Puzzle test for SBI Clerk Pre, IBPS Clerk Pre, LIC Assistant Pre and IBPS RRB Asst. Pre Exams.

Directions: Study the following information carefully and answer the questions given beside.

Seven persons - I, J, K, L, M, N, and O have their birthdays in different months - January, March, April, June, July, September, and December, but not necessarily in the same order.

I's birthday falls in month having 31 days. J's birthday month is after I's birthday month. N's birthday falls in month having 31 days. J's birthday month comes after N's birthday month. L has birthday in a month having 30 days. K has birthday in a month having 31 days but not in July and March. M's birthday fall in a month having 30 days but before September. O's birthday month is not after J's birthday month. J's Birthday is not in December. M birthday falls before O but not in the month of June. Only three persons have birthday between N and L.

1.   Whose birthday is in the month of January?

A. O   B. I   C. M   D. N   E. Either N or I

2.   How many persons have birthday between I and K?

A. 2   B. 3   C. 4   D. More than Four   E. None of these

3.   How many persons have birthday after M?

A. 1   B. 2   C. 3   D. 4   E. None of these

4.   Four of the following five are alike in a certain way based on their positions in the above arrangement and so form a group. Which is the one that does not belong to that group?

A. O   B. I   C. J   D. N   E. K

5.   Which of the following statement is true?

A. J has birthday immediately after O.   B. K has birthday in the last month of the year.
C. No one has birthday between I and N.   D. M's birthday falls immediately before O.
E. All are true

Correct Answers:

1	2	3	4	5
B	D	D	A	E

Common explanations :

References:
N's birthday falls in month having 31 days.

I's birthday falls in month having 31 days and J's birthday month is after I's birthday month

J's birthday month comes after N's birthday month.

J's Birthday is not in December

Inferences:
From above references it is clear that I and N birthday will be before N and either in January or March month as J birthday cannot be in the month of December.

Now, we arrange the following Inferences in the table.

Month	Person
January (31)	I/N
March (31)	I/N
April (30)	
June (30)	
July (31)	J
September (30)	
December (31)	

References:
K has birthday in a month having 31 days but not in July and March.

M birthday falls before O but not in the month of June.

O's birthday month is not after J's birthday month

Inferences:
From the first reference it is clear that K birthday will be in December only.

It is given that M birthday falls before O but not in the month of June and O's birthday month is not after J's birthday month. Hence M birthday will fall in April and O birthday will fall in June.

Month	Person
January (31)	I/N
March (31)	I/N
April (30)	M
June (30)	O
July (31)	J
September (30)	
December (31)	K

References:

L has birthday in a month having 30 days.

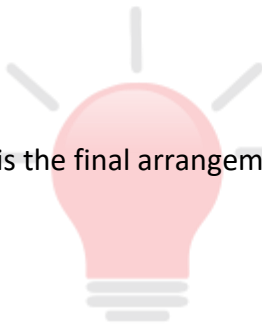Only three persons have birthday between N and L.

Inferences:

L has birthday in a month having 30 days. Hence, L birthday will fall in September.

As only three persons have birthday between N and L. Hence, N birthday falls in March.

Month	Person
January (31)	I
March (31)	N
April (30)	M
June (30)	O
July (31)	J
September (30)	L
December (31)	K

Hence, this is the final arrangement.

Answers :

1. Following the common explanation, I birthday falls in January.

Hence, option B is the correct answer.

2. Following the common explanation, we can see that, five persons have their birthdays between I and K.

Hence, option D is the correct answer.

3. As per the final solution, 4 persons have their birthday after M.

Hence, option D is the correct answer.

4. Following the common explanation, Except O all have their birthdays in the months having 31 days.

Hence, option A is the correct answer.

5. Following common explanation, all the given statements are true.

Hence, option E is correct.