Quiz Date: 16th April 2020

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

Seven friends, J, K, L, M, N, G and Q are going to appear in the exam but not necessarily in the same order, in seven different months (of the same year) namely January, February, March, June, August, October and December. Each of them also likes a different cold drink namely Pepsi, Dew, Sprite, Coca- cola, Frooti, Maaza and Slice but not necessarily in the same order.

L is going to appear in exam in a month which has less than 31 days. Only two persons are going to give the exam between the month in which L and M give the exam. The one who likes Pepsi is going to appear in exam immediately before N. Only one person gives exam before the one who likes Sprite. K gives exam immediately after the one who likes Sprite. Only three persons give exam between K and the one who likes Frooti. N likes neither Frooti nor Sprite. J gives exam immediately before N. Q likes Slice. The one who likes Dew gives exam in the month, which has less than 31 days. The one who gives exam in March does not like Coca- cola.

Q1. Which of the following represents the month in which M gives exam?
(a) January
(b) Cannot be determined
(c) October
(d) December
(e) June

Q2. Which of the following represents the people who gives exam in January and June respectively?
(a) Q, M
(b) G, M
(c) K, N
(d) G, L
(e) Q, L

Q3. How many persons gives exam between the months in which Q and L give exam ?
(a) None
(b) Three
(c) Two
(d) One
(e) More than three

Q4. As per the given arrangement, L is related to Pepsi and J is related to Coca- cola following a certain pattern, which of the following is G related to following the same pattern?
(a) Frooti
(b) Maaza

(c) Slice
(d) Sprite
(e) Dew

Q5. Which of the following cold- drink, does G like ?
(a) Sprite
(b) Frooti
(c) Pepsi
(d) Dew
(e) Coca- cola

Directions (6-10): **In each of the questions below are given some 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.**

Q6. **Statements:** A few minute are hour.
No hour are days.
Atleast days are week.
Conclusions:
I. Some day is minute is a possibility
II. Some week is not hour
III. No day is week
(a) Only I follows
(b) Only II follows
(c) Only I and II follow
(d) Only III follows
(e) None follows

Q7. **Statements:** No Earth is a Mars.
All Venus are Mars.
All Venus are Jupiter.
Conclusions:
I. At least some Jupiter are not Earth.
II. No Earth is Jupiter
III. No Venus is a Earth.
(a) Only I follows
(b) Only II and III follow
(c) Only I and III follow
(d) Only I and II follow
(e) None of these

Q8. **Statements:** Only a few wind are breeze.
Some air is tree.
All air are breeze.

Conclusions:
I. All wind is air is a possibility.
II. All breeze is wind is a possibility.
III. Some tree is breeze is a possibility.
(a) Only I follows
(b) Only II follows
(c) Only III follows
(d) Only II and III follow
(e) None of these

Q9. **Statements:** Only treasure are gems.
                    Only a few treasure is gold.
                    No treasure is jewel.
Conclusions:
I. All treasure are gold is a possibility.
II. All jewels are gold
III. Some gold not jewels.
(a) Only I follows
(b) Only II follows
(c) Only III follows
(d) Only I and II follow
(e) None of these

Q10. **Statements:** Only a few Magenta are Olive.
                     No Magenta is Orange.
                     No Black are Olive.
Conclusions:
I. Some Black are Orange is a possibility.
II. All Magenta is olive is a possibility.
III. Some magenta is black.
(a) Only I and III follow
(b) Only II follows
(c) Only II and either I or III follow
(d) Only I follows
(e) None of these

Directions (11-15): **Read the following information carefully and answer the questions given below.**
A 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- 43    62    81    56    47    94    29    88
Step1-86    186   162   168   94    282   58    264
Step 2- 14   15    9     15    13    12    13    12
          \/    \/    \/    \/    \/    \/    \/
Step 3-   29    6     24    2     25    1     25
Step4-   14.5   3     12    1     12.5  0.5   12.5
```
Input: 11 48 83 36 45 64 27 52

Q11. Which of the following will be Step III for the above input?
(a) 13 4 22 0 21 3 22
(b) 13 4 22 0 22 3 21
(c) 13 4 22 1 21 3 21
(d) 13 4 22 0 21 3 21
(e) None of these

Q12. Which of the following is 2nd from the left end in last step?
(a) 1.5
(b) 0
(c) 2
(d) 6.5
(e) None of these

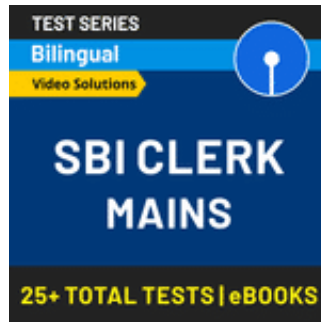Q13.What is the sum of the numbers which is 3rd from the right in step 1 and 2nd from the left in last step?
(a) 194
(b) 34
(c) 267
(d) 65
(e) None of these

Q14. What is the difference between the numbers which is 3rd from the right in step 3 and 2nd from the left in step2?
(a) 9
(b) 4
(c) 12
(d) 6
(e) None of these

Q15.How many numbers are exactly divisible by 3 in step 1?
(a) Two
(b) Four
(c) Five
(d) Six
(e) None of these

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Solutions

Solutions (1-5):
Sol.

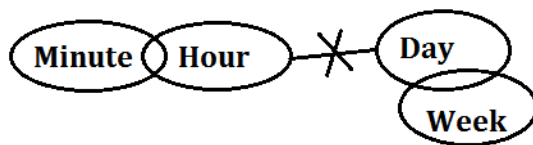| MONTH	FRIENDS	COLD- DRINK
January	Q	Slice
February	G	Sprite
March	K	Maaza
June	L	Dew
August	J	Pepsi
October	N	Coca-cola
December	M	Frooti

S1. Ans.(d)
S2. Ans.(e)
S3. Ans.(c)
S4. Ans.(b)
S5. Ans.(a)
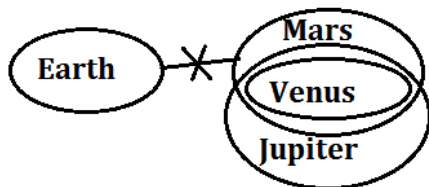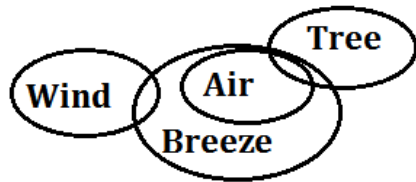**Solutions (6-10):**
S6. Ans.(c)
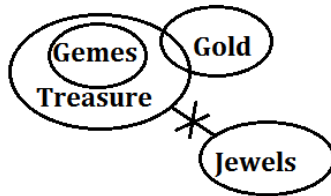Sol.

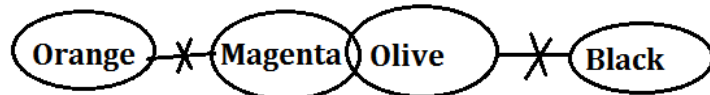
S7. Ans.(c)
Sol.

S8. Ans.(b)
Sol.

S9. Ans.(c)
Sol.

S10. Ans.(d)
Sol.

Solutions (11-15):
Sol. Word and numbers rearranges alternately from left to write.
In step 1- the odd numbers are multiplied by 2 and the even numbers are multiplied by 3.
In Step2- all the digits of the numbers are added.
In Step3-the numbers are alternatively added and subtracted with the next number.
In Step4- the numbers are divided by 2.

Input-	11	48	83	36	45	64	27	52
Step1-	22	144	166	108	90	192	54	156
Step 2-	4	9	13	9	9	12	9	12
Step 3-		13	4	22	0	21	3	21
Step4-		6.5	2	11	0	10.5	1.5	10.5

S11. Ans (d)
S12. Ans (c)
S13. Ans (a)
S14. Ans (c)
S15. Ans (d)

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