Quiz Date: 1st April 2020

Directions (1-5): **Study the following information carefully and answer the questions.** Seven persons P, O, N, M, L, K and J were born in seven different months namely February,

Seven persons P, O, N, M, L, K and J were born in seven different months namely February, March, April, June, September, October and November (of the same year) but not necessarily in the same order. Each of them has different weight viz. 39, 49, 42, 33, 55, 17 and 23, but not necessarily in the same order. The one whose weight is 42 kg was not born in the month which has less than thirty days. Both J and N were born in one of the months after the month in which the person whose weight is 39 kg was born. The one who is the third heaviest of them all was not born in the month which has 31 days. Only three persons were born between the one whose weight is 42 kg and the one whose weight is 23 kg. Only two persons were born between J and the one whose weight is 33 kg. N is not the lightest. K was not born in the month which has thirty days. J was born immediately before N. M was born immediately after the one whose weight is 33 kg. P was born immediately before the one who is the second heaviest. Only one person was born between K and the person whose weight is 39 kg. Only two persons were born between M and L.

Q1. Who among the following has the least weight?

- (a) K
- (b) P
- (c) N
- (d) M
- (e) 0

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- Q2. How many persons were born between L and J?
- (a) None
- (b) One
- (c) Three
- (d) Two
- (e) More than three
- Q3. J was born in which of the following months?
- (a) Cannot be determined
- (b) October
- (c) March
- (d) April
- (e) September
- Q4. Which of the following denotes the weight of K?
- (a) 39
- (b) 17
- (c) 33
- (d) 55
- (e) 23
- Q5. How many persons are older than the second heaviest person?

- (a) More than four
- (b) Three
- (c) Four
- (d) One
- (e) None of these



## Directions (6-10): Study the following information carefully to answer the given questions.

Number arrangement machine when given an input line of numbers rearranges them following a particular rule in each step. The following is an illustration of input and rearrangement.

Input: 91 53 72 14 39 24 85 76 61 67 Step I: 13 91 53 72 39 85 76 61 67 23 Step II: 40 13 91 72 85 76 61 67 23 54 Step III: 62 40 13 91 72 85 76 23 54 68 Step IV: 71 62 40 13 91 85 23 54 68 75 Step V: 86 71 62 40 13 23 54 68 75 92

**Input:-** 56 40 100 28 63 84 16 34 71 88

Q6. How many numbers are there between 33 and the one which is 4th from the left end in step IV?

- (a) One
- (b) More than three
- (c) Three
- (d) None
- (e) Two
- Q7. How many numbers are there between the one which is 2nd from the left end and 100 in step III?
- (a) One
- (b) More than three
- (c) Three
- (d) None
- (e) Two

- Q8. What is the position of 88 from the right end in penultimate step?
- (a) First
- (b) Fifth
- (c) Second
- (d) Third
- (e) Sixth
- Q9. Which of the following number is 4th to the left of 88 in the III step?
- (a) 100
- (b) 15
- (c) 84
- (d) 33
- (e) None of these
- Q10. How many steps will be required to complete the given arrangement?
- (a) five
- (b) four
- (c) seven
- (d) eight
- (e) None of these

Direction (11-15): In each of the questions below are given some statements followed by two conclusions. You have to take the given statements to be true even if they seem to be at variance with 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.

- (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.

### Q11. Statements:

Some Apple are Orange.

Some Grapes are Papaya.

No Orange is papaya.

### **Conclusion:**

I: Some Apple are not grapes

II: Some grapes are not Orange

### Q12. Statements:

Only a few Smile are Cute.

All Cute is Dog.

Some Dog are Awesome

### **Conclusion:**

I: Some smile are Awesome

II: All Dog being smile is possibility

### Q13. Statements:

Only air is breath. Some air is pure.

All pure is Nature

### **Conclusion:**

I: Some Nature is Breath

II: Some pure is breath

### Q14. Statements:

Only a few Mango is Grapes. Only a few Grapes are Apple. Some apple is Litchi.

### **Conclusions:**

I. All Apple can be Mango.

II. Some Litchi is Grapes.

### Q15. Statements:

All Symbols are Image.
All Image are Tool.
No Image is Color.

### **Conclusions:**

I. Some Tool are not Color. II. All Color are not Symbols

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### **Solutions**

### S1. Ans.(a)

	Month	Persons	Weight
	February	L	23
	March	K	17
	April	0	33
	June	M	39
	September	P	42
	October	J	49
Sol.	November	N	55

S2. Ans.(e)

	Month	Persons	Weight
	February	L	23
	March	K	17
	April	0	33
	June	M	39
	September	P	42
	October	J	49
Sol.	November	N	55

S3. Ans.(b)

Month	Persons	Weight
February	L	23
March	K	17
April	0	33
June	M	39
September	P	42
October	J	49
November	N	55

S4. Ans.(b)

	Month	Persons	Weight
	February	L	23
	March	K	17
	April	0	33
	June	M	39
	September	P	42
	October	J	49
Sol.	November	N	55

S5. Ans.(a)

Month	Persons	Weight
February	L	23
March	K	17
April	0	33
June	M	39
September	P	42
October	J	49
November	N	55

### Sol. L

### S6. Ans. (d)

Sol. In this input output question numbers are arranged in ascending order from both the ends such as lowest number is first arranged from the left end and the second lowest number is arranged from the right end. And also all the numbers which are getting arranged by adding 1 to odd numbers and subtracting 1 from the even numbers.

Input:- 56 40 100 28 63 84 16 34 71 88 Step I: 15 56 40 100 63 84 34 71 88 27 Step II: 33 15 56 100 63 84 71 88 27 39 Step III: 55 33 15 100 84 71 88 27 39 64 Step IV: 72 55 33 15 100 88 27 39 64 83 Step V: 87 72 55 33 15 27 39 64 83 99

Step V, is the last step

### S7. Ans. (a)

Sol. In this input output question numbers are arranged in ascending order from both the ends such as lowest number is first arranged from the left end and the second lowest number is arranged from the right end. And also all the numbers which are getting arranged by adding 1 to odd numbers and subtracting 1 from the even numbers.

Input:- 56 40 100 28 63 84 16 34 71 88 Step I: 15 56 40 100 63 84 34 71 88 27 Step II: 33 15 56 100 63 84 71 88 27 39 Step III: 55 33 15 100 84 71 88 27 39 64 Step IV: 72 55 33 15 100 88 27 39 64 83 Step V: 87 72 55 33 15 27 39 64 83 99

Step V, is the last step

### S8. Ans. (b)

Sol. In this input output question numbers are arranged in ascending order from both the ends such as lowest number is first arranged from the left end and the second lowest number is arranged from the right end. And also all the numbers which are getting arranged by adding 1 to odd numbers and subtracting 1 from the even numbers.

**Input:- 56 40 100 28 63 84 16 34 71 88 Step I:** 15 56 40 100 63 84 34 71 88 27

**Step II:** 33 15 56 100 63 84 71 88 27 39 **Step III:** 55 33 15 100 84 71 88 27 39 64 **Step IV:** 72 55 33 15 100 88 27 39 64 83 **Step V:** 87 72 55 33 15 27 39 64 83 99

Step V, is the last step

### S9. Ans. (b)

Sol. In this input output question numbers are arranged in ascending order from both the ends such as lowest number is first arranged from the left end and the second lowest number is arranged from the right end. And also all the numbers which are getting arranged by adding 1 to odd numbers and subtracting 1 from the even numbers.

Input:- 56 40 100 28 63 84 16 34 71 88 Step I: 15 56 40 100 63 84 34 71 88 27 Step II: 33 15 56 100 63 84 71 88 27 39 Step III: 55 33 15 100 84 71 88 27 39 64 Step IV: 72 55 33 15 100 88 27 39 64 83 Step V: 87 72 55 33 15 27 39 64 83 99

Step V, is the last step

### S10. Ans (a)

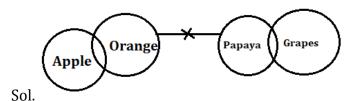
Sol. In this input output question numbers are arranged in ascending order from both the ends such as lowest number is first arranged from the left end and the second lowest number is arranged from the right end. And also all the numbers which are getting arranged by adding 1 to odd numbers and subtracting 1 from the even numbers.

Input:- 56 40 100 28 63 84 16 34 71 88 Step I: 15 56 40 100 63 84 34 71 88 27 Step II: 33 15 56 100 63 84 71 88 27 39 Step III: 55 33 15 100 84 71 88 27 39 64 Step IV: 72 55 33 15 100 88 27 39 64 83

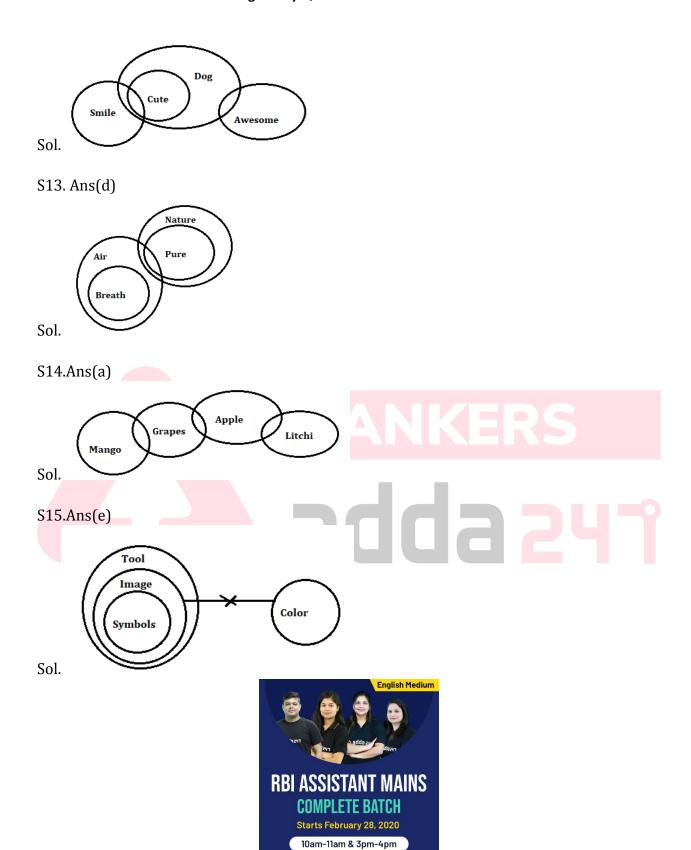
**Step IV:** 72 55 33 15 100 88 27 39 64 83 **Step V:** 87 72 55 33 15 27 39 64 83 99

Step V, is the last step

### S11. Ans(b)



S12. Ans(b)



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