

Quiz Date: 18<sup>th</sup> May 2020

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

Eight employee B, D, L, K, P, H, R, and G work in call center and are sitting around a square table. They receive different number of phone calls (per day). The one who sit at the corner of table, receive call which is multiple of two and the one who sit at middle of the side receive call which is a multiple of 3. The one who sits immediate right of R receive 46 calls. R faces the one who receive 15 calls. The one who receive 39 calls, sits 3<sup>rd</sup> left of L who does not receive 46 calls. D sits immediate left of the one who sits immediate left of the one who receive 15 calls. L is not immediate neighbor of D. G sits diagonally opposite to P who receive 14 calls. The one who receive 21 calls sits immediate left of the one who receive 14 calls. K is immediate neighbor of G. H does not receive 46 calls. The immediate neighbor of H receives 20 calls. The one who receive 27 calls sits 2<sup>nd</sup> right of H. The addition of the number of calls received by G and D is 61.

Q1. Who sits 2<sup>nd</sup> right of D?

- (a) P
- (b) H
- (c) K
- (d) R
- (e) B

Q2. Who among the following receive 46 calls?

- (a) G
- (b) D
- (c) L
- (d) H
- (e) B

Q3. How many persons sit between the one who receive 21 calls and R, when counted left to R?

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

Q4. Who among the following sits at middle of the side?

- (a) K
- (b) G
- (c) P
- (d) L
- (e) B

Q5. Who sits immediate right of R?



- (a) P
- (b) L
- (c) D
- (d) B
- (e) None of these

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

When a word and number arrangement 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 its rearrangement.

Input: 24 Inbox 11 Starred 48 Draft 31 Sent 23 Mail 72 Spam

Step I: starred 24 Inbox 48 Draft 31 Sent 23 Mail 72 Spam 11

Step II: draft starred 24 Inbox 48 31 Sent Mail 72 Spam 11 23

Step III: mail draft starred Inbox 48 31 Sent 72 Spam 11 23 24

Step IV: spam mail draft starred Inbox 48 Sent 72 11 23 24 31

Step V: inbox spam mail draft starred Sent 72 11 23 24 31 48

Step VI: sent inbox spam mail draft starred 11 23 24 31 48 72

Step VI, is the last step of the above arrangement as the intended arrangement is obtained. As per the rules followed in the given steps find out the appropriate steps for the given input.

Input :- 35 Odisha 22 Mizoram 57 Meghalaya 68 Manipur 79 Delhi 46 Uttarakhand

Q6. Which element is exactly between 'Delhi' and 'Uttarakhand' in step III of the given arrangement?

- (a) Mizoram
- (b) 57
- (c) 79
- (d) 68
- (e) None of the above

Q7. Which element is 6<sup>th</sup> to the right of the one which is 4<sup>th</sup> from the left end in step I?

- (a) 35
- (b) 68
- (c) 22
- (d) 46
- (e) None of these

Q8. In which of the following step the elements " 79 Uttarakhand 22" found in the same order?

- (a) Step I
- (b) Step IV
- (c) Step III
- (d) Step II
- (e) no such step

Q9. What is the difference between the element which is sixth from left in Step IV and first from right in Step II?

- (a) 32
- (b) 39
- (c) 34
- (d) 33
- (e) none of these

Q10. In step V, 'Manipur' is related to '79' and 'Delhi' is related to '22'. In the same way 'Odisha' is related to?

- (a) Meghalaya
- (b) 46
- (c) 57
- (d) 22
- (e) Uttarakhand

**Directions (11-15):** Some statements are given followed by some conclusions. You have to consider the statements to be true even if they seem to be at variance from commonly known facts. You have to decide which of the following conclusions follow from the given statements:

**Q11. Statements:** Only a few cotton are silk.

All silk are rayon.  
No silk are polyester

**Conclusions:** I. All polyester is cotton is a possibility  
II. No rayon is polyester

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

**Q12. Statements:** Some bunny is easter.

No easter is a egg.  
Only a few egg are hidden

**Conclusions:** I. all hidden is easter is a possibility  
II. some bunny is hidden is a possibility

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

**Q13. Statements:** Only a few Brown are green.

Some green are yellow

Atleast yellow are white

**Conclusions:** I. Some white is brown  
II. No brown is white

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

**Q14. Statements:** Only Guava are Apple.  
Only a few Guava are Cherry.  
No Cherry are Mango

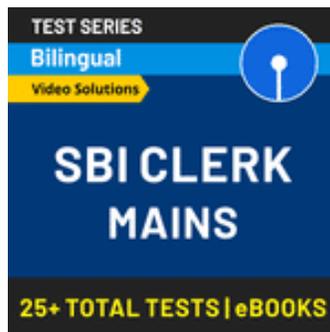
**Conclusions:** I. No mango is guava  
II. some guava is not mango is a possibility

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

**Q15. Statements:** Only a few game are hobby  
No hobby are cricket  
All player are cricket

**Conclusions:** I. All hobby is game is a possibility  
II. No player is hobby

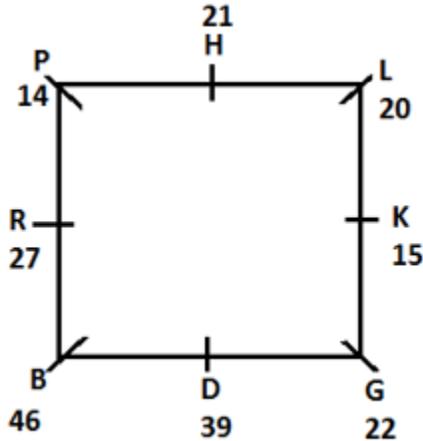
- (a) If only conclusion I follows.
- (b) If only conclusion II follows.
- (c) If either conclusion I or II follows.
- (d) If neither conclusion I nor II follows.
- (e) If both conclusions I and II follow.



## Solutions

Solutions (1-5):

Sol.



S1.Ans.(c)

S2.Ans.(e)

S3.Ans.(b)

S4.Ans.(a)

S5.Ans.(d)

Solutions (6-10)

Sol.

**In this input output question only one word and one number is arranged in each step.**

Let us understand the logic behind it- In each step the words and numbers are arranged simultaneously.

**For words-** the words are arranged according to sum of the place value of first and the last letter in alphabetical series. The word having lowest value (sum of first and last letter) is arranged first and then the rest of the words are arranged in increasing order. words are arranged at left end.

**For numbers-** the numbers are arranged in increasing order at right most end.

Input :- 35 Odisha 22 Mizoram 57 Meghalaya 68 Manipur 79 Delhi 46 Uttarakhand

Step I: Delhi 35 Odisha Mizoram 57 Meghalaya 68 Manipur 79 46 Uttarakhand 22

Step II: Meghalaya Delhi Odisha Mizoram 57 68 Manipur 79 46 Uttarakhand 22 35

Step III: Odisha Meghalaya Delhi Mizoram 57 68 Manipur 79 Uttarakhand 22 35 46

Step IV: Uttarakhand Odisha Meghalaya Delhi Mizoram 68 Manipur 79 22 35 46 57

Step V: Mizoram Uttarakhand Odisha Meghalaya Delhi Manipur 79 22 35 46 57 68

Step VI: Manipur Mizoram Uttarakhand Odisha Meghalaya Delhi 22 35 46 57 68 79

S6. Ans. (d)

S7. Ans. (d)

S8. Ans. (c)

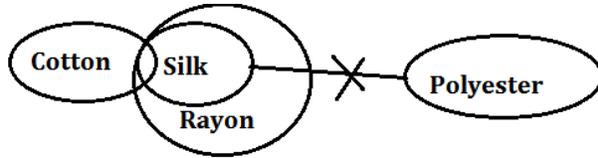
S9. Ans. (d)

S10. Ans. (b)

**Solution (11-15):**

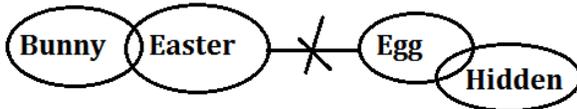
S11. Ans.(a)

Sol.



S12. Ans.(b)

Sol.



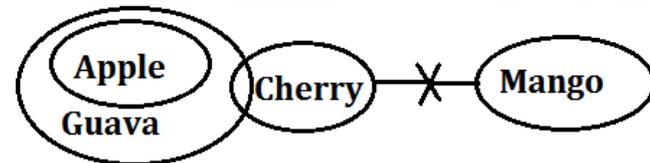
S13. Ans.(c)

Sol.



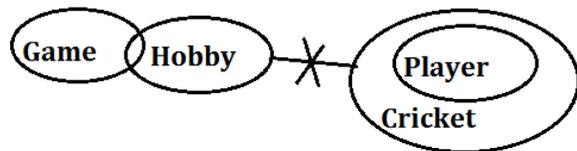
S14. Ans.(d)

Sol.



S15. Ans.(e)

Sol.



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