

Quiz Date: 5th May 2020

Directions (1-5): **Study the following information to answer the given questions.** Six ministers L, M, N, O, P and R—are sitting around a circular table facing towards the centre. They are from different states viz. MP, NP, NL, PM, NRO and LO but not necessarily in the same order. Each of them likes a different food items viz. Ginger, Mango, Tomato, Lemon, Spinach and Potato, but not necessarily according to the order given. The persons who are from MP, NL, and LO like neither Ginger nor Mango. The persons who like Tomato and Spinach are neither from MP nor NL. M is from NL while R is not from MP. The one who is from NRO is to the immediate right of the person who likes Ginger but on the immediate left of the person who is from NL. L does not like Ginger and is not on the immediate left of the person who is from PM. The one who is from MP is sitting opposite to the person who likes Potato while the person who likes Tomato is on the immediate left of the person who is from LO. The only person who is sitting between P and R and that person is from NP. The person who is sitting on the immediate left of the person who likes Ginger is not from NRO. O is from PM and he likes Tomato. O is facing the person who is from NP. P is from MP.

Q1. Who among the following likes Ginger?

- (a) L
- (b) M
- (c) N
- (d) P
- (e) None of these

Q2. The only person who is sitting between P and O likes which of the following food items (Count to the left of P)?

- (a) Lemon
- (b) Potato
- (c) Mango
- (d) Spinach
- (e) None of these

Q3. Who among the following is from LO?

- (a) M
- (b) O
- (c) N
- (d) P
- (e) None of these

Q4. Which of the following is correctly matched?

- (a) L—Spinach—LO
- (b) M—Lemon—NL
- (c) P—Lemon—NL
- (d) R—Mango—LO
- (e) None of these



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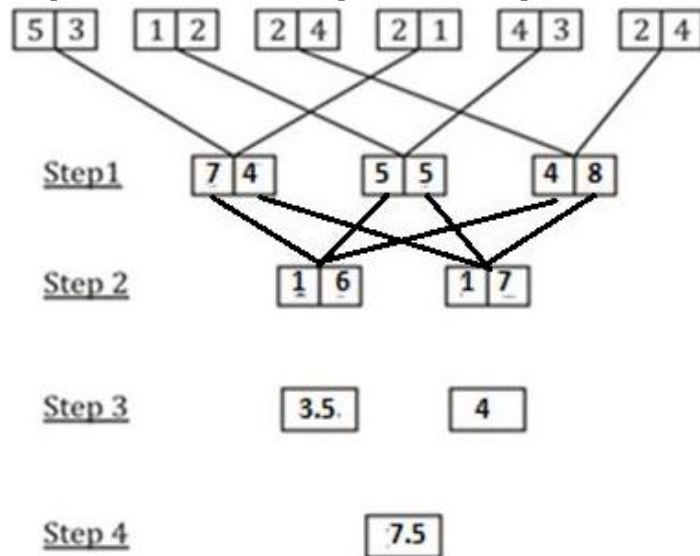
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Q5. The person who is form NRO likes which of the following food items?

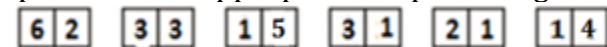
- (a) Lemon
- (b) Spinach
- (c) Potato
- (d) Mango
- (e) None of these

Directions (6-10): **Study the given information carefully and answer the given questions.**

An input-output is given in different steps. Some mathematical operations are done in each step. No mathematical operation is repeated in next step.



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.



Q6. What is the addition of the two numbers obtained in step 2?

- (a) 32
- (b) 30
- (c) 28
- (d) 39
- (e) None of these

Q7. What is the difference between sum of all the digits of the first block and sum of all the digits of the second block of step 1?

- (a) 13
- (b) 7
- (c) 4
- (d) 3.5
- (e) None of these

Q8. What is the multiplication of the numbers obtained in step 3?

- (a) 4
- (b) 62
- (c) 12.25
- (d) 6
- (e) None of these

Q9. What is the average of all the numbers of step 2?

- (a) 18
- (b) 19
- (c) 15
- (d) 16
- (e) none of these

Q10. What is the average of all the odd numbers of all the steps (1,2,3&4)?

- (a) 18
- (b) 27.20
- (c) 29.25
- (d) 26
- (e) 32.75

Directions (11-15): In each of the questions below are given two/three statements followed by two conclusions numbered I and II. You have to take the given statements to be true even if they seem to be at variance with 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. Give answer

Q11. **Statements:**

All Plugs are Wire.

Only a few Switch are Plugs.

Some Buttons are Switch.

Conclusion:

I. Some Buttons are Plugs.

II. All wire are switch is a possibility

- (a) If only conclusion I follows.
- (b) If only conclusion II follows.
- (c) If either conclusion I or conclusion II follows.
- (d) If neither conclusion I nor conclusion II follows.
- (e) If both conclusion I and conclusion II follow.

Q12. **Statements:**

Only Samsung are Lenovo.

No Samsung is Lava.

Some Moto are Samsung.

Conclusion:

- I. Some Lenovo is Moto is a possibility
II. Some Lava is Moto is a possibility.
(a) If only conclusion I follows.
(b) If only conclusion II follows.
(c) If either conclusion I or conclusion II follows.
(d) If neither conclusion I nor conclusion II follows.
(e) If both conclusion I and conclusion II follow.

Q13. Statements:

Only a few rooms are chairs.
All rooms are tables.
All tables are fans.

Conclusion:

- I. Some fans are Chair.
II. All Tables are chair is a possibility.
(a) If only conclusion I follows.
(b) If only conclusion II follows.
(c) If either conclusion I or conclusion II follows.
(d) If neither conclusion I nor conclusion II follows.
(e) If both conclusion I and conclusion II follow.

Q14. Statements:

Some shirts are Pants.
Some Pants are ties.
No pant is bag.

Conclusion:

- I. Some ties are Bags.
II. Some ties are not bags.
(a) If only conclusion I follows.
(b) If only conclusion II follows.
(c) If either conclusion I or conclusion II follows.
(d) If neither conclusion I nor conclusion II follows.
(e) If both conclusion I and conclusion II follow.

Q15. Statements:

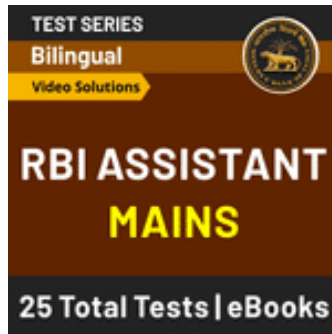
Only Tree are Root.
Only a few Trees are Leaves.
No Leaves are Plant.

Conclusion:

- I. Some Plant is Roots is a possibility.
II. All Leaves are Tree is a possibility.
(a) If only conclusion I follows.
(b) If only conclusion II follows.
(c) If either conclusion I or conclusion II follows.
(d) If neither conclusion I nor conclusion II follows.
(e) If both conclusion I and conclusion II follow.

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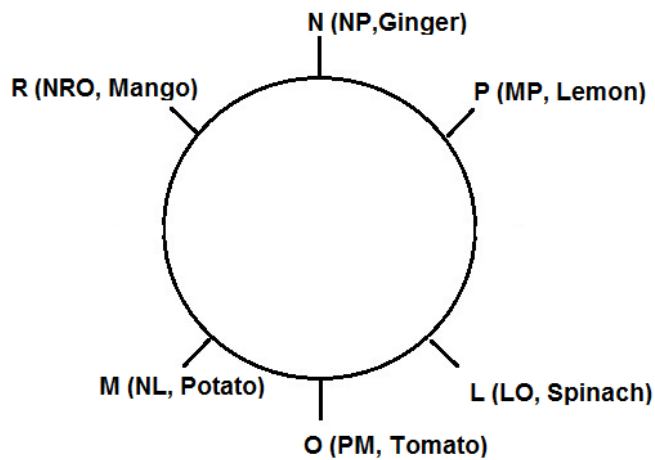
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Solutions

Solutions (1-5):

Sol.



S1. Ans.(c)

S2. Ans.(d)

S3. Ans.(e)

S4. Ans.(a)

S5. Ans.(d)

Solutions (6-10)

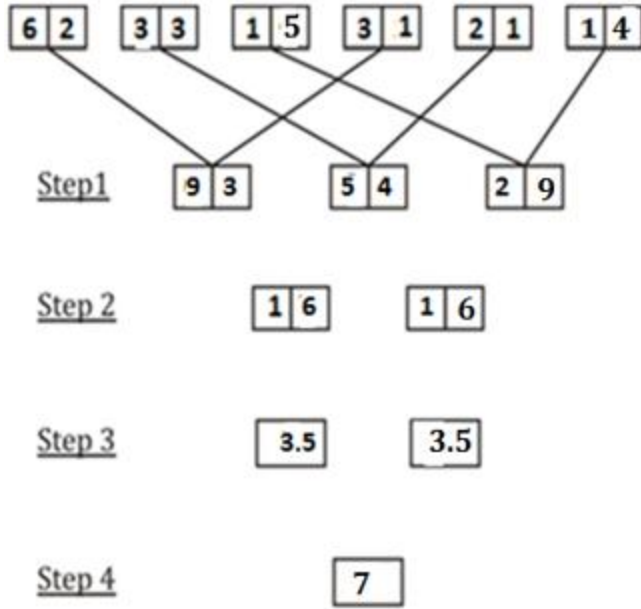
Sol. **For step-I**, both the digits of 1st block is written as, 1st digit of block-1 of the Input is added with 1st digit of block-4 of the Input same as 2nd digit of block-1 is added with 2nd digit of block-4. This process is same for Block-2 and Block-3 in step-1.

For step-II, All 1st digit of each block is added and that sum is written in 1st block and all 2nd digit of each block is added and that sum is written as 2nd block.

For step-III, Half of the addition of 1st and 2nd digit of each block.

For Step- IV, Sum of both numbers of Step-3.

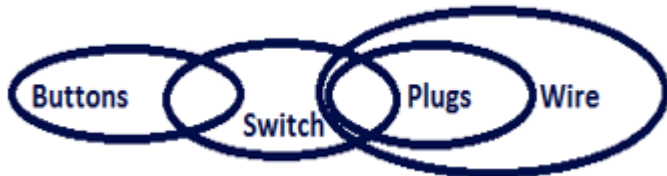
So,



- S6. Ans. (a)
- S7. Ans. (e)
- S8. Ans. (c)
- S9. Ans. (d)
- S10. Ans. (b)

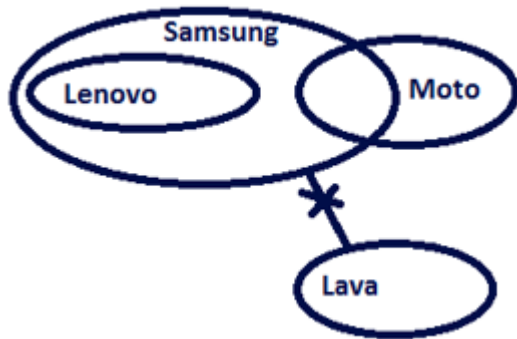
Solutions (11-15):

S11. Ans.(b)



Sol.

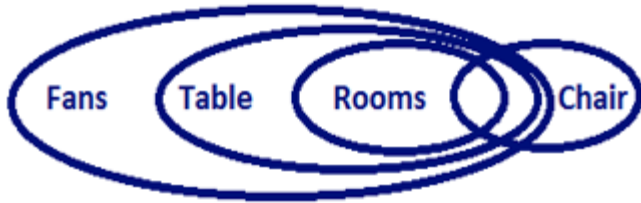
S12. Ans.(b)



Sol.

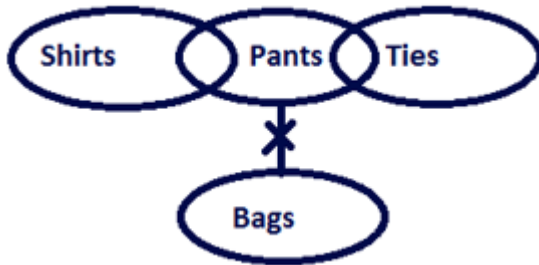
S13. Ans.(a)





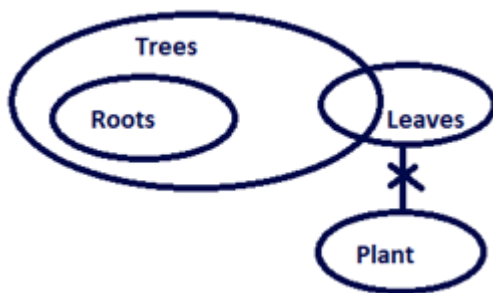
Sol.

S14. Ans.(b)



Sol.

S15. Ans.(b)



Sol.

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