer the given questions:

Ragini, Roshini, Rahul, Renu, Rajee v, Rashmi, Rohit and Rocky are sitting around a square table in such a way that four of them sit at four corners of the square while four sit in the middle of each of the four sides. The ones 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. Ragini sits second to the left of Rohit. Rohit sits in the middle of one of the sides. Rahul sits fourth to the right of his wife and his wife is not an immediate neighbour of Ragini or Rohit. Roshini sits third to right of her husband. Roshini does not sit at any of the corners. Only Renu sits between Roshini and Rocky. Rocky is the husband of Ragini. Rajeev is a male.

A. Renu
B. Rashmi
C. Roshini
D. Rohit
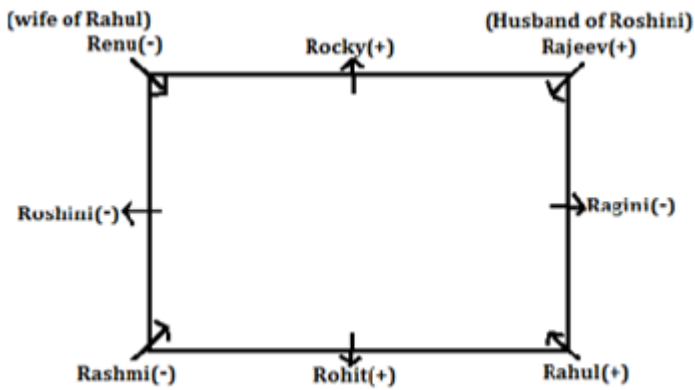E. Cannot be determined

Answer: A

Sol:

Q.5 What is the position of Rajeev with respect to Rahul?
Study the following information carefully and answer the given questions:

Ragini, Roshini, Rahul, Renu, Rajee v, Rashmi, Rohit and Rocky are sitting around a square table in such a way that four of them sit at four corners of the square while four sit in the middle of each of the four sides. The ones 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. Ragini sits second to the left of Rohit. Rohit sits in the middle of one of the sides. Rahul sits fourth to the right of his wife and his wife is not an immediate neighbour of Ragini or Rohit. Roshini sits third to right of her husband. Roshini does not sit at any of the corners. Only Renu sits between Roshini and Rocky. Rocky is the husband of Ragini. Rajeev 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:

Q.6 In a code language, what do 'Pa' mean ?
I. In that code language 'Pe Bo Pa' means 'look at me' and `Bo Se Pe Ki' means 'don't look at him'
II. In that code language `Ka Ta Ne Pa' means 'take me and go' and `Li Wa Si Pa' means 'either me or you'.
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 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: Code for 'pa' is me. Either statement I or II is sufficient.

Q.7 What is the relation between Seema and Mangesh?
I. Shalini is cousin of Mangesh and niece of Seema.
II. Sulekha, sister of Seema, and wife of Omkar who is father of Mangesh.
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 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, relation between seema and mangesh cannot be determined.

Q.8 In which of the following expressions does the expressions L < P' does not hold true?

A. P > N > M = L
B. L = N < M < P
C. P < N ≤ M ≤ L
D. L < M = N > P
E. L < M < N < P

Answer: C

Sol:

P<N≤M≤L

Q.9 Which of the following expressions will be true, if the expression 'J ≥ H = I > K' is definitely true?

A. J ≥ K
B. K < H
C. I ≥ J
D. K = J
E. None of These.

Answer: B

Sol:

K<H

Q.10 Who has a weekly off on Friday? **Study the following information carefully and answer the questions given below**

Seven people Meena, Maya, Monika, Monalisha, Mamta, Meenakshi and Madhuri 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 has a liking for different cuisine i.e. Indian, Italian, Mexican, Chinese, Spanish, Continental and Thai, not necessarily in that order. Maya likes Thai food and gets his weekly off on Thursday. Monalisha likes Italian food and does not have off on Sunday. Mamta has weekly off on Saturday and Madhuri has his weekly off on Tuesday. Meenakshi likes continental food whereas the one who has weekly off on Monday likes Mexican cuisine. Monika does not like Spanish cuisine and has weekly off on Wednesday. The one who likes Indian food does not have a weekly off on Tuesday or Wednesday.

A. Monika
B. Madhuri
C. Meenakshi
D. Data inadequate
E. None of these

Answer: E

Sol:

Person	Off	Cuisine
Meena	Monday	Mexican
Maya	Thursday	Thai
Monika	Wednesday	Chinese
Monalisha	Friday	Italian
Mamta	Saturday	Indian
Meenakshi	Sunday	Continental
Madhuri	Tuesday	Spanish

Q.11 What cuisine does Madhuri like?
Study the following information carefully and answer the questions given below

Seven people Meena, Maya, Monika, Monalisha, Mamta, Meenakshi and Madhuri 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 has a liking for different cuisine i.e. Indian, Italian, Mexican, Chinese, Spanish, Continental and Thai, not necessarily in that order. Maya likes Thai food and gets his weekly off on Thursday. Monalisha likes Italian food and does not have off on Sunday. Mamta has weekly off on Saturday and Madhuri has his weekly off on Tuesday. Meenakshi likes continental food whereas the one who has weekly off on Monday likes Mexican cuisine. Monika does not like Spanish cuisine and has weekly off on Wednesday. The one who likes Indian food does not have a weekly off on Tuesday or Wednesday.

A. Continental

B. Indian
C. Italian
D. Spanish
E. None of these

Answer: D

Sol:

Person	Off	Cuisine
Meena	Monday	Mexican
Maya	Thursday	Thai
Monika	Wednesday	Chinese
Monalisha	Friday	Italian
Mamta	Saturday	Indian
Meenakshi	Sunday	Continental
Madhuri	Tuesday	Spanish

Q.12 On which day does Meena have weekly off ?
Study the following information carefully and answer the questions given below

Seven people Meena, Maya, Monika, Monalisha, Mamta, Meenakshi and Madhuri 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 has a liking for different cuisine i.e. Indian, Italian, Mexican, Chinese, Spanish, Continental and Thai, not necessarily in that order. Maya likes Thai food and gets his weekly off on Thursday. Monalisha likes Italian food and does not have off on Sunday. Mamta has weekly off on Saturday and Madhuri has his weekly off on Tuesday. Meenakshi likes continental food whereas the one who has weekly off on Monday likes Mexican cuisine. Monika does not like Spanish cuisine and has weekly off on Wednesday. The one who likes Indian food does not have a weekly off on Tuesday or Wednesday.

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

Answer: C

Sol:

Person	Off	Cuisine
Meena	Monday	Mexican
Maya	Thursday	Thai
Monika	Wednesday	Chinese
Monalisha	Friday	Italian
Mamta	Saturday	Indian
Meenakshi	Sunday	Continental
Madhuri	Tuesday	Spanish

Q.13 Who likes Chinese cuisine?
Study the following information carefully and answer the questions given below

Seven people Meena, Maya, Monika, Monalisha, Mamta, Meenakshi and Madhuri 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 has a liking for different cuisine i.e. Indian, Italian, Mexican, Chinese, Spanish, Continental and Thai, not necessarily in that order. Maya likes Thai food and gets his weekly off on Thursday. Monalisha likes Italian food and does not have off on Sunday. Mamta has weekly off on Saturday and Madhuri has his weekly off on Tuesday. Meenakshi likes continental food whereas the one who has weekly off on Monday likes Mexican cuisine. Monika does not like Spanish cuisine and has weekly off on Wednesday. The one who likes Indian food does not have a weekly off on Tuesday or Wednesday.

A. Monika
B. Monalisha
C. Madhuri
D. Meena
E. None of these

Answer: A

Sol:

Person	Off	Cuisine
Meena	Monday	Mexican
Maya	Thursday	Thai
Monika	Wednesday	Chinese
Monalisha	Friday	Italian
Mamta	Saturday	Indian
Meenakshi	Sunday	Continental
Madhuri	Tuesday	Spanish

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

Study the following information carefully and answer the questions given below

Seven people Meena, Maya, Monika, Monalisha, Mamta, Meenakshi and Madhuri 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 has a liking for different cuisine i.e. Indian, Italian, Mexican, Chinese, Spanish, Continental and Thai, not necessarily in that order. Maya likes Thai food and gets his weekly off on Thursday. Monalisha likes Italian food and does not have off on Sunday. Mamta has weekly off on Saturday and Madhuri has his weekly off on Tuesday. Meenakshi likes continental food whereas the one who has weekly off on Monday likes Mexican cuisine. Monika does not like Spanish cuisine and has weekly off on Wednesday. The one who likes Indian food does not have a weekly off on Tuesday or Wednesday.

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

Answer: B

Sol:

Person	Off	Cuisine
Meena	Monday	Mexican
Maya	Thursday	Thai
Monika	Wednesday	Chinese
Monalisha	Friday	Italian
Mamta	Saturday	Indian
Meenakshi	Sunday	Continental
Madhuri	Tuesday	Spanish

Q.15 What is the position of 'O' with respect to the one whose joining month is January? **Study the following information carefully to answer the given questions:**

Eight persons i.e. I, J, K, L, M, N, O and P are sitting in a straight line facing north. Each one of them has passed a recruitment exam and must join the office in different months viz. January, February, March, April, May, June, July and August but not necessarily in the same order.
P sits third to the right of the person whose joining date is in January. Neither I nor M has joining dates in January. P's joining date is not in August. O sits third to the right of the person who joins in May. The person who joins in August sits second to the right of O. I and M are immediate neighbors of each other. Neither I nor M is an immediate neighbor of O. Only one person sits between M and J. K joins two months before July. M joins after April. Only two people sit between M and the person whose joining date is in July. The person whose joining date is in February sits to the immediate left of L. O joins after I.

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:

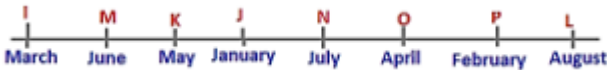| I	M	K	J	N	O	P	L
March	June	May	January	July	April	February	August

Q.16 Who amongst the following sits exactly between M and J?

Study the following information carefully to answer the given questions:

Eight persons i.e. I, J, K, L, M, N, O and P are sitting in a straight line facing north. Each one of them has passed a recruitment exam and must join the office in different months viz. January, February, March, April, May, June, July and August but not necessarily in the same order.
P sits third to the right of the person whose joining date is in January. Neither I nor M has joining dates in January. P's joining date is not in August. O sits third to the right of the person who joins in May. The person who joins in August sits second to the right of O. I and M are immediate neighbors of each other. Neither I nor M is an immediate neighbor of O. Only one person sits between M and J. K joins two months before July. M joins after April. Only two people sit between M and the person whose joining date is in July. The person whose joining date is in February sits to the immediate left of L. O joins after I.

A. The person whose joining date is in May
B. The person whose joining date is in January
C. L
D. I
E. The person whose joining date is in August.

Answer: A

Sol:

I M K J N O P L
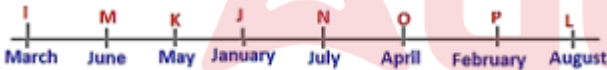March June May January July April February August

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Q.17 Which of the following is true regarding L?
Study the following information carefully to answer the given questions:

Eight persons i.e. I, J, K, L, M, N, O and P are sitting in a straight line facing north. Each one of them has passed a recruitment exam and must join the office in different months viz. January, February, March, April, May, June, July and August but not necessarily in the same order.
P sits third to the right of the person whose joining date is in January. Neither I nor M has joining dates in January. P's joining date is not in August. O sits third to the right of the person who joins in May. The person who joins in August sits second to the right of O. I and M are immediate neighbors of each other. Neither I nor M is an immediate neighbor of O. Only one person sits between M and J. K joins two months before July. M joins after April. Only two people sit between M and the person whose joining date is in July. The person whose joining date is in February sits to the immediate left of L. O joins after I.

A. Only two people sit to the left of L
B. L is sitting third to the right of the person whose joining date in July
C. M and J are immediate neighbours of L
D. L's joining date is in May
E. None of these

Answer: B

Sol:

I M K J N O P L
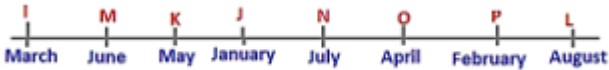March June May January July April February August

---

Q.18 Four of the following five are alike in a certain way, and so form a group. Which of the following does not belong to the group?
Study the following information carefully to answer the given questions:

Eight persons i.e. I, J, K, L, M, N, O and P are sitting in a straight line facing north. Each one of them has passed a recruitment exam and must join the office in different months viz. January, February, March, April, May, June, July and August but not necessarily in the same order.
P sits third to the right of the person whose joining date is in January. Neither I nor M has joining dates in January. P's joining date is not in August. O sits third to the right of the person who joins in May. The person who joins in August sits second to the right of O. I and M are immediate neighbors of each other. Neither I nor M is an immediate neighbor of O. Only one person sits between M and J. K joins two months before July. M joins after April. Only two people sit between M and the person whose joining date is in July. The person whose joining date is in February sits to the immediate left of L. O joins after I.

A. January
B. March
C. June
D. May
E. July

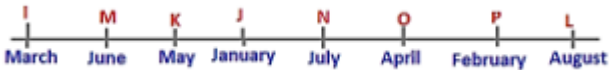**Answer:** C

Sol:

Q.19 Who sits at the end of the table?

Study the following information carefully to answer the given questions:

Eight persons i.e. I, J, K, L, M, N, O and P are sitting in a straight line facing north. Each one of them has passed a recruitment exam and must join the office in different months viz. January, February, March, April, May, June, July and August but not necessarily in the same order.

P sits third to the right of the person whose joining date is in January. Neither I nor M has joining dates in January. P's joining date is not in August. O sits third to the right of the person who joins in May. The person who joins in August sits second to the right of O. I and M are immediate neighbors of each other. Neither I nor M is an immediate neighbor of O. Only one person sits between M and J. K joins two months before July. M joins after April. Only two people sit between M and the person whose joining date is in July. The person whose joining date is in February sits to the immediate left of L. O joins after I.

A. I, the one whose joining month is June
B. The one whose joining month is April, P
C. I, O
D. The one whose joining month is March and August
E. None of these

Answer: D

Sol:

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: 40 made butter 23 37 cookies salt extra 52 86 92 fell now 19
Step I: butter 19 40 made 23 37 cookies salt extra 52 86 92 fell now
Step II: cookies 23 butter 19 40 made 37 salt extra 52 86 92 fell now
Step III: extra 37 cookies 23 butter 19 40 made salt 52 86 92 fell now
Step IV: fell 40 extra 37 cookies 23 butter 19 made salt 52 86 92 now
Step V: made 52 fell 40 extra 37 cookies 23 butter 19 salt 86 92 now
Step VI: now 86 made 52 fell 40 extra 37 cookies 23 butter 19 salt 92
Step VII: salt 92 now 86 made 52 fell 40 extra 37 cookies 23 butter 19
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: 32 proud girl beautiful 48 55 97 rich family 61 72 17 nice life

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

Answer: C

Sol:

In each step a word and a number are arranged in each step.

Words are arranged in alphabetical order from left to right according to the English alphabet (for ex- A-B-C-D............X-Y-Z.

Numbers are arranged in increasing order from the left to right.

Input: 32 proud girl beautiful 48 55 97 rich family 61 72 17 nice life

Step I:

beautiful 17 32 proud girl 48 55 97 rich family 61 72 nice life

Step II: family 32 beautiful 17 proud girl 48 55 97 rich 61 72 nice life

Step III: girl 48 family 32 beautiful 17 proud 55 97 rich 61 72 nice life

Step IV: life 55 girl 48 family 32 beautiful 17 proud 97 rich 61 72 nice

Step V: nice 61 life 55 girl 48 family 32 beautiful 17 proud 97 rich 72

Step VI: Proud 72 nice 61 life 55 girl 48 family 32 beautiful 17 97 rich

Step VII: rich 97 proud 72 nice 61 life 55 girl 48 family 32 beautiful 17

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: 40 made butter 23 37 cookies salt extra 52 86 92 fell now 19

Step I: butter 19 40 made 23 37 cookies salt extra 52 86 92 fell now

Step II: cookies 23 butter 19 40 made 37 salt extra 52 86 92 fell now

Step III: extra 37 cookies 23 butter 19 40 made salt 52 86 92 fell now

Step IV: fell 40 extra 37 cookies 23 butter 19 made salt 52 86 92 now

Step V: made 52 fell 40 extra 37 cookies 23 butter 19 salt 86 92 now

Step VI: now 86 made 52 fell 40 extra 37 cookies 23 butter 19 salt 92

Step VII: salt 92 now 86 made 52 fell 40 extra 37 cookies 23 butter 19

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: 32 proud girl beautiful 48 55 97 rich family 61 72 17 nice life

A. beautiful

B. life

C. 61

D. nice

E. 17

Answer: D

Sol:

In each step a word and a number are arranged in each step.

Words are arranged in alphabetical order from left to right according to the English alphabet (for ex- A-B-C-D............X-Y-Z.

Numbers are arranged in increasing order from the left to right.

Input: 32 proud girl beautiful 48 55 97 rich family 61 72 17 nice life

Step I:

beautiful 17 32 proud girl 48 55 97 rich family 61 72 nice life

Step II: family 32 beautiful 17 proud girl 48 55 97 rich 61 72 nice life

Step III: girl 48 family 32 beautiful 17 proud 55 97 rich 61 72 nice life

Step IV: life 55 girl 48 family 32 beautiful 17 proud 97 rich 61 72 nice

Step V: nice 61 life 55 girl 48 family 32 beautiful 17 proud 97 rich 72

Step VI: Proud 72 nice 61 life 55 girl 48 family 32 beautiful 17 97 rich

Step VII: rich 97 proud 72 nice 61 life 55 girl 48 family 32 beautiful 17

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: 40 made butter 23 37 cookies salt extra 52 86 92 fell now 19

Step I: butter 19 40 made 23 37 cookies salt extra 52 86 92 fell now

Step II: cookies 23 butter 19 40 made 37 salt extra 52 86 92 fell now

Step III: extra 37 cookies 23 butter 19 40 made salt 52 86 92 fell now

Step IV: fell 40 extra 37 cookies 23 butter 19 made salt 52 86 92 now

Step V: made 52 fell 40 extra 37 cookies 23 butter 19 salt 86 92 now

Step VI: now 86 made 52 fell 40 extra 37 cookies 23 butter 19 salt 92

Step VII: salt 92 now 86 made 52 fell 40 extra 37 cookies 23 butter 19

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: 32 proud girl beautiful 48 55 97 rich family 61 72 17 nice life

A. proud 72 girl 48 family 32 beautiful 17 55 97 rich 61 nice life
B. life 55 girl 48 family 32 beautiful 17 proud 97 rich 61 72 nice
C. girl 48 family 32 beautiful 17 proud 55 97 rich 61 72 nice life
D. family 32 beautiful 17 proud girl 48 55 97 rich 61 72 nice life
E. girl 48 life 55 family 32 beautiful 17 proud 97 rich 61 72 nice

Answer: C

Sol:

In each step a word and a number are arranged in each step.
Words are arranged in alphabetical order from left to right according to the English alphabet (for ex- A-B-C-D............X-Y-Z.
Numbers are arranged in increasing order from the left to right.
Input: 32 proud girl beautiful 48 55 97 rich family 61 72 17 nice life
Step I:
beautiful 17 32 proud girl 48 55 97 rich family 61 72 nice life
Step II: family 32 beautiful 17 proud girl 48 55 97 rich 61 72 nice life
Step III: girl 48 family 32 beautiful 17 proud 55 97 rich 61 72 nice life
Step IV: life 55 girl 48 family 32 beautiful 17 proud 97 rich 61 72 nice
Step V: nice 61 life 55 girl 48 family 32 beautiful 17 proud 97 rich 72
Step VI: Proud 72 nice 61 life 55 girl 48 family 32 beautiful 17 97 rich
Step VII: rich 97 proud 72 nice 61 life 55 girl 48 family 32 beautiful 17

Q.23 What is the position of "nice" 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: 40 made butter 23 37 cookies salt extra 52 86 92 fell now 19
Step I: butter 19 40 made 23 37 cookies salt extra 52 86 92 fell now
Step II: cookies 23 butter 19 40 made 37 salt extra 52 86 92 fell now
Step III: extra 37 cookies 23 butter 19 40 made salt 52 86 92 fell now
Step IV: fell 40 extra 37 cookies 23 butter 19 made salt 52 86 92 now
Step V: made 52 fell 40 extra 37 cookies 23 butter 19 salt 86 92 now
Step VI: now 86 made 52 fell 40 extra 37 cookies 23 butter 19 salt 92
Step VII: salt 92 now 86 made 52 fell 40 extra 37 cookies 23 butter 19
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: 32 proud girl beautiful 48 55 97 rich family 61 72 17 nice life

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

Answer: A

Sol:

In each step a word and a number are arranged in each step.
Words are arranged in alphabetical order from left to right according to the English alphabet (for ex- A-B-C-D............X-Y-Z.
Numbers are arranged in increasing order from the left to right.
Input: 32 proud girl beautiful 48 55 97 rich family 61 72 17 nice life
Step I:
beautiful 17 32 proud girl 48 55 97 rich family 61 72 nice life
Step II: family 32 beautiful 17 proud girl 48 55 97 rich 61 72 nice life
Step III: girl 48 family 32 beautiful 17 proud 55 97 rich 61 72 nice life
Step IV: life 55 girl 48 family 32 beautiful 17 proud 97 rich 61 72 nice
Step V: nice 61 life 55 girl 48 family 32 beautiful 17 proud 97 rich 72
Step VI: Proud 72 nice 61 life 55 girl 48 family 32 beautiful 17 97 rich
Step VII: rich 97 proud 72 nice 61 life 55 girl 48 family 32 beautiful 17

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: 40 made butter 23 37 cookies salt extra 52 86 92 fell now 19

Step I: butter 19 40 made 23 37 cookies salt extra 52 86 92 fell now

Step II: cookies 23 butter 19 40 made 37 salt extra 52 86 92 fell now

Step III: extra 37 cookies 23 butter 19 40 made salt 52 86 92 fell now

Step IV: fell 40 extra 37 cookies 23 butter 19 made salt 52 86 92 now

Step V: made 52 fell 40 extra 37 cookies 23 butter 19 salt 86 92 now

Step VI: now 86 made 52 fell 40 extra 37 cookies 23 butter 19 salt 92

Step VII: salt 92 now 86 made 52 fell 40 extra 37 cookies 23 butter 19

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: 32 proud girl beautiful 48 55 97 rich family 61 72 17 nice life

A. beautiful

B. 17

C. proud

D. 97

E.

(c)2

Answer: B

Sol:

In each step a word and a number are arranged in each step.

Words are arranged in alphabetical order from left to right according to the English alphabet (for ex- A-B-C-D............X-Y-Z.

Numbers are arranged in increasing order from the left to right.

Input: 32 proud girl beautiful 48 55 97 rich family 61 72 17 nice life

Step I:

beautiful 17 32 proud girl 48 55 97 rich family 61 72 nice life

Step II: family 32 beautiful 17 proud girl 48 55 97 rich 61 72 nice life

Step III: girl 48 family 32 beautiful 17 proud 55 97 rich 61 72 nice life

Step IV: life 55 girl 48 family 32 beautiful 17 proud 97 rich 61 72 nice

Step V: nice 61 life 55 girl 48 family 32 beautiful 17 proud 97 rich 72

Step VI: Proud 72 nice 61 life 55 girl 48 family 32 beautiful 17 97 rich

Step VII: rich 97 proud 72 nice 61 life 55 girl 48 family 32 beautiful 17

Q.25 Who among the following likes the 'Van Heusen' brand? **Study the following information carefully and answer the given questions.**

Nine persons – P, Q, R, S, T, U, V, W and Z – 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 have like clothes of different brands i.e. Max, Puma, Lifestyle, Woodland, Adidas, Pantaloons, diesel, Van Heusen and Lee, but not necessarily in the same order. The ground floor is numbered 1, the floor above it is numbered 2, and so on, and the topmost floor is numbered 9.

U likes clothes of Adidas and stays on an odd-numbered floor. P stays on an even-numbered floor below the even numbered floor on which W stays. S stays on the second floor and likes Woodland brand. The one who likes Puma brand stays on the fourth floor. P does not like diesel brand. There are two floors between the floors on which the persons who likes the Adidas brand and the person who likes Van Heusen brand stay. There are three floors between the floors on which R and U stay. R likes Lifestyle brand. T stays on the floor immediately above Z's. There is only one floor between the floors on which U and V stay. U does not like Lee brand. The one who likes the Max brand stays on the topmost floor. V does not stay on the ground floor. T stays on the fourth floor. Q stays on the floor immediately above W. The one who likes the Van Heusen brand stays immediately above V. Z likes Lee brand.

A. Q

B. U

C. Z

D. W

E. None of these

Answer: D

Sol:

FLOOR	PERSON	BRANDS
9	Q	MAX
8	W	VAN HEUSEN
7	V	DIESEL
6	P	PENTALOONS
5	U	ADIDAS
4	T	PUMA
3	Z	LEE
2	S	WOODLAND
1	R	LIFESTYLE

Q.26 P likes which of the following brand?

Study the following information carefully and answer the given questions.

Nine persons – P, Q, R, S, T, U, V, W and Z – 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 have like clothes of different brands i.e. Max, Puma, Lifestyle, Woodland, Adidas, Pantaloons, diesel, Van Heusen and Lee, but not necessarily in the same order. The ground floor is numbered 1, the floor above it is numbered 2, and so on, and the topmost floor is numbered 9.

U likes clothes of Adidas and stays on an odd-numbered floor. P stays on an even-numbered floor below the even numbered floor on which W stays. S stays on the second floor and likes Woodland brand. The one who likes Puma brand stays on the fourth floor. P does not like diesel brand. There are two floors between the floors on which the persons who likes the Adidas brand and the person who likes Van Heusen brand stay. There are three floors between the floors on which R and U stay. R likes Lifestyle brand. T stays on the floor immediately above Z's. There is only one floor between the floors on which U and V stay. U does not like Lee brand. The one who likes the Max brand stays on the topmost floor. V does not stay on the ground floor. T stays on the fourth floor. Q stays on the floor immediately above W. The one who likes the Van Heusen brand stays immediately above V. Z likes Lee brand.

A. Lee
B. Puma
C. diesel
D. Pantaloons
E. None of these

Answer: D

Sol:

FLOOR	PERSON	BRANDS
9	Q	MAX
8	W	VAN HEUSEN
7	V	DIESEL
6	P	PENTALOONS
5	U	ADIDAS
4	T	PUMA
3	Z	LEE
2	S	WOODLAND
1	R	LIFESTYLE

Q.27 How many floors are there between the floors on which W and U stay?

Study the following information carefully and answer the given questions.

Nine persons – P, Q, R, S, T, U, V, W and Z – 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 have like clothes of different brands i.e. Max, Puma, Lifestyle, Woodland, Adidas, Pantaloons, diesel, Van Heusen and Lee, but not necessarily in the same order. The ground floor is numbered 1, the floor above it is numbered 2, and so on, and the topmost floor is numbered 9.

U likes clothes of Adidas and stays on an odd-numbered floor. P stays on an even-numbered floor below the even numbered floor on which W stays. S stays on the second floor and likes Woodland brand. The one who likes Puma brand stays on the fourth floor. P does not like diesel brand. There are two floors between the floors on which the persons who likes the Adidas brand and the person who likes Van Heusen brand stay. There are three floors between the floors on which R and U stay. R likes Lifestyle brand. T stays on the floor immediately above Z's. There is only one floor between the floors on which U and V stay. U does not like Lee brand. The one who likes the Max brand stays on the topmost floor. V does not stay on the ground floor. T stays on the fourth floor. Q stays on the floor immediately above W. The one who likes the Van Heusen brand stays immediately above V. Z likes Lee brand.

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

Answer: B

Sol:

FLOOR	PERSON	BRANDS
9	Q	MAX
8	W	VAN HEUSEN
7	V	DIESEL
6	P	PENTALOONS
5	U	ADIDAS
4	T	PUMA
3	Z	LEE
2	S	WOODLAND
1	R	LIFESTYLE

Q.28 On which of the following floors does R stay?
Study the following information carefully and answer the given questions.

Nine persons – P, Q, R, S, T, U, V, W and Z – 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 have like clothes of different brands i.e. Max, Puma, Lifestyle, Woodland, Adidas, Pantaloons, diesel, Van Heusen and Lee, but not necessarily in the same order. The ground floor is numbered 1, the floor above it is numbered 2, and so on, and the topmost floor is numbered 9.
U likes clothes of Adidas and stays on an odd-numbered floor. P stays on an even-numbered floor below the even numbered floor on which W stays. S stays on the second floor and likes Woodland brand. The one who likes Puma brand stays on the fourth floor. P does not like diesel brand. There are two floors between the floors on which the persons who likes the Adidas brand and the person who likes Van Heusen brand stay. There are three floors between the floors on which R and U stay. R likes Lifestyle brand. T stays on the floor immediately above Z's. There is only one floor between the floors on which U and V stay. U does not like Lee brand. The one who likes the Max brand stays on the topmost floor. V does not stay on the ground floor. T stays on the fourth floor. Q stays on the floor immediately above W. The one who likes the Van Heusen brand stays immediately above V. Z likes Lee brand.

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

Answer: A

Sol:

FLOOR	PERSON	BRANDS
9	Q	MAX
8	W	VAN HEUSEN
7	V	DIESEL
6	P	PENTALOONS
5	U	ADIDAS
4	T	PUMA
3	Z	LEE
2	S	WOODLAND
1	R	LIFESTYLE

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 – P, Q, R, S, T, U, V, W and Z – 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 have like clothes of different brands i.e. Max, Puma, Lifestyle, Woodland, Adidas, Pantaloons, diesel, Van Heusen and Lee, but not necessarily in the same order. The ground floor is numbered 1, the floor above it is numbered 2, and so on, and the topmost floor is numbered 9.
U likes clothes of Adidas and stays on an odd-numbered floor. P stays on an even-numbered floor below the even numbered floor on which W stays. S stays on the second floor and likes Woodland brand. The one who likes Puma brand stays on the fourth floor. P does not like diesel brand. There are two floors between the floors on which the persons who likes the Adidas brand and the person who likes Van Heusen brand stay. There are three floors between the floors on which R and U stay. R likes Lifestyle brand. T stays on the floor immediately above Z's. There is only one floor between the floors on which U and V stay. U does not like Lee brand. The one who likes the Max brand stays on the topmost floor. V does not stay on the ground floor. T stays on the fourth floor. Q stays on the floor immediately above W. The one who likes the Van Heusen brand stays immediately above V. Z likes Lee brand.

A. W stays on the floor immediately below the floor on which U stays.
B. R stays on the floor immediately above the floor on which T stays.
C. V stays on the 6th floor.
D. V likes diesel brand.
E. None of these

Answer: D

Sol:

FLOOR	PERSON	BRANDS
9	Q	MAX
8	W	VAN HEUSEN
7	V	DIESEL
6	P	PENTALOONS
5	U	ADIDAS
4	T	PUMA
3	Z	LEE
2	S	WOODLAND
1	R	LIFESTYLE

Q.30 How is T related to S?
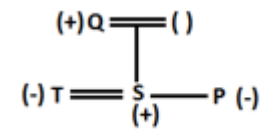I. S is the only son of Q, who is father-in-law of T.
II. T is daughter-in-law of P's mother.
Each of the questions below consists of a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question. Read 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 questions.
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:

T is wife of S.
Hence, From statement I and II we get our final answer.

Q.31 In which school does L study among schools P, Q, R, S and T?
I. J and B study in school R and T respectively.
II. L does not study in the same school in which either J or B studies.
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 questions.
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.)
J → R
B → T
From I and II.
L → P, Q, S
Hence, statements are not sufficient to answer the question.

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

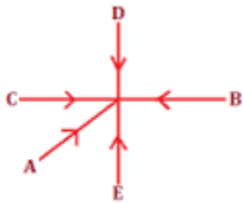I. C is second to the left of E and second to the right of B.

II. D is not an immediate neighbour of E.

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 questions.

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:

A's position with respect to B is third to the right and second to the left.

Q.33 Pointing to a photograph, Ranjit said, "She is the daughter of the son of my grandfather's only brother." How is the lady related to Ranjit?

A. Cousin

B. Niece

C. Sister

D. Can't say

E. None of these

Answer: A

Sol:

Cousin;

Q.34 Introducing a woman, Soniya said, 'She is the daughter-in-law of the grandmother of my father's only son." How is the woman related to Soniya ?

A. Mother –in-law

B. Mother

C. Son

D. Daughter

E. None of these.

Answer: B

N/A

Q.35 In a row, ruby is sitting 6th from the right end and soni is sitting 5th from the left end. ruby is at 20th position to right of soni. Find the total number of girls in the row?

A. 25

B. 28

C. 22

D. 30

E. 34

Answer: D

Sol:

___ Soni _____(19 girls) __ Ruby _____
Total = 5+19+6 = 30

Q.36 Who among of the following likes Riding?
Study the following information carefully and answer the questions given below:

A, B, C, D, E, F, G and H are eight persons. Each is a professor of a different subject like Maths, Physics, Hindi, English, Geology, Zoology, Botany and History. Each of them having different hobby like Riding, Music, Poetry, Shayari, Painting, Rafting, Cooking and Swimming but not necessarily in the same order. A who likes cooking is a professor of neither History nor Geology. B is a professor of English and does not like either Riding or Poetry. The one who is a professor of Maths likes Shayari. The one who likes Swimming is a professor of Physics and the one who is a professor of Botany likes Music. H doesn't like Painting. E and F like Music and Rafting, though not necessarily in the same order. D likes Swimming. G is a professor of Zoology and doesn't like Riding. The one who is a professor of Geology likes Rafting. C is not a professor of History. The one who is a professor of Hindi doesn't like either Poetry or Painting.

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

Answer: D

Sol:

Persons	Subject	Hobby
A	HINDI	COOKING
B	ENGLISH	PAINTING
C	MATH	SHAYARI
D	PHYSICS	SWIMMING
E	GEOLOGY/BOTANY	MUSIC/RAFTING
F	GEOLOGY/BOTANY	MUSIC/RAFTING
G	ZOOLOGY	POETRY
H	HISTORY	RIDING

Q.37 Who among of the following is a professor of History?
Study the following information carefully and answer the questions given below:

A, B, C, D, E, F, G and H are eight persons. Each is a professor of a different subject like Maths, Physics, Hindi, English, Geology, Zoology, Botany and History. Each of them having different hobby like Riding, Music, Poetry, Shayari, Painting, Rafting, Cooking and Swimming but not necessarily in the same order. A who likes cooking is a professor of neither History nor Geology. B is a professor of English and does not like either Riding or Poetry. The one who is a professor of Maths likes Shayari. The one who likes Swimming is a professor of Physics and the one who is a professor of Botany likes Music. H doesn't like Painting. E and F like Music and Rafting, though not necessarily in the same order. D likes Swimming. G is a professor of Zoology and doesn't like Riding. The one who is a professor of Geology likes Rafting. C is not a professor of History. The one who is a professor of Hindi doesn't like either Poetry or Painting.

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

Answer: D

Sol:

Persons	Subject	Hobby
A	HINDI	COOKING
B	ENGLISH	PAINTING
C	MATH	SHAYARI
D	PHYSICS	SWIMMING
E	GEOLOGY/BOTANY	MUSIC/RAFTING
F	GEOLOGY/BOTANY	MUSIC/RAFTING
G	ZOOLOGY	POETRY
H	HISTORY	RIDING

Q.38 C is a professor 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 persons. Each is a professor of a different subject like Maths, Physics, Hindi, English, Geology, Zoology, Botany and History. Each of them having different hobby like Riding, Music, Poetry, Shayari, Painting, Rafting, Cooking and Swimming but not necessarily in the same order. A who likes cooking is a professor of neither History nor Geology. B is a professor of English and does not like either Riding or Poetry. The one who is a professor of Maths likes Shayari. The one who likes Swimming is a professor of Physics and the one who is a professor of Botany likes Music. H doesn't like Painting. E and F like Music and Rafting, though not necessarily in the same order. D likes Swimming. G is a professor of Zoology and doesn't like Riding. The one who is a professor of Geology likes Rafting. C is not a professor of History. The one who is a professor of Hindi doesn't like either Poetry or Painting.

A. Maths
B. Geology
C. Zoology
D. Hindi
E. None of these

Answer: A

Sol:

Persons	Subject	Hobby
A	HINDI	COOKING
B	ENGLISH	PAINTING
C	MATH	SHAYARI
D	PHYSICS	SWIMMING
E	GEOLOGY/BOTANY	MUSIC/RAFTING
F	GEOLOGY/BOTANY	MUSIC/RAFTING
G	ZOOLOGY	POETRY
H	HISTORY	RIDING

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 persons. Each is a professor of a different subject like Maths, Physics, Hindi, English, Geology, Zoology, Botany and History. Each of them having different hobby like Riding, Music, Poetry, Shayari, Painting, Rafting, Cooking and Swimming but not necessarily in the same order. A who likes cooking is a professor of neither History nor Geology. B is a professor of English and does not like either Riding or Poetry. The one who is a professor of Maths likes Shayari. The one who likes Swimming is a professor of Physics and the one who is a professor of Botany likes Music. H doesn't like Painting. E and F like Music and Rafting, though not necessarily in the same order. D likes Swimming. G is a professor of Zoology and doesn't like Riding. The one who is a professor of Geology likes Rafting. C is not a professor of History. The one who is a professor of Hindi doesn't like either Poetry or Painting.

A. C-Maths-Music
B. F-Botany-Music
C. D-Zoology-Riding
D. B-English-Painting
E. None is correct

Answer: D

Sol:

Persons	Subject	Hobby
A	HINDI	COOKING
B	ENGLISH	PAINTING
C	MATH	SHAYARI
D	PHYSICS	SWIMMING
E	GEOLOGY/BOTANY	MUSIC/RAFTING
F	GEOLOGY/BOTANY	MUSIC/RAFTING
G	ZOOLOGY	POETRY
H	HISTORY	RIDING

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 persons. Each is a professor of a different subject like Maths, Physics, Hindi, English, Geology, Zoology, Botany and

History. Each of them having different hobby like Riding, Music, Poetry, Shayari, Painting, Rafting, Cooking and Swimming but not necessarily in the same order. A who likes cooking is a professor of neither History nor Geology. B is a professor of English and does not like either Riding or Poetry. The one who is a professor of Maths likes Shayari. The one who likes Swimming is a professor of Physics and the one who is a professor of Botany likes Music. H doesn't like Painting. E and F like Music and Rafting, though not necessarily in the same order. D likes Swimming. G is a professor of Zoology and doesn't like Riding. The one who is a professor of Geology likes Rafting. C is not a professor of History. The one who is a professor of Hindi doesn't like either Poetry or Painting.

A. D-Swimming
B. A-Hindi
C. G-Rafting
D. C-Shayari
E. None of these

Answer: C

Sol:

Persons	Subject	Hobby
A	HINDI	COOKING
B	ENGLISH	PAINTING
C	MATH	SHAYARI
D	PHYSICS	SWIMMING
E	GEOLOGY/BOTANY	MUSIC/RAFTING
F	GEOLOGY/BOTANY	MUSIC/RAFTING
G	ZOOLOGY	POETRY
H	HISTORY	RIDING