

Quiz Date: 11<sup>th</sup> April 2020

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

Ten persons are sitting in row facing either north or south. Persons sitting at both the ends face same direction as G. F and B are immediate left to each other. The one who likes brown sits at one of the ends. The number of persons sitting between B and J is same as between E and J. H, who likes purple does not sit at any end. At least three persons sit between the one who likes black and the one who likes yellow. The one who likes red sits 3<sup>rd</sup> to the left of J, who faces south. Two persons sit between the one who likes brown and A. The one who likes yellow faces same direction as the one who likes blue. I sits at one of the ends but does not like brown. Two persons sit between A and J. The one who likes blue sits 2<sup>nd</sup> to the right of the one who likes magenta. Equal number of persons sit between the ones who like black and pink and the one who likes pink and white. G likes green but does not sit next to the one who likes brown. Five persons sit between F and D. D is neighbor of the one who likes red. A and H face same direction but opposite to D. The one who likes magenta sits 4<sup>th</sup> from one of the ends. The one who likes white faces south. Not more than two persons facing same direction sit next to each other. C does not like yellow. D is facing opposite direction as B.

Q1. Which of the following color does D like?

- (a) red
- (b) yellow
- (c) pink
- (d) black
- (e) none of these

Q2. What is the position of F with respect to E?

- (a) 3<sup>rd</sup> to the left
- (b) 3<sup>rd</sup> to the right
- (c) 4<sup>th</sup> to the left
- (d) 5<sup>th</sup> to the right
- (e) none of these

Q3. Which of the following statement is true regarding the arrangement?

- (a) E sit to the left of I
- (b) F sits 3<sup>rd</sup> from one of the ends
- (c) C does not like red
- (d) B likes magenta
- (e) none of these

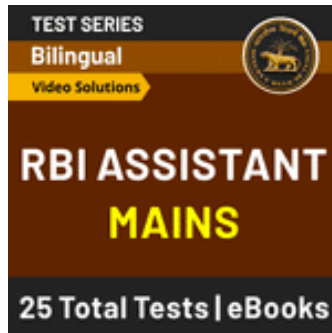
Q4. Four of the following belongs to a group find the one that does not belong to that group?

- (a) G
- (b) F
- (c) C

- (d) B
- (e) I

Q5. Who among the following likes pink?

- (a) E
- (b) F
- (c) C
- (d) B
- (e) none of these



Directions (6-7): In each question below is given a statement followed by two courses of action numbered I and II. A course of action is a step or administrative decision to be taken for improvement, follow - up or further action in regard to the problem, policy etc on the basis of the information given in the statement. You have to assume everything in the statement to be true. Then decide which of the two given suggested courses of action logically follows for pursuing. Give answer:

Q6. Statement: It is reported that though Vitamin E present in fresh fruits and fresh vegetables is beneficial for human body, capsule Vitamin E does not have same effect on human body.

Courses of Action:

- I. The sale of capsule Vitamin E should be banned.
  - II. People should be encouraged to take fresh fruits and fresh vegetables to meet the body requirement of Vitamin E.
- (a) If only I follows
  - (b) If only II follows
  - (c) If either I or II follows
  - (d) If neither I nor II follows.
  - (e) If both I and II follow

Q7. Statement: India has been continuously experiencing military threats from its neighbouring countries.

Courses of Action:

- I. India should engage into an all-out war to stop the nagging threats.
  - II. India should get the neighbours into a serious dialogue to reduce the tension at its borders.
- (a) If only I follows

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

Directions (8-9): **Read the following information and answer the questions given below.**

Seven members L, M, N, O, P, Q and R are standing in a row (not necessarily in the same order) facing to north direction. N and M have as many members between them as R and N have between them. O sits 3rd from the extreme left end. O sits 3rd to the left of P and immediate neighbour of L. Q is an immediate neighbour of N. R is at extreme left end.

Q8. Who among the following stands third to the right of O?

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

Q9. Who among the following sits at one of the extreme ends?

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

Q10. In which of the following expressions, 'M < N' and 'O ≠ G' are definitely true?

- (a)  $O < K > G < M = B \geq N$
- (b)  $O > K > G = M < B \leq N$
- (c)  $O = K < G > M > B \leq N$
- (d)  $O = K < G = M \leq B = N$
- (e)  $O = K < G = M > B = N$

Directions (11-15): **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: 25 Inbox 11 Starred 48 Draft 31 Sent 23 Mail**

Step I: Draft 25 Inbox Starred 48 31 Sent 23 Mail 11

Step II: 23 Draft 25 Starred 48 31 Sent Mail 11 Inbox

Step III: Mail 23 Draft 25 Starred 48 Sent 11 Inbox 31

Step IV: 25 Mail 23 Draft Starred 48 11 Inbox 31 Sent

Step V: Starred 25 Mail 23 Draft 11 Inbox 31 Sent 48

Step V: 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 56 Meghalaya 58 Manipur 61 Assam 62 Uttarakhand**

Q11. Which element is exactly between 'Assam' and 'Uttarakhand' in step III of the given arrangement?

- (a) Mizoram
- (b) 58
- (c) 51
- (d) 22
- (e) None of the above

Q12. Which element is 6<sup>th</sup> to the right of the one which is 4<sup>th</sup> from left in step I?

- (a) 35
- (b) 62
- (c) 22
- (d) 56
- (e) None of these

Q13. In which of the following step the elements "Mizoram 58 61" found in the same order?

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

Q14. What is the difference between the element which is sixth from left in Step IV and 2<sup>nd</sup> from right in Step II?

- (a) 32
- (b) 19
- (c) 40
- (d) 46
- (e) None of these

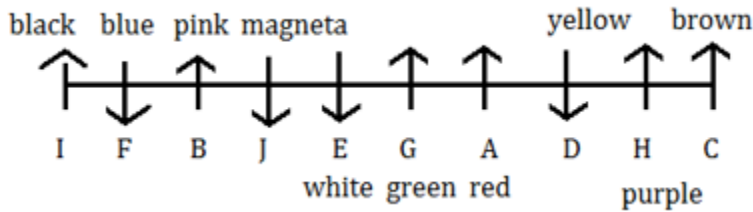
Q15. In step VI, 'Uttarakhand' is related to '61' and '62' is related to 'Odisha'. In the same way 'Manipur' is related to?

- (a) 35
- (b) None of these
- (c) 56
- (d) 22
- (e) Uttarakhand

**Solutions**

**Solutions (1-5):**

**Sol.**



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

S6. Ans.(b)

Sol. I is illogical because Vitamin E capsule is also useful even if less effective. Action II is more useful and effective.

S7. Ans.(b)

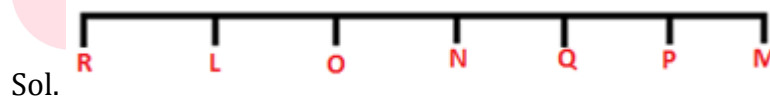
Sol. War cannot be an answer to such problems, but dialogue can.

S8. Ans.(b)



Sol.

S9. Ans.(d)



Sol.

S10. Ans.(b)

Sol. By using option (b) in the statement, we can see that 'M<N' and 'O≠G' are definitely true.

**Solutions (11-15):**

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 a word and a number is arranged simultaneously

For words- they are arranged in alphabetical order in odd steps they are arranged at left end and in even steps they are arranged at right end.

For numbers- they are arranged in increasing order of the difference between the two digits. In odd step the number is arranged at right end and in even step they are arranged at left end.

Input :- 35 Odisha 22 Mizoram 56 Meghalaya 58 Manipur 61 Assam 62 Uttarakhand  
Step I: Assam 35 Odisha Mizoram 56 Meghalaya 58 Manipur 61 62 Uttarakhand 22  
Step II: 56 Assam 35 Odisha Mizoram Meghalaya 58 61 62 Uttarakhand 22 Manipur  
Step III: Meghalaya 56 Assam Odisha Mizoram 58 61 62 Uttarakhand 22 Manipur 35  
Step IV: 58 Meghalaya 56 Assam Odisha 61 62 Uttarakhand 22 Manipur 35 Mizoram  
Step V: Odisha 58 Meghalaya 56 Assam 61 Uttarakhand 22 Manipur 35 Mizoram 62  
Step VI: 61 Odisha 58 Meghalaya 56 Assam 22 Manipur 35 Mizoram 62 Uttarakhand

S11.Ans(b)

S12.Ans(b)

S13.Ans(c)

S14.Ans(e)

S15.Ans(c)



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