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

Set No 113
Directions: Study the following information carefully and answer the questions given beside:

A teacher made an observation on the basis of the ranks of seven students - Piya, Riya, Shreya, Niya, Diya, Miya and Jiya, in the previous exams taken by them.

The observations were:

No two students get same rank.
Jiya always performs better than Piya.
Piya always performs better than Riya.
Each time either Shreya tops the class and Diya gets the last rank, or alternatively Niya tops the class and either Miya or Riya gets the last rank.

1. Jiya is ranked fifth, and Miya is ranked below Niya and Diya then what is the rank of Niya?
A. 2
B. 3
C. 4
D. 1
E. Either 3 or 4
2. If Shreya is ranked third, and Miya is ranked lower than Shreya but higher than Jiya then what is the rank of Diya?
A. 1
B. 2
C. 4
D. 5
E. Can't be determined
3. If Riya is ranked fourth and there are two persons ranked between Jiya and Shreya then what is the rank of Miya?
A. 2
B. 4
C. 6
D. 7
E. Can't be determined
4. If Niya ranked first and Riya is not holding last rank, then what is the rank of Diya if Jiya stood at $2^{\text {nd }}$ ?
A. $4^{\text {th }}$
B. $3^{\text {rd }}$
C. $6^{\text {th }}$
D. Can't be determined
E. None of these
5. If Piya ranked $4^{\text {th }}$ and Diya stood at last then what is the rank of Shreya if Miya stood at $6^{\text {th }}$ ?
A. $2^{\text {nd }}$
B. $1^{\text {st }}$
C. $3^{\text {rd }}$
D. $5^{\text {th }}$
E. None of these.

## Correct Answers:

| $\mathbf{1}$ | $\mathbf{2}$ | $\mathbf{3}$ | $\mathbf{4}$ | $\mathbf{5}$ |
| :--- | :--- | :--- | :--- | :--- |
| D | B | D | D | B |

## Common explanation:

## Reference:

Piya teacher made an observation on the basis of the ranks of seven students - Piya, Riya, Shreya, Niya, Diya, Miya and Jiya, in the previous exams taken by them.

## Inference:

We will keep this information in mind while solving the puzzle.

## Reference:

Jiya always performs better than Piya.

Piya always performs better than Riya.

## Inference:

After using the above references we have:

Order of Ranks:
Jiya > Piya > Riya

## Reference:

Each time either Shreya tops the class and Diya gets the last rank, or alternatively Niya tops the class and either Miya or Riya gets the last rank.

## Inference:

After using the above references we have:
Possibilities of $1^{\text {st }}$ and $7^{\text {th }}$ rank:

## Possibility 1:

Rank 1 = Shreya

Rank 7 = Diya

## Possibility 2:

Rank 1 = Niya
Rank 7 = either Miya or Riya

## Answers :

1. Following the final solution, and applying the given conditions, we have:

| Rank | Person |
| :---: | :---: |
| 1 | Niya |
| 2 | Shreya/Diya |
| 3 | Diya/Shreya |
| 4 | Miya |
| 5 | Jiya |
| 6 | Piya |
| 7 | Riya |

Here, we can say that Rank of Niya is 1.
Hence, the correct answer is option D.
2. Following the final solution, and applying the given conditions, we have:

| Rank | Person |
| :---: | :---: |
| 1 | Niya |
| 2 | Diya |
| 3 | Shreya |
| 4 | Miya |
| 5 | Jiya |
| 6 | Piya |
| 7 | Riya |

Here, we can say that Rank of Diya is 2 .
Hence, the correct answer is option B.
3. Following the final solution, and applying the given conditions, we have:

| Rank | Person |
| :---: | :---: |
| 1 | Niya |
| 2 | Jiya |
| 3 | Piya |
| 4 | Riya |
| 5 | Shreya |
| 6 | Diya |
| 7 | Miya |

Here, we can say that Rank of Miya is 7.
Hence, the correct answer is option D.
4. Following the final solution, and applying the given conditions, we have:

| Rank | Person |
| :---: | :---: |
| 1 | Niya |
| 2 | Jiya |
| 3 | Piya |
| 4 | Riya |
| 5 | Shreya/Diya |
| 6 | Diya/Shreya |
| 7 | Miya |

Here, we cannot find Rank of Diya.
Hence, the correct answer is option D.
5. Following the final solution, and applying the given conditions, we have:

| Rank | Person |
| :---: | :---: |
| 1 | Shreya |
| 2 | Niya |
| 3 | Jiya |
| 4 | Piya |
| 5 | Riya |
| 6 | Miya |
| 7 | Diya |



Here, we can say that Rank of Shreya is $1^{\text {st }}$.
Hence, the correct answer is option B.

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