# Puzzle Test Questions for IBPS PO Pre, SBI PO Pre, IBPS Clerk Mains, SBI Clerk Mains, IBPS SO Pre and RRB Scale I Pre Exams.

## Set No 48

**Directions: Read the given information carefully and answer the questions given beside:**

Eight persons A, B, C, D, E, F, G and H have their birthdays on different months of the year viz. January, April, May and July, such that not more than two persons have their birthdays in the same months. All the birthdays are either on 14th or 23rd of the month. No two persons have their birthdays on the same day of the same month. The following information is also known about them.

F does not have birthday in May. E wasn't born in July.

H's birthday is immediately after B's. E celebrates his birthday before B.

The number of persons who have their birthdays between the birthdays of G and H is equal to the number of persons who have their birthdays between the birthdays of B and D.

D was born in July.

Birthdays of both E and B are in the same month. There are three birthdays between the birthdays of F and C.

## 1. Who among the following were born in the same month?

A. A and D      B. B and C      C. C and F      D. D and G      E. None of these

## 2. Who was born on 23rd July?

A. A      B. B      C. C      D. D      E. None of these

## 3. Which of the following Birthday – Person combination is correct?

A. January 23rd – G    B. April 14th – E    C. May 23rd – H    D. July 14th – C    E. None of these

## 4. In which month C has his birthday?

A. January      B. April      C. May      D. July      E. Can't be determined

## 5. How many people have birthdays before G?

A. 1      B. 3      C. 5      D. 7      E. None of these

**Correct Answers:**

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|
| A | D | B | C | E |

**Common explanation:**

**Reference:**
D was born in July.
E's birthday is before B.
E wasn't born in July. Birthdays of both E and B are in the same month.

**Inference:**

Therefore, both E and B may have their birthdays in January, April or May.

| Month | Day | Person |
|---|---|---|
| January | 14th | [E] |
| January | 23rd | [B] |
| April | 14th | [E] |
| April | 23rd | [B] |
| May | 14th | [E] |
| May | 23rd | [B] |
| July | 14th | [D] |
| July | 23rd | [D] |

**Reference:**

H's birthday is immediately after B's.
The number of persons who have their birthdays between the birthdays of G and H is equal to the number of persons who have their birthdays between the birthdays of B and D.

**Inference:**

If B's birthday is on 23rd May or on 23rd January, then as shown in figure, the condition of the equal no. of birthdays between G and H, and B and D won't be met.(refer to the below table)

| Month | Day | Person |
|---|---|---|
| January | 14th | |
| January | 23rd | |
| April | 14th | |
| April | 23rd | |
| May | 14th | E |
| May | 23rd | B |
| July | 14th | H |
| July | 23rd | D |

| Month | Day | Person |
|---|---|---|
| January | 14th | E |
| January | 23rd | B |
| April | 14th | H |
| April | 23rd | |
| May | 14th | |
| May | 23rd | |
| July | 14th | |
| July | 23rd | D |

Therefore, B and E have their birthdays in April as shown below.

| Month | Day | Person |
|---|---|---|
| January | 14th | |
| January | 23rd | |
| April | 14th | E |
| April | 23rd | B |
| May | 14th | H |
| May | 23rd | |
| July | 14th | [D] |
| July | 23rd | [D] |

**Reference:**
The number of persons who have their birthdays between the birthdays of G and H is equal to the number of persons who have their birthdays between the birthdays of B and D.
F does not have birthday in May.
There are three birthdays between the birthdays of F and C.

**Inference:**
Now there are two possible dates for D's birthday i.e. 14th July and 23rd July.
First let us assume D's birthday on 14th July-

| Month | Day | Person |
|---|---|---|
| January | 14th | |
| January | 23rd | G |
| April | 14th | E |
| April | 23rd | B |
| May | 14th | H |
| May | 23rd | |
| July | 14th | D |
| July | 23rd | |

But, the condition that there are three birthdays between the birthdays of F and C wouldn't be met in the above arrangement.
Therefore, assuming D's birthday is on 23rd July and redrawing the table, we get-

| Month | Day | Person |
|---|---|---|
| January | 14$^{th}$ | G |
| January | 23$^{rd}$ | F |
| April | 14$^{th}$ | E |
| April | 23$^{rd}$ | B |
| May | 14$^{th}$ | H |
| May | 23$^{rd}$ | C |
| July | 14$^{th}$ | |
| July | 23$^{rd}$ | D |

**Final table:**

After filling out the vacant position with the remaining person 'A' we get our final table as follows-.

| Month | Day | Person |
|---|---|---|
| January | 14$^{th}$ | G |
| January | 23$^{rd}$ | F |
| April | 14$^{th}$ | E |
| April | 23$^{rd}$ | B |
| May | 14$^{th}$ | H |
| May | 23$^{rd}$ | C |
| July | 14$^{th}$ | A |
| July | 23$^{rd}$ | D |

**Answers :**

1. From the common explanation, we get
   A and D were born in the same month.
   Option A, is hence the correct answer.

2. From the common explanation, we get
   D was born on 23$^{rd}$ July.
   Option D, is hence the correct answer.

3. From the common explanation, we get
   E was born on 14$^{th}$ of April.
   Option B, is hence the correct answer.

4. From the common explanation, we get
   C has his birthday in the month of May.
   Option C, is hence the correct answer.

5. From the common explanation, we get
   In the given months and Dates, G is the one whose birthday comes first.
   Option E, is hence the correct answer.