

Quiz Date: 31st May 2020

Directions (1-5): Study the information carefully and answer the questions given below.

Seven persons are living in seven floors building namely J, K, L, M, N, O and P but not necessary in the same order. They belong to different cities of India viz. Shimla, Agra, Meerut, Jaipur, Kanpur, Delhi and Rewa but not necessary in the same order. The ground floor is numbered 1, then the next floor is numbered 2 and till numbered 7. L lives on one of the odd number floors below the floor number 4. The person who lives on 4th floor belongs to Kanpur and L does not belong to Shimla and Delhi. The person who belongs to Meerut lives on an even number floor. There are two persons live between L and K. J belongs to Delhi and lives on an odd numbered floor but not on the lowermost floor. There is only one person lives between K and O who does not belong to Meerut. There are three persons live between the person who belongs to Meerut and the person who belongs to Jaipur. The person who lives on topmost floor does not belong to Shimla. There is only one person lives between L and M who belongs to Rewa and that person lives below the person who belongs to Kanpur. There is only one person lives between P and the person who belongs to Kanpur. P lives below the person who belongs to Kanpur and P does not belong to Jaipur. There are same number of persons who live between K and O and between K and P.

Q1. On which floor does L live?

- (a) Third
- (b) Fourth
- (c) Fifth
- (d) First
- (e) Seventh

Q2. How many floors are below the floor on which N lives?

- (a) Three
- (b) Four
- (c) Five
- (d) Six
- (e) Seven

Q3. Who among the following lives on the second floor when all the persons are arranged alphabetically from top to bottom?

- (a) K
- (b) M
- (c) N
- (d) O
- (e) P

Q4. N belongs to which of the following city?

- (a) Agra
- (b) Shimla
- (c) Kanpur

- (d) Rewa
- (e) Meerut

Q5. Which of the following is true regarding O?

- (a) O belongs to Agra and lives on 4th floor
- (b) O belongs to Shimla and lives on 8th floor
- (c) O belongs to Meerut and lives on 4th floor
- (d) O belongs to Kanpur and lives on 7th floor
- (e) None of these.

Directions (6-8): In each of the questions given below some statements are followed by some conclusions. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

Q6. Statements: Some rock is stone.

All stone is wood.

Only few Marble are rock.

Conclusions:

- I. Some rock is wood.
 - II. Some wood is marble.
 - III. No marble is stone.
- (a) Only II is true
 - (b) Only I is true
 - (c) Only III is true
 - (d) Both I and III is true
 - (e) None of these

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Q7. Statements: All mountain are hill.

Only few mountain is desert.

No beach is mountain.

Conclusions:

- I. Some beach is hill is a possibility.
 - II. All hill is desert is a possibility.
 - III. No desert is hill.
- (a) Only I is true
 - (b) Both I and II is true
 - (c) Only II is true
 - (d) Both II and III is true
 - (e) None of these

Q8. Statements: Some silver is gold.

Some gold is violet.

No metal is gold.

Conclusions:

- I. No violet is metal.
- II. Some silver is not metal.
- III. Some violet is not silver.
- (a) Both I and II is true
- (b) Only I is true
- (c) Only II is true
- (d) Only III is true
- (e) None true

Directions (9-10): Study the information and answer the given questions:

Six persons are sitting around a triangular table, three persons are sitting corners and facing inside while three persons are sitting at three sides facing outside. I sits second to the right of H. E sits second to the right of J. F sits third to the right of G. F is not an immediate neighbour of E. F faces inside.

Q9. Who among the following sits immediate right of H?

- (a) G
- (b) I
- (c) F
- (d) E
- (e) None of these

Q10. Who among the following sits opposite to E?

- (a) J
- (b) F
- (c) H
- (d) G
- (e) None of these

Directions (11-15): Study the following information carefully and answer the given questions.

A word and number arrangement machine when given an input line of words and numbers rearranges them following a particular rule in each step. The following is an illustration of input and rearrangement.

Input: 30 update 56 record 27 economic 23 trending 20 power 15 approval.

Step I: 20 30 update 56 record economic 23 trending power 15 approval 27.

Step II: power 20 30 56 record economic 23 trending 15 approval 27 update.

Step III: 30 power 20 56 record economic trending 15 approval 27 update 23.

Step IV: record 30 power 20 56 trending 15 approval 27 update 23 economic.

Step V: 56 record 30 power 20 trending approval 27 update 23 economic 15.

Step VI: trending 56 record 30 power 20 27 update 23 economic 15 approval.

Step VI is the last step of the above arrangement.

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

Input: 48 opinion 66 gallery 89 injury 77 monsoon 22 decide 35 eclipse.

Q11. Which of the following element is 3rd to the right of the of the 5th from the left end in step III?

- (a) eclipse
- (b) 35
- (c) 89
- (d) decide
- (e) None of these

Q12. What is the position of the word 'monsoon' in step IV?

- (a) 3rd from right
- (b) 4th from right
- (c) 5th from left
- (d) 6th from left
- (e) None of these

Q13. What is the sum of the element which is second from the left of the step II and Sixth from right in step IV?

- (a) 75
- (b) 57
- (c) 60
- (d) 34
- (e) None of these

Q14. Which of the following element is exactly between 'decide' and '77' in step V?

- (a) Eclipse
- (b) Monsoon
- (c) 89
- (d) Opinion
- (e) None of these

Q15. Which of the following element is seventh from the right in step II?

- (a) gallery
- (b) 77
- (c) injury
- (d) monsoon
- (e) None of these



Solutions

Solutions (1-5):

Sol.

Floors	Persons	Cities
7	J	Delhi
6	O	Jaipur
5	N	Shimla
4	K	Kanpur
3	M	Rewa
2	P	Meerut
1	L	Agra

S1. Ans.(d)

S2. Ans.(b)

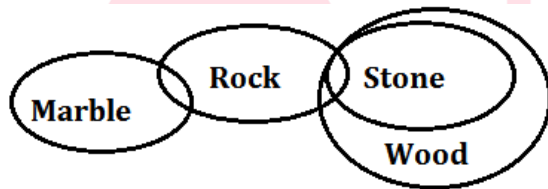
S3. Ans.(d)

S4. Ans.(b)

S5. Ans.(e)

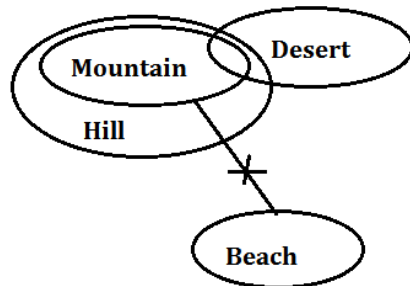
S6. Ans.(b)

Sol.



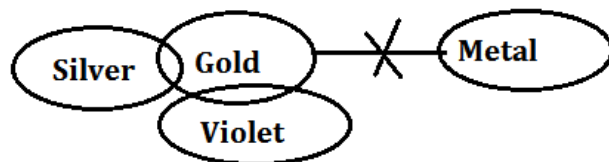
S8. Ans.(a)

Sol.



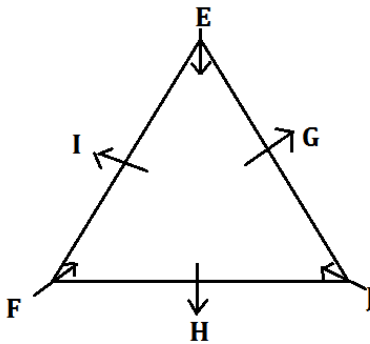
S8. Ans.(c)

Sol.



Solution (9-10):

Sol.



S9. Ans.(c)

S10. Ans.(c)

Solution (11-15):

Students let us understand the Logic behind this Question and let's understand how to solve it. As a first step let's first understand the logic behind the Output. If you will see the final output, you will observe the following:

(i) The words and numbers are arranged in alternatively in every step starting from the numbers.

(ii) Two words/number are arranged in each step. Even numbers are arranged at the leftmost end in increasing order (smallest number is arranged first followed by the next smaller number and so on) while the odd numbers are arranged at the rightmost end in decreasing order in each alternate step.

(iii) The words starting with a consonant is are arranged at the left most end in increasing alphabetical order (cold is arranged before delicate) while the words starting with a vowel are arranged at the rightmost end in decreasing alphabetical order in each step.

Input: 48 opinion 66 gallery 89 injury 77 monsoon 22 decide 35 eclipse.

Step I: 22 48 opinion 66 gallery injury 77 monsoon decide 35 eclipse 89.

Step II: decide 22 48 66 gallery injury 77 monsoon 35 eclipse 89 opinion.

Step III: 48 decide 22 66 gallery injury monsoon 35 eclipse 89 opinion 77.

Step IV: gallery 48 decide 22 66 monsoon 35 eclipse 89 opinion 77 injury.

Step V: 66 gallery 48 decide 22 monsoon eclipse 89 opinion 77 injury 35.

Step VI: monsoon 66 gallery 48 decide 22 89 opinion 77 injury 35 eclipse.

S11. Ans.(b)

S12. Ans.(d)

S13. Ans.(b)

S14. Ans.(a)

S15. Ans.(c)



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