EXAM Genius

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ENHANCE YOUR

REASONING ABILITY

LOGICAL THINKING

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BANK & INSURANCE EXAM

PUZZLE 01

Eight persons in the family viz. L, M, N, O, P, Q, R, and S are buying the flat on the eight different floors of the building. The lowermost floor is numbered as one and the topmost floor is numbered as eight. All the information is not necessarily in the same order.

The only brother of L bought two floors below L. L bought one of the floors above fifth floor. Only two persons are buying between Q's sister-inlaw and L's brother. Q has only one sister and is unmarried. Q's sister-in-law does not buy above L. Only one person bought between N's Spouse and P's only son. L's only sister-in-law is the mother of O. Q bought immediately above N who is the brother of L. Q is the sister of the one who is the father of O. M is the paternal grandfather of R. S is the mother of the one who is the father of O. P is the mother of O's only brother. L's father has a granddaughter. M bought two floors below the floor which is immediately above S's daughter-in-law's floor. The number of persons bought between S's spouse and S is the same as between Q's niece and L's sister. R's sister neither bought on the adjacent floor of P's spouse nor M's daughter-in-law

PUZZLE 02

Twelve persons - G, H, I, J, K, L, M, N, O, P, Q and R are standing around a hexagonal table, but not necessarily in the same order. Six persons are standing on the corners and six persons are standing in the middle of each side of the table. Equal number of persons face inside and outside the table. Not more than two adjacent persons face the same direction.

The consecutive alphabetically named persons are not adjacent to each other.

Three persons stand between H and N, who doesn't stand in the middle of the sides of the table. I stands third to the right of H. N doesn't stand adjacent to I. Three persons stand between R and G, who faces outside the table. G stands third to the left of I, who doesn't stand adjacent to R. More than two persons stand between H and M, when counted from both sides of H. J, who doesn't stand adjacent to H, stands fourth to the right of M. Equal number of persons stand between M and L, when counted from both sides. J faces the same direction as R, who faces the same direction as I. The number of persons standing between Q and K is half of the number of persons standing between O and P, when counted from the left of K and right of O, respectively. One person stands between J and P. K doesn't face the opposite direction of H.

PUZZLE 03

There are seven persons i.e. Sashwat, Harsha, Kartik, Kavita, Mayank, Ritika, and Anish of different designation viz. General, Brigadier, Colonel, Lt. Colonel, Major, Captain, Subedar, and Havaldar where General is the highest designation and Havaldar is lowest designations. Each of them will retire in different years i.e. 2024, 2027, 2028, 2030, 2035, 2038, and 2040 but not necessarily in the same order. The Person on one of the post retired but no information was available of that person.

Mayank was immediate senior to Kavita but was junior to Harsha not immediate and Harsha is a Colonel. Kartik will retire 10 years prior to Kavita. Only one designation is between Kavita and the person who will retire in 2027. Ritika who is a Brigadier will retire in 2035. The Person who is a Subedar will retire at last. More than four persons are junior to Kartik. Mayank will retire neither in 2040 nor in 2030. Neither Sashwat nor Anish is a Lt. Colonel. Harsha will retire before Anish but after Sashwat who is not a Major. Kavita will not retire in 2040. Kartik's designation is above Colonel.

PUZZLE 04

In a building there are certain number of floors, where the ground floor is numbered one and the floor immediately above it is numbered two and so on.

Note-I: Each floor has two type of flats viz., Flat A and Flat-B, where Flat A is to the west of Flat B.

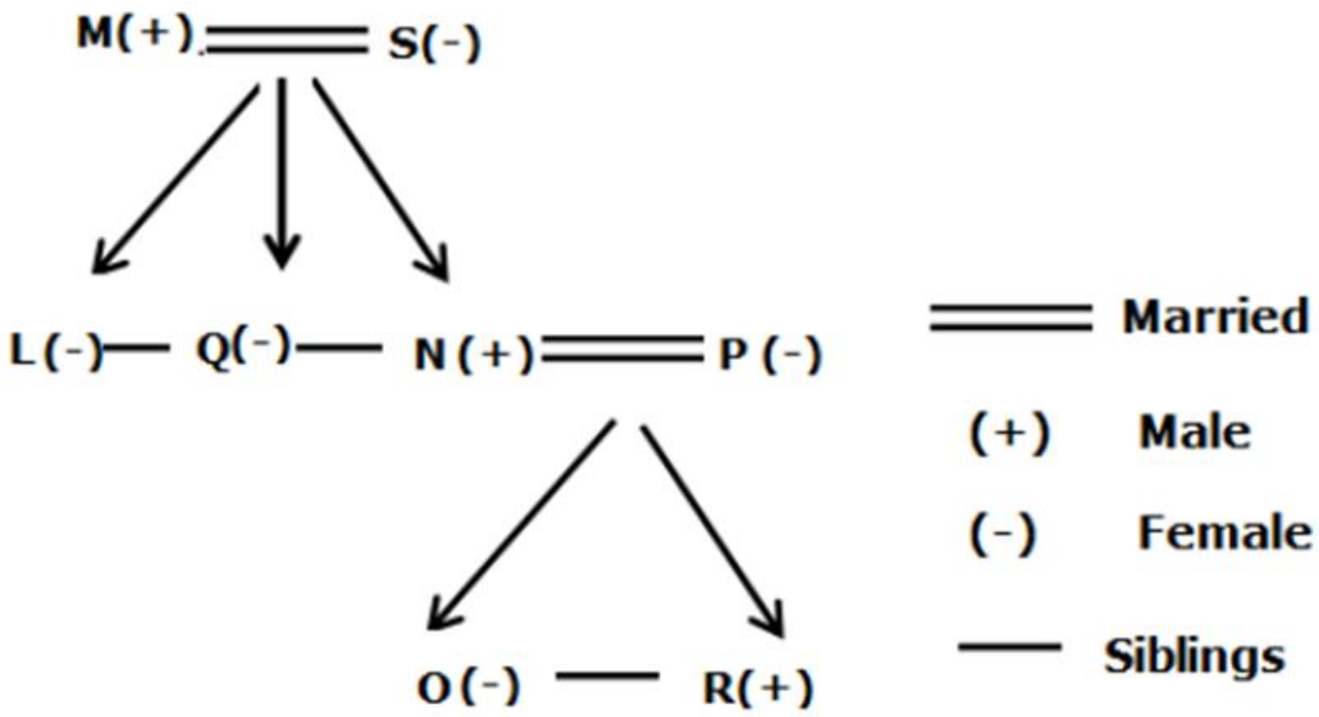
Note-II: Flat B of floor 2 is immediately above Flat B of floor 1 and immediately below Flat B of floor 3 and so on. Similarly, Flat A of floor 2 is immediately above Flat A of floor 1 and immediately below Flat A of floor 3 and so on.

Note-III: The area of each flat on each floor is same.

B lives two floors below W, who lives in Flat A. Only three floors are between U and B, where both are living in different type of flats. The number of floors between W and U is one less than the number of floors between B and S, wholives in different type of flat as B. S lives three floors below T, who neither lives on the same floor with U nor lives below U. No one lives to the east of T. Only five floors are between T and H, who lives on a floor whose number is a perfect square but less than 16. O lives four floors below H, where both are living in the same type of flat. Both B and H neither live on the same floor nor live in the same type of flat. The number of floors below O is two less than the number of floors above N, who lives on a floor whose number is double that of O's floor number. J lives to the east of N but doesn't live in the same type of flat as H.

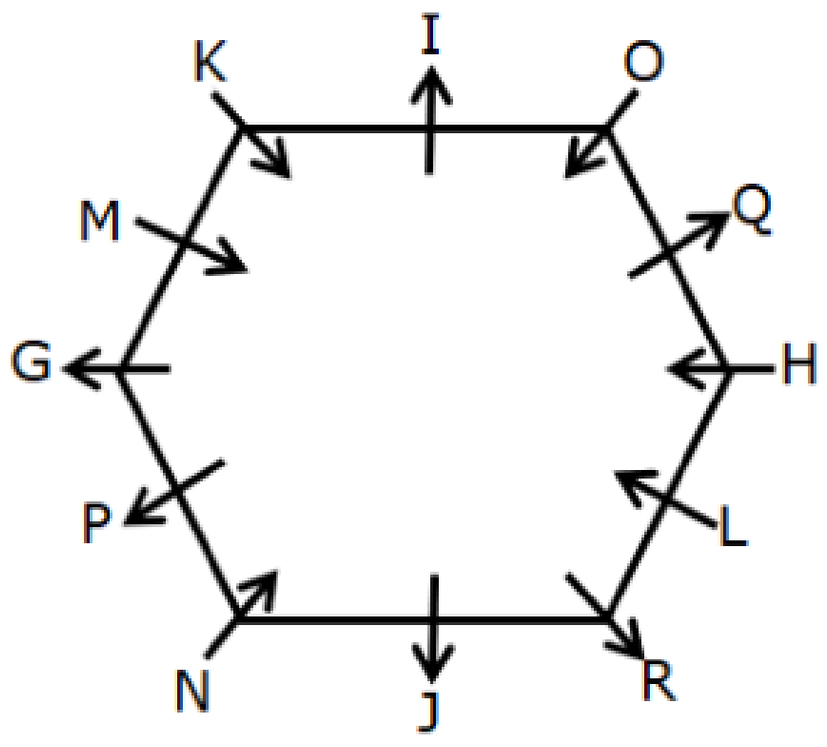
ANSWER

PUZZLE 01



Floor	Person
8	O
7	L
6	Q
5	N
4	R
3	S
2	P
1	M

PUZZLE 02



PUZZLE 03

Designation	Names	Years
General	Kartik	2028
Brigadier	Ritika	2035
Colonel	Harsha	2030
Lt.colonel		
Major	Mayank	2024
Captain	Kavita	2038
Subedar	Anish	2040
Havaldar	Sashwat	2027

PUZZLE 04

Floor no	Flat A	Flat B
16		
15		T
14		
13		
12	S	
11		
10	N	J
09	H	
08		
07	W	
06		
05	O	B
04		
03		
02		
01	U	

INPUT OUTPUT

A number arrangement machine when given an input line of numbers, it performs some mathematical operations in each step .

Input: 67953 72594 34978 95839 29455

Step I: 42815 14436 12856 45727 18325

Step II: 51842 31644 51862 77542 53182

Step III: 16952 12134 22552 25672 14452

Step IV: 40052 3634 14452 32472 16952

Step V: 8500 1263 2544 6742 2965

Step V is the final step of the above input As per the rules followed in the given steps, find appropriate steps for the given input

Input: 75939 64877 53598 65387 79649

1. If all the even digits in each number in step IV are added with each other until it becomes a single digit and then the resultant in each number is multiplied by the first digit of the second lowest number in step V, then what is the sum of the highest and the second lowest number thus formed?

a) 16

b) 40

c) 38

d) 100

e) 88

2. If all the digits are arranged in ascending order from left to right within the numbers in step II and then the digits which are immediately followed by an even number and immediately preceded by an odd number is dropped in each number, then what will be the difference between the third number from the left end and second number from the right end of the numbers thus formed?

a) 2022

b) 1674

c) 1221

d) 100

e) 2307

3. If in step I all the digits in each number are arranged in descending order from the left end then the second digit is added with the second lowest digit in each number, then what is the square value of the second highest number thus formed?

a) 121

b) 100

c) 49

d) 25

e) 144

4. If 1 is added to the even digits and 2 is subtracted from the odd digits of each number in step V and then all the repeated digits in each number are dropped, then what will be the product of the first digit of the highest number and third digit of the fourth lowest number?(consider 0 is an even number)

a) 36

b) 42

c) 21

d) 45

e) 63

5. If the sum of the fifth digit of the third lowest number and the second digit of the third highest number is divided by the sum of the third digit of the second lowest number and the first digit of the lowest number in step III, then the resultant number is added to the square of the second digit of the highest number in step III, then which of the following number is the resultant?

a) 30

b) 18

c) 51

d) 171

e) 149

DATA SUFFICIENCY

Directions (1-5): 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

1) Six persons- A, B, C, D, E, and F are sitting in a row but not necessarily in the same order. Who among the following person sits third from the left end of the row? (all are facing south)

Statement1:E sits second to the right of D. F sits immediate left of D. Neither E nor F sits at end of the table. Only two persons are seated between A and C. C does not sit adjacent to E.

Statement2: Only three persons are seated between B and F. Only one person sits between A and F. C sits immediate left of F. D sits second to the left of E.

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 given in both statements I and II together are not sufficient to answer the question and.

E) If the data in both statements I and II together are necessary to answer the question.

2) There are six boxes-L, M, N, O, P, and Q kept one above another but not necessarily in the same order. How many boxes are kept below Q?

Statement1: The number of boxes that are kept above Box O is the same as below box P. Only one box is kept between P and Q. Box Q is kept below Box M. Box O is kept above Box Q.

Statement2: Box L is kept two boxes above the box which is kept three boxes below Q. Only one box is kept between M and Q. Neither Box M nor Box O is kept below Box L.

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 given in both statements I and II together are not sufficient to answer the question and.

E) If the data in both statements I and II together are necessary to answer the question.

3) What is the direction of point G with respect to point Y?

Statement 1:Point L is north of Point M which is west of Point G. Point Q is east of Point Y. PointY is neither north nor northeast of Point L. Point Q is north-east of Point L and north of G.

Statement 2: Point G is north of Point Q which is west of Point R. Point M is north of Point Y and east of Point N. Point N is north of Point R. Point G is south-west of Point N. Point Y is south-east of Point R.

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 given in both statements I and II together are not sufficient to answer the question and.

E) If the data in both statements I and II together are necessary to answer the question.

ANSWER

INPUT OUTPUT

Directions (1-5):

1) Answer: E

2) Answer: C

3) Answer: B

4) Answer: D

5) Answer: A

Input: 75939 64877 53598 65387 79649

Step I: 35827 24749 15472 30256 63536

Step II: 75382 97442 75142 53620 53366

Step III: 25672 22592 10072 12150 14456

Step IV: 32472 25692 4972 6450 16956

Step V: 6742 4965 897 054 6965

Step I: In this step, the product of the first two digits is written and one is subtracted from the third digit and the product of the last two digits is written in the same order.

Step II: In this step, first odd digits are written in descending order followed by the even digits which are written in descending order for each number in step I.

Step III: In this step, the square of the sum of the second, third and fourth digits of each number is written followed by the first and last digits respectively.

Step IV: In this step, the square of the sum of the second, third and fourth digits of each number is written and then the last two digits are written in the same order.

Step V: In this step, the product of the first and the last digits are written and then the remaining digits are written in descending order.

DATA SUFFICIENCY

1. **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.**
2. **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.**
3. **C) If the data either in statement I alone or in statement II alone are sufficient to answer the question.**

GIVE YOUR FEEDBACK IN COMMENT SECTION