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## Puzzle Test Questions for SBI PO Pre, IBPS PO Pre, IBPS Clerk Mains and SBI Clerk Mains Exams.

Set No 117
Directions: Study the following information carefully and answer the questions given beside:

Eight persons from A to H are attending the interview on four different months i.e. January, February, March and April. The interview is held on two different dates i.e. 8th and 19th of the given months. No two people are attending the interview on same date. B and C attend the interview in same month but not in February. Three persons attend the interview between F and G. Only two persons attend the interview after H. G attends the interview on 8th of the month. Number of persons attending the interview between D and E is twice the number of persons attending the interview between $B$ and $A$. Neither $D$ nor $E$ attends the interview in the same month as G. D does not attend the interview on 19th. B doesn't attend the interview after A.

1. Who among the following attend the interview in February month?
A. G
B. F
C. A
D. Both option (B) and (C)
E. Both option (C) and (A)
2. How many persons attend the interview between B and F?
A. None
B. One
C. Two
D. Three
E. More than three
3. Which of the following statements is true?
A. $D$ attends the interview before $C$
B. E and H attend the interview on same month
C. Two persons attend the interview between A and C
D. Maximum number of persons attend the interview between $B$ and $E$
E. None of the above
4. Four of the following five are alike in a certain way and thus form a group. Which of the following does not belong to the group?
A. B
B. H
C. A
D. E
E. C
5. Which of the following persons is attending the interview on 19th march?
A. C
B. G
C. H
D. F
E. D

## Correct Answers:

| $\mathbf{1}$ | $\mathbf{2}$ | $\mathbf{3}$ | $\mathbf{4}$ | $\mathbf{5}$ |
| :--- | :--- | :--- | :--- | :--- |
| E | E | C | E | C |

## Common explanation:

## References:

Only two persons attend the interview after H .
$B$ and $C$ attend the interview in same month but not in February.
B doesn't attend the interview after A.

Three persons attend the interview between F and G .
G attends the interview on $8^{\text {th }}$ of the month.

## Inferences:

From above statements,

Only two persons attend the interview after H .
Here, H attends the interview on $19^{\text {th }}$ March.
$B$ and $C$ attend the interview in same month but not in February. B doesn't attend the interview after $A$.
Here, if $B$ and $C$ attend the interview in April month and then $A$ attends the interview before $B$ which is not possible. Also we know $B$ and $C$ are not attending the interview in March ( H attends the interview) and February (given in statement). Therefore B and C are attending the interview in January month.

Note: Either B or C attends the interview on either $8^{\text {th }}$ or $19^{\text {th }}$ of January. So we get two possibilities.
Three persons attend the interview between F and G. G attends the interview on $8^{\text {th }}$ of the month.
Here we get one more possibility for each case i.e. Either F or $G$ attends the interview at first between them. Note: Either F or G (given $8^{\text {th }}$ of any month) attend the interview in February $8^{\text {th }}$ or April $8^{\text {th }}$ in both cases (only possibility)

By using all information, we get the initial table as follows,

| Case: $\mathbf{1}$ |  |  | Case: 1-A |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Month | Date | Person | Month | Date | Person |
| January | $8^{\text {th }}$ | B | January | $8^{\text {th }}$ | B |
|  | $19^{\text {th }}$ | C |  | $19^{\text {th }}$ | C |
| February | $8^{\text {th }}$ | G | February | $8^{\text {th }}$ | F |
|  | $19^{\text {th }}$ |  |  | $19^{\text {th }}$ |  |
| March | $8^{\text {th }}$ |  | March | $8^{\text {th }}$ |  |
|  | $19^{\text {th }}$ | H |  |  |  |
|  | $8^{\text {th }}$ | F | April | $8^{\text {th }}$ | H |
|  | $19^{\text {th }}$ |  |  | G |  |


| Case:2 |  |  | Case:2-A |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Month | Date | Person | Month | Date | Person |
| January | $8^{\text {th }}$ | C | January | $8^{\text {th }}$ | C |
|  | $19^{\text {th }}$ | B |  | $19^{\text {th }}$ | B |
| February | $8^{\text {th }}$ | G | February | $8^{\text {th }}$ | F |
|  | $19^{\text {th }}$ |  |  | $19^{\text {th }}$ |  |
| March | $8^{\text {th }}$ |  | March | $8^{\text {th }}$ |  |
|  | $19^{\text {th }}$ | H |  | $19^{\text {th }}$ | H |
| April | $8^{\text {th }}$ | F | April | $8^{\text {th }}$ | G |
|  | $19^{\text {th }}$ |  |  | $19^{\text {th }}$ |  |

## References:

Number of persons attending the interview between D and E is twice the number of persons attending the interview between $B$ and $A$.

Neither D nor E attends the interview in the same month as G.
D does not attend the interview on $19^{\text {th }}$.

Inferences:
From above statements,
Number of persons attending the interview between D and E is twice the number of persons attending the interview between $B$ and $A$.

As per statement, if number of persons attends the interview between $B$ and $A$ is 1 and then number of persons attend the interview between D and E is 2 [example]

Neither D nor E attends the interview in the same month as G. D does not attend the interview on $19^{\text {th }}$.
Both $D$ and $E$ are attending the interview in the month which is different from $G$. Also, $D$ attends the interview on $8^{\text {th }}$ of any month.

Based on the above said condition let check all the following case;
Case: 1 \& 1-A: Here as per table, minimum number of persons attends the interview between $B$ and $A$ is 2 and then of persons attends the interview between $D$ and $E$ is must be 3 , but it is not possible in both cases. Hence these cases become invalid and can be eliminated.

| Case: 1 [Eliminated] |  |  | Case: 1-A [Eliminated] |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Month | Date | Person | Month | Date | Person |
| January | $8^{\text {th }}$ | B | January | $8^{\text {th }}$ | B |
|  | $19^{\text {th }}$ | C |  | $19^{\text {th }}$ | C |
| February | $8^{\text {th }}$ | G | February | $8^{\text {th }}$ | F |
|  | $19^{\text {th }}$ | A |  | $19^{\text {th }}$ | A |
| March | $8^{\text {th }}$ |  | March | $8^{\text {th }}$ |  |
|  | $19^{\text {th }}$ | H |  | $19^{\text {th }}$ | H |
| April | $8^{\text {th }}$ | F | April | $8^{\text {th }}$ | G |
|  | $19^{\text {th }}$ |  |  | $19^{\text {th }}$ |  |

Case 2: Here, number of persons attends the interview between $B$ and $A$ is 1 and then number of persons attends the interview between D and E is 2 i.e. A attends on $19^{\text {th }}$ February, D attends on $8^{\text {th }}$ March and E attends on April $19^{\text {th }}$. Thus all conditions gets satisfied and we get the final table as shown.

Case 2-A: Here, all above said conditions satisfied (Case-2) except G and E i.e. G and E should attend the interview in different months as per statement, but here both are attending in April month which violates the statement. Hence this case become invalid and can be eliminated.

| Case:2 |  |  | Case:2-A [Eliminated] <br> G and E attends in different <br> month |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Month | Date | Person | Month | Date | Person |
| January | $8^{\text {th }}$ | C | January | $8^{\text {th }}$ | C |
|  | $19^{\text {th }}$ | B |  | $19^{\text {th }}$ | B |
| February | $8^{\text {th }}$ | G | February | $8^{\text {th }}$ | F |
|  | $19^{\text {th }}$ | A |  | $19^{\text {th }}$ | A |
| March | $8^{\text {th }}$ | D | March | $8^{\text {th }}$ | D |
|  | $19^{\text {th }}$ | H |  | $19^{\text {th }}$ | H |
| April | $8^{\text {th }}$ | F | April | $8^{\text {th }}$ | G |
|  | $19^{\text {th }}$ | E |  | $19^{\text {th }}$ | E |

## Answers:

1. Following the common explanation, we get "Both (C.) and (A.)", G and $A$ attend the interview in February month.

Hence, option E is correct.
2. Following the common explanation, we get "More than three", Four persons attend the interview between $B$ and $F$.

Hence, option E is correct.
3. Following the common explanation, we find that "Two persons attend the interview between $A$ and C ", is the true statement.

Hence, option C is correct.
4. From the following explanation it is clear that ' $C$ ' is the only one who attends the interview on an even numbered date $\left(8^{\text {th }}\right)$, rest of the persons attend their interviews on odd numbered dates ( $\left.19^{\text {th }}\right)$.

Hence option E is correct.
5. In the following common explanation it is clear that H is attending the interview on $19^{\text {th }}$ march? Hence option C is correct.

## - - $^{-1}$ Smartikeda

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