

Quiz Date: 25th March 2020

Directions (1-5): Read the following information carefully and answer the questions: Eight persons A, B, C, D, E, F, G and H were born on the same day of the same month but in different years. All their ages are to be considered from the base year i.e. 2018. Each of them likes different colours- Pink, White, Blue, Brown, Yellow, Grey, Green and Orange. E is 9 years old and likes white colour. One of the persons was born in 1982. A was born in 1990 and 10 years older than C who likes blue colour. D is 6 years old and does not like pink and grey colour. Age difference between B and F who likes green is 13 years. H was born in 1985 and does not like Pink and yellow. G likes brown colour. The one who is 25 years old likes yellow colour. One of the persons was born in 2006.

Q1. What is the age of F?

- (a) 9 years
- (b) 18 years
- (c) 12 years
- (d) 15 years
- (e) None of these

Q2. B was born in which of the following year?

- (a) 2009
- (b) 2000
- (c) 1990
- (d) 1993
- (e) None of these

Q3. Who among the following was born in 2000?

- (a) A
- (b) B
- (c) C
- (d) H
- (e) None of these

Q4. Which of the following combination is true regarding the given arrangement?

- (a) G-36yrs-brown
- (b) B-25yrs-yellow
- (c) E-9yrs-white
- (d) F-12yrs-green
- (e) All are true

Q5. Who among the following likes orange colour?

- (a) H
- (b) A
- (c) D
- (d) E
- (e) None of these

Directions (6-8): Study the following information and answer the questions given below:
There are AB axis in such a way that A is in north and B is in south direction. There is XY axis in such a way that X is in west direction and Y is in east direction. AB axis and XY axis intersect at a point Q in such a way that AQ is 14m, QB is 25m, QX is 23m, QY is 18 m.
While facing towards south direction on point A, Daksh takes his left and walks 15m and then he takes a right turn and walks 34m and reached to point C. While facing towards south direction from point C, Sonam takes her right and walks 38m and reached at point D.

Q6. Point X is in which direction with respect to Daksh's final point?

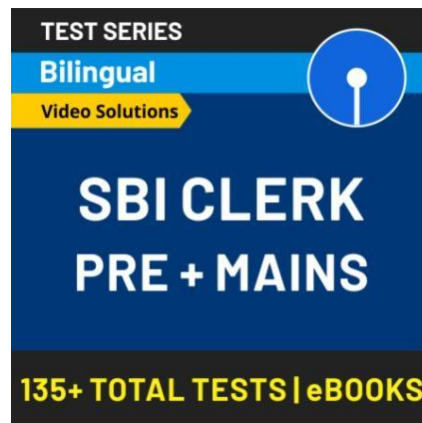
- (a) south
- (b) south-east
- (c) south-west
- (d) west
- (e) north-west

Q7. Point D is in which direction with respect to Daksh's starting position?

- (a) north
- (b) east
- (c) north-east
- (d) north-west
- (e) south-west

Q8. What is the distance between point D and point X?

- (a) 20m
- (b) 23m
- (c) 18m
- (d) 14m
- (e) 21m



Directions (9-10): In these questions, relationship between different elements is shown in the statements. The statements are followed by conclusions.

Give answer

Q9.

Statements:

 $X \geq G = H; G > J \geq L; J \geq K < Y$

Conclusions

I. $X \geq L$ II. $L < H$ III. $L > Y$

- (a) if only conclusion I is true
 (b) if only conclusion II is true
 (c) if only conclusion III is true
 (d) if all conclusion I, II, III are true
 (e) if no conclusion is true

Q10.

Statements:

 $A < B = R \geq S \geq T; X < J \leq K < T$

Conclusions

I. $T \leq B$ II. $X > A$ III. $J > B$

- (a) if only conclusion I is true
 (b) if only conclusion II is true
 (c) if only conclusion III is true
 (d) if all conclusion I, II, III are true
 (e) if no conclusion is true

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

Input: left 33 burn 32 21 part 36 zibe bold 11 mint 17

Step I : 36 left 33 burn 32 21 part zibe 11 mint 17 bold

Step II : 33 36 left 32 21 part zibe 11 mint 17 bold burn

Step III : 32 33 36 21 part zibe 11 mint 17 bold burn left

Step IV : 21 32 33 36 part zibe 11 17 bold burn left mint

Step V : 17 21 32 33 36 zibe 11 bold burn left mint part

Step VI : 11 17 21 32 33 36 bold burn left mint part zibe

And 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: 48 19 glow sick 58 rice 16 cat brick 31

Q11. How many steps will be required to complete the given rearrangement?

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

(e) None of these

Q12. Which of the following is the sixth element from the left in step V?

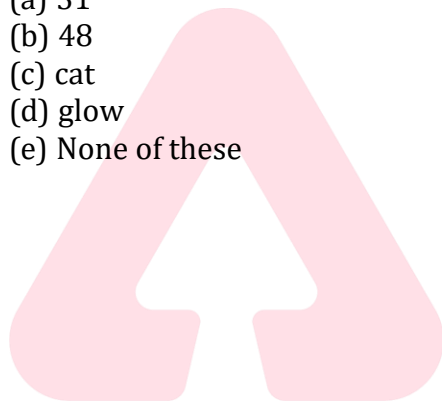
- (a) 58
- (b) brick
- (c) cat
- (d) glow
- (e) None of these

Q13. Which of the following is Step II of the given input?

- (a) 48 19 glow sick 58 rice 16 cat brick 31
- (b) 31 48 58 19 sick rice 16 brick cat glow
- (c) 48 58 19 glow sick rice 16 31 brick cat
- (d) 19 31 48 58 sick 16 brick cat glow rice
- (e) None of these

Q14. Which element is third to the right of '16' in step III?

- (a) 31
- (b) 48
- (c) cat
- (d) glow
- (e) None of these



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Q15. Which element is fourth to the left of 'rice' in step V?

- (a) cat
- (b) brick
- (c) glow
- (d) 48
- (e) 58

Solutions

Solutions (1-5):

Sol.

Persons	Year	Colour
A	1990	Pink
B	1993	Yellow
C	2000	Blue
D	2012	Orange
E	2009	White
F	2006	Green
G	1982	Brown
H	1985	Grey

S1. Ans.(c)

S2. Ans.(d)

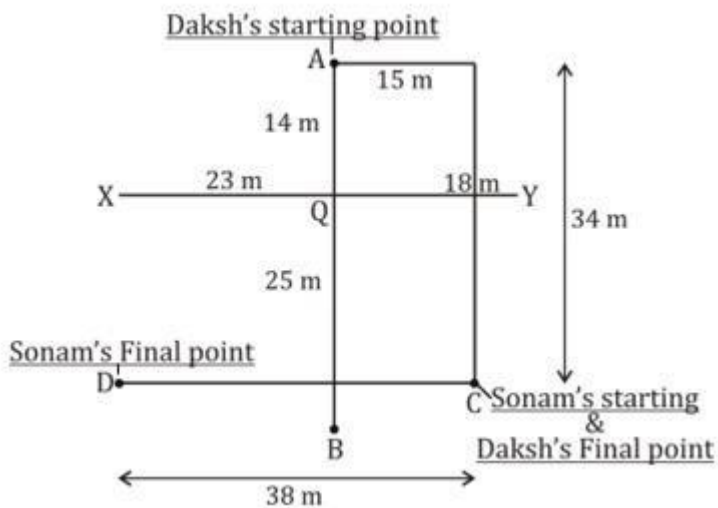
S3. Ans.(c)

S4. Ans.(e)

S5. Ans.(c)

Solutions (6-8):

Sol.



S6. Ans.(e)

S7. Ans.(e)

S8. Ans.(a)

Sol. 20m

Solutions (9-10):

S9. Ans.(b)

Sol. Conclusions

I. $X \geq L$ (Not true)

II. $L < H$ (true)

III. $L > Y$ (Not true)

S10. Ans.(a)

Sol. Conclusions

I. $T \leq B$ (true)

II. $X > A$ (Not true)

III. $J > B$ (Not true)

Solutions (11-15):

Sol. Students let us understand the Logic behind this Question and let's understand how to solve it. When we see the each step, then we can find that

The machine rearranges one word and one number in each step simultaneously, words are arranged from right end and numbers are arranged from left end.

(i) In this, words are arranged according to alphabet series from right. In step 1, the smallest word according to alphabetical series goes to the right end and in step 2 the second smallest word goes to the right end. The word which arranged in 1st step will shift one place left in second step and so on until the final step.

(ii) Numbers are arranged in increasing order, In step 1 the largest number goes to the left end and in step 2 the second largest number goes to the left end. The number which arranged in 1st shift will shift one place right in second step and so on until the final step.

Input: 48 19 glow sick 58 rice 16 cat brick 31

Step I: 58 48 19 glow sick rice 16 cat 31 brick

Step II: 48 58 19 glow sick rice 16 31 brick cat

Step III: 31 48 58 19 sick rice 16 brick cat glow

Step IV: 19 31 48 58 sick 16 brick cat glow rice

Step V: 16 19 31 48 58 brick cat glow rice sick

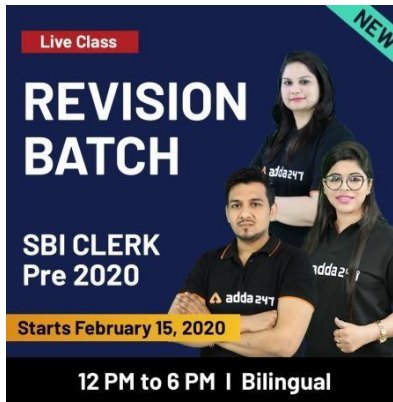
S11. Ans.(a)

S12. Ans.(b)

S13. Ans.(c)

S14. Ans.(d)

S15. Ans.(e)



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