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

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

Seven friends B1 to B7 celebrated their birthday on different dates of same month. The date of the month is consecutive multiple of 4. B1 celebrated his birthday immediately before B4. Neither B5 nor B6 celebrated their birthday on 28th of the month. The difference between the days of B6 and B4 to celebrate their birthday is 12. No one celebrated their birthday between B2 and B5, who celebrated his birthday after B2. At most two people celebrated their birthday after B6. B3 celebrated his birthday after B7, who doesn't celebrate his birthday before B1.

1. **Who among the following celebrated his birthday immediately before B7?**

A. B5   B. B6   C. B4   D. B2   E. None of these

2. **Who celebrated the birthday on 24th of the month?**

A. B6   B. B3   C. B7   D. B2   E. None of these

3. **Which of the following statements is true?**

A. B5 celebrated his birthday between B1 and B2. B. B6 celebrated his birthday on 20th of the month.
C. The birthday date of B6 is a multiple of 8. D. B6 celebrated his birthday at the end of the month.
E. All of the above are true.

4. **Who celebrated his birthday between B2 and B6?**

A. B1   B. B4   C. B3   D. B7   E. None of these

5. **Who celebrated his birthday in the beginning of the month?**

A. B7   B. B2   C. B5   D. B1   E. None of these

Correct Answers:

1	2	3	4	5
B	C	B	E	D

Common explanation :

References:

At most two people celebrated their birthday after B6.

Neither B5 nor B6 celebrated their birthday on 28th of the month.

The difference between the days of B6 and B4 to celebrate their birthday is 12.

B1 celebrated his birthday immediately before B4.

No one celebrated their birthday between B2 and B5, who celebrated his birthday after B2.

B3 celebrated his birthday after B7, who doesn't celebrate his birthday before B1.
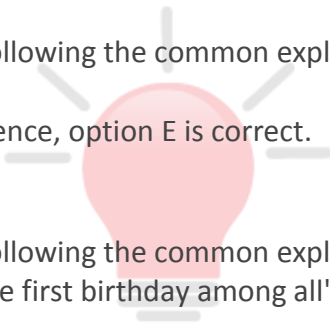
Inferences:

From above statements,

Case-1: Here B6 and B4 celebrated their birthday on 20th and 8th of the month respectively. B1 celebrated his birthday on 4th of the month. B2 and B5 celebrated their birthday on 12th and 16th of the month respectively. Finally, B7 and B3 celebrated their birthday on 24th and 28th of the month respectively. Thus all the given condition gets satisfied and we get the completed arrangement in Case-1.

Case-2: Here B6 and B4 celebrated their birthday on 24th and 12th of the month respectively. B1 celebrated his birthday on 8th of the month. B2 and B5 celebrated their birthday on 16th and 20th of the month respectively. As per last reference point, B7 doesn't celebrate his birthday before B1. Thus there is no other date left for B7. Thus this case-2 becomes invalid and it can be eliminated.

Date	Case-1	Case-2 [Eliminated]
	Person	Person
4th	B1	~~B7~~
8th	B4	B1
12th	B2	B4
16th	B5	B2
20th	B6	B5
24th	B7	B6
28th	B3	B3

Explanations:

1. Following the common explanation, we get "B6 celebrated his birthday immediately before B7".

Hence, option B is correct.

2. Following the common explanation, we get "B7 celebrated his birthday on 24th of the month".

Hence, option C is correct.

3. Following the common explanation, we can observe that the statement given in option B; " B6 celebrated his birthday on 20th of the month." is true.

Hence, option B is correct.

4. Following the common explanation, we get "B5 celebrated his birthday between B2 and B6".

Hence, option E is correct.

5. Following the common explanation, we get "B1 celebrated his birthday on 4th of the month which is the first birthday among all".

Hence, option D is correct.