

Quiz Date: 6th July 2020

Directions (1-5) Study the following information carefully and answer the question given below.

Eight persons E, F, G, H, P, Q, R and S are sitting around a square table in such a way that four of them sit at four corners facing towards center and like some fruits, and rest four who sits at the middle of the side, are facing outside and likes some colours. One of the person in the group likes blue colour. Only two persons sit between G and P who like yellow colour. The one who likes grapes sits third to the left of the one who likes green colour. E likes apple and sits second to the right of the one who sits third to the left of Q. The one who likes grapes is not an immediate neighbour of P. The one who likes white colour sits immediate right of the one who likes banana. Q does not like green colour. H sits second to the left to the one who likes Guava who sits third to the right of S. R likes a colour.

Q1. Who sits exactly between the one who sits second to the left of the one who likes banana and F?

- (a) S
- (b) G
- (c) The one who likes yellow colour
- (d) H
- (e) The one who likes blue colour

Q2. Four of the following five are alike in a certain way based on their seating positions in the above arrangement and so form a group. Who among the following does not belong to that group?

- (a) E
- (b) S
- (c) The one who likes guava
- (d) The one who likes grapes
- (e) G

Q3. What is the position of R with respect to the one who likes white colour?

- (a) Third to the left
- (b) Immediate right
- (c) Second to the left
- (d) Third to the right
- (e) Immediate left

Q4. How many persons sit between H and the one who likes guava when counted right from H?

- (a) None
- (b) One
- (c) Two
- (d) Three
- (e) Four

Q5. Who sits opposite to the one who likes green colour?

- (a) The one who likes white colour
- (b) E
- (c) The one who likes yellow colour
- (d) R
- (e) F

Directions (6-10): 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 : stars 66 37 monsoon 19 wonder 53 inside 48 26 amount night

Step I : amount stars 37 monsoon 19 wonder 53 inside 48 26 night 65.

Step II : inside amount stars37 monsoon 19 wonder 48 26 night 65 54.

Step III : monsoon inside amount stars 37 19 wonder 26 night 65 54 47.

Step IV : night monsoon inside amount stars 19 wonder 26 65 54 47 38.

Step V : stars night monsoon inside amount 19 wonder 65 54 47 38 25.

Step VI : wonder stars night monsoon inside amount 65 54 47 38 25 20.

And step VI is the last step of the arrangement.

As per the above rule followed in the above steps, find out in each of the following questions the appropriate step for the input given below;

Input: longer 57 24 suffer 74 trunk 35 without 89 42 rapid further

Q6. Which Step number would be the following output?

trunk suffer rapid longer further 24 without 90 73 58 41 36.

- (a) III
- (b) IV
- (c) VI
- (d) V
- (e) II

Q7. How many steps would be needed to complete the arrangement?

- (a) VI
- (b) V
- (c) IV
- (d) VII
- (e) None of these

Q8. Which of the following would be the step III?

- (a) rapid longer further 24 suffer trunk 35 without 42 90 73 58.
- (b) longer further 57 24 suffer trunk 35 without 42 rapid 90 73.
- (c) rapid longer further 23 suffer trunk 35 without 41 90 73 58.
- (d) further longer 57 24 suffer 74 trunk 35 without 42 rapid 90.
- (e)None of these

Q9. In step VI, 'suffer' is related to '41' and 'longer' is related to '73'. In the same without 'rapid' is related to?

- (a) 23
- (b) 36
- (c) 90
- (d) 58
- (e) 73

Q10. In step V, which of the following word/number would be on the 5th position (from the right)?

- (a) 73
- (b) without
- (c) 90
- (d) further
- (e) longer

Directions (11-14): Each of these questions is based on the following information:

- (i) A % B means A is the daughter of B.
- (ii) A @ B means A is the mother of B.
- (iii) A \$ B means A is the father of B.
- (iv) A * B means A is the son of B.
- (v) A © B means A is brother of B
- (vi) A # B means A is Son in law of B

Q11. Which of the following shows the relation that T is sister in law of Y?

- (a) T @ P * Z © J % Q \$ Y
- (b) Q % Z @ T * Y
- (c) Y @ T © J \$ P % Q
- (d) Y @ Z © E % T * Q
- (e) None of these

Q12. Who among the following is M's niece in this relation- 'N \$ E @ J % R © M'? (Both D and Q have only one child)

- (a) N
- (b) E
- (c) J
- (d) R
- (e) Can't be determine

Q13. If the expression 'C # P # D \$ Q @ M' true, then which of the following is true?

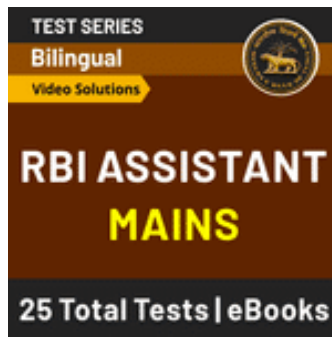
- (a) P is aunt of C
- (b) Q is mother in law of C
- (c) D is grandmother of C
- (d) P is wife of Q
- (e) None is true

Q14. If the expression 'W * R @ D % T © K \$ Y' true, then which of the following is false?

- (a) T is uncle of Y
- (b) D is daughter of R
- (c) R is aunt of Y
- (d) T is brother in law of K
- (e) All are true

Q15. A man says to a lady, "Your father is the father in law of my father's only child." How is the lady related to the man?

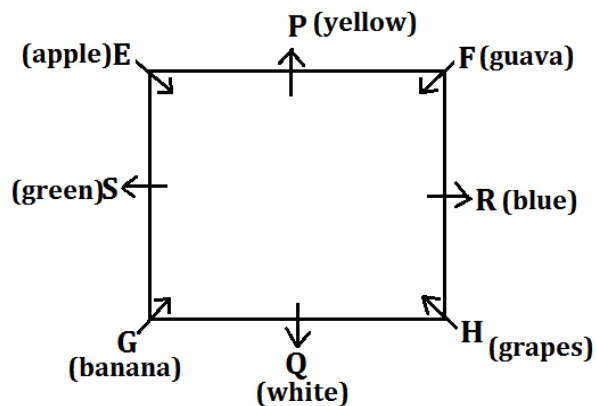
- (a) Sister-in-law
- (b) Granddaughter
- (c) Wife
- (d) Daughter
- (e) None of these



Solutions

Solutions (1-5):

Sol.



- S1. Ans.(c)
- S2. Ans.(b)
- S3. Ans.(c)
- S4. Ans.(b)
- S5. Ans.(d)

Solutions (6-10):

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

(i) For words - All the words are arranged in alphabetical series in descending order from left to right. That means the word which comes first in alphabetical series arranges first and so on till the last word arranges.

(ii) For numbers - The resultant number in each step of input is obtained by adding 1 if, the number is an odd number and subtracting 1 if, the number is an even number as per the given input. Thus, the numbers are arranged in descending order (highest number arranged first in step-1). The largest number arranges first, followed by the second largest and so on till the smallest number which is arranged at the right end.

Input: longer 57 24 suffer 74 trunk 35 without 89 42 rapid further

Step I: further longer 57 24 suffer 74 trunk 35 without 42 rapid 90.

Step II: longer further 57 24 suffer trunk 35 without 42 rapid 90 73.

Step III: rapid longer further 24 suffer trunk 35 without 42 90 73 58.

Step IV: suffer rapid longer further 24 trunk 35 without 90 73 58 41.

Step V: trunk suffer rapid longer further 24 without 90 73 58 41 36.

Step VI: without trunk suffer rapid longer further 90 73 58 41 36 23.

S6. Ans. (d)

S7. Ans. (a)

S8. Ans. (a)

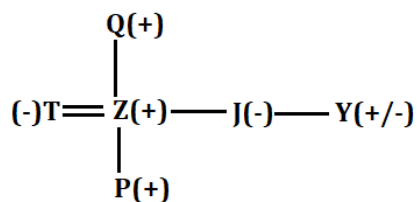
S9. Ans. (d)

S10. Ans. (c)

Solutions (11-14):

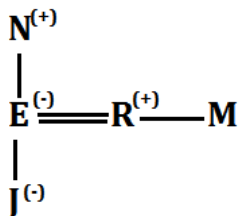
S11. Ans(a)

Sol.



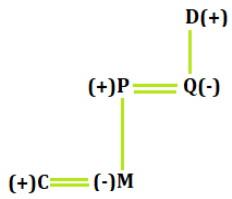
S12. Ans(c)

Sol.



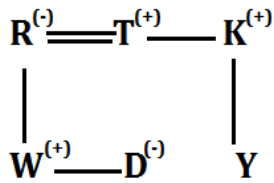
S13. Ans(b)

Sol.



S14.Ans.(d)

Sol.



S15.Ans.(c)

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