

Quiz Date: 4<sup>th</sup> July 2020

Directions (1-5): Study the following information carefully to answer the given questions: There are eight persons i.e. A, B, C, D, H, G, F and E who all born on the different dates i.e. 15<sup>th</sup> and 30<sup>th</sup> of the different month i.e. January, June, August and November but not necessarily in the same order. They also belong to different departments i.e. Leadership, Science, Teaching, Taxation, Sociology, Nutrition, Yoga and Positivity not necessarily in the same order.

Only one person born between the one who belongs to leadership and the one who belongs to Sociology. H born on the even number date but in the month having 31 days but not in January. Only one person born between H and F, who belongs to Nutrition. F born before H. Only three persons born between E and the one who belongs to Sociology. E born in the month having 30 days but not on the last day of the month. More than two persons born between F and G. C and D born in the same month. D born on the even date. Only two persons born between G and B, who belongs to Yoga. Only one person born between the one who belongs to Yoga and the one who belongs to Teaching. The one who belongs to Positivity born before the one who belongs to Science but born after the one who belongs to Taxation.

Q1. Who among the following belongs to leadership?

- (a) D
- (b) G
- (c) A
- (d) C
- (e) None of these

Q2. Which of the following is true regarding H?

- (a) H belongs to Positivity
- (b) Only two persons born between H and A
- (c) Only two persons born after H
- (d) H born on the 30<sup>th</sup> of August
- (e) All are correct

Q3. Four of the following five are belongs to a group find the one that does not belong to that group?

- (a) E
- (b) B
- (c) G
- (d) A
- (e) C

Q4. Which of the following is true regarding E?

- (a) E born on 15<sup>th</sup> of the month.
- (b) E born in June Month
- (c) E belongs to Positivity
- (d) E born only after two persons
- (e) All are correct

Q5. Who among the following born on 15<sup>th</sup> of June?

- (a) F
- (b) G
- (c) C
- (d) A
- (e) None of these

Directions (6-10): Study the following information to 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. The following is an illustration of input and rearrangement.

Input: soul 74 bag 54 92 61 dancer light 82 read

Step I: bag soul 74 54 61 dancer light 82 read 92

Step II: dancer bag soul 74 54 61 light read 92 82

Step III: light dancer bag soul 74 54 read 92 82 61

Step IV: read light dancer bag soul 54 92 82 61 74

Step V: soul read light dancer bag 92 82 61 74 54

And step V 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: Gratitude 70 attitude 86 latitude 93 belong 73 make 49

Q6. How many steps would be needed to complete the arrangement?

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

Q7. Which Step number would be the following output?

gratitude belong attitude 86 latitude 73 make 70 93 49

- (a) III
- (b) II
- (c) VII
- (d) IV
- (e) There will be no such step

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

- (a) attitude gratitude 86 latitude 93 belong 73 make 49 70
- (b) belong attitude 86 gratitude latitude 73 make 49 70 93
- (c) attitude gratitude 86 latitude 93 make belong 73 49 70
- (d) make 49 73 latitude gratitude 70 93 belong attitude 86
- (e) None of these

Q9. In step IV, which of the following word/number would be on the 6th position (from the right)?

- (a) 9 make
- (b) belong
- (c) 86
- (d) attitude
- (e) None of these

Q10. What is the sum of 5<sup>th</sup> element from the right in step II and 3<sup>rd</sup> element from the left in step I?

- (a) 160
- (b) 157
- (c) 158
- (d) 159
- (e) None of these

Directions (11-12): In each of the questions below are given three statements followed by some Conclusions. You have to take the given statements to be true even if they seem to be at variance from 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.

Q11. Statements:

Only a few paper are note.  
Some note are yellow.  
All White are yellow.

Conclusions:

- I. No white is paper
- II. All yellow are paper is a possibility.
- III. All paper is note is possibility.

- (a) Only I follows
- (b) Only II follows
- (c) Only I and III follow
- (d) Only III follows
- (e) None follows

Q12. Statements:

No rabbit are Dog.  
Some Dogs are Rat.  
Only a few rabbit are cat.

Conclusions:

- I. Some cat are not rat.
  - II. Some rabbit are rat.
  - III. All cat are rat.
- (a) Only I follows
  - (b) Only II and III follow

- (c) Either I or III follow  
 (d) Only II follow  
 (e) None of these

Q13. In a row of students, Ashish is 15<sup>th</sup> from the right end and Neha is 10<sup>th</sup> from the left end. If in this row Neha is 12<sup>th</sup> from the right, then what is the position of Ashish from the left?

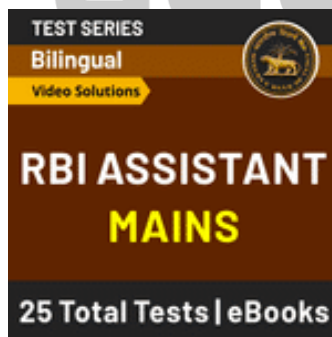
- (a) 8th  
 (b) 7th  
 (c) 10th  
 (d) 12th  
 (e) None of the above

Q14. Which alphabet is 3<sup>rd</sup> from the left in the meaningful four-letter word formed from the first, third, seventh and eighth letter of the word REQUIREMENT? If more than one word is formed, then mark answer as X and no meaningful word is formed then mark answer as Z.

- (a) M  
 (b) X  
 (c) Q  
 (d) Z  
 (e) R

Q15. How many such pairs of letters are there in the word EXPANSION each of which has as many letters between them as in the English alphabet?

- (a) One  
 (b) Four  
 (c) Two  
 (d) Three  
 (e) More than four



### Solutions

Solutions (1-5):

Sol.

Months	Case 2		
	Dates	Person	Department
January	15	C	Leadership
	30	D	Taxation

June	15	A	Sociology
	30	F	Nutrition
August	15	B	Yoga
	30	H	Positivity
November	15	E	Teaching
	30	G	Science

S1.Ans(d)

S2.Ans(e)

S3.Ans(c)

S4.Ans(a)

S5.Ans(d)

Solutions (6-10):

The machine arranges a word and a number in each step. Words are arranged in alphabetical order at the left end in each step. Similarly, the numbers are arranged in decreasing order in such a way that the difference with in two digit number. Highest difference is placed at the rightmost end in one step, followed by the second largest difference in second step and so on.

Input: Gratitude 70 attitude 86 latitude 93 belong 73 make 49

Step I: attitude gratitude 86 latitude 93 belong 73 make 49 70

Step II: belong attitude gratitude 86 latitude 73 make 49 70 93

Step III: gratitude belong attitude 86 latitude 73 make 70 93 49

Step IV: latitude gratitude belong attitude 86 make 70 93 49 73

Step V: make latitude gratitude belong attitude 70 93 49 73 86

S6.Ans(b)

S7.Ans(a)

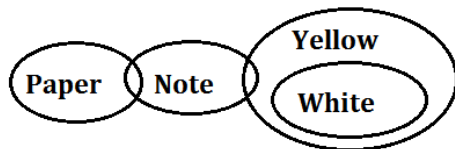
S8.Ans(e)

S9.Ans(c)

S10.Ans(d)

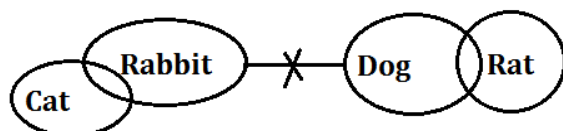
S11. Ans.(b)

Sol.



S12. Ans.(c)

Sol.



S13. Ans.(b)

Clearly, Ashish is 15th from the right and

Neha is 12<sup>th</sup> from the right end and 10th from the left end of the row

So, number of students in the row =  $(12 - 1 + 10) = 21$

Now, Ashish is 15th from the right

Number of boys to the left of Ashish =  $(21 + 1 - 15)$

Hence, A is 7th from the left end of the row.

S14. Ans.(d)

S15. Ans.(c)



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