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# Puzzle test for SBI PO Pre, IBPS PO Pre, SBI Clerk Mains, IBPS Clerk Mains and IBPS SO Pre Exams.

## PT Set No 89

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

Five dance teams – T-1, T-2, T-3, T-4 and T-5 and each one from a different country are participating in a dance competition. This team performs consecutively one after the other in the competition. Duration of performance of each team is different and the total duration of the performances is 10 hours.

The minimum duration of any performance is 1 hour.

The second performance starts at either 10:00 am or 11: 30 am.

The last performance is of 3 hours duration.

T-2, which is not from India, gives the performance, immediately after T-3.

Team from Italy does not give 1<sup>st</sup> and 2<sup>nd</sup> performance.

T-5 is a team from USA, who performs immediately before China.

Team India's performance starts at 11:00 AM, which is not the first performance.

Duration of Japan performance is double the duration of Italy performance, which is given by neither T-2 nor T-4.

One of the performances starts at 1:30 pm, which is not of Japan.

Third performance is not given by T-1.

**1. Team T-4 belongs to which of the following countries?**

- A. India                      B. China                      C. Japan                      D. USA                      E. Italy

**2. What is the total duration of the performances which are given between the performances of T-5 and T-2?**

- A. Zero                      B. 3 Hours                      C. 1.5 Hours                      D. 2 Hours                      E. 5 Hours

**3. Which of the following teams gave the 4<sup>th</sup> performance?**

- A. T-1                      B. T-2                      C. T-3                      D. T-4                      E. T-5

**4. Which of the following pairs is not correct?**

- A. 08:00 AM - USA      B. India - T-4                      C. 03:00 PM - T-2      D. 1.5 hour - China      E. None of these.

**5. The duration of performance of which team is the longest?**

- A. T-5                      B. T-4                      C. T-2                      D. T-3                      E. None of these.

**Correct Answers:**

<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
A	E	C	A	C



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The Question Bank

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## Common explanation :

### Reference:

Five dance teams – T-1, T-2, T-3, T-4 and T-5 and each one from a different country are participating in a dance competition. This team performs consecutively one after the other in the competition. Duration of performance of each team is different and the total duration of the performances is 10 hours.

### Inference:

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

### Reference:

Team India's performance starts at 11:00 AM, which is not the first performance.  
The second performance starts at either 10:00 am or 11: 30 am.  
The last performance is of 3 hours duration.

### Inference:

Using the above hints we can say that third performance must start at 11:00 AM because it is given that the performance that starts at 11:00 AM is not the first performance and second performance starts at either 10:00 AM or 11:30 AM.

Number	Timings	Team	Country	Duration
1				
2	10:00 AM			1 hour
3	11:00 AM		India	
4				
5				3 hours

### Reference:

Team from Italy does not give 1<sup>st</sup> and 2<sup>nd</sup> performance.  
T-5 is a team from USA, who performs immediately before China.

### Inference:

At this point there are two possible scenarios in which we can use the above hints accordingly.

### Case 1:

Number	Timings	Team	Country	Duration
1		T-5	USA	
2	10:00 AM		China	1 hour
3	11:00 AM		India	

4			Italy	
5				3 hours

**Case 2:**

Number	Timings	Team	Country	Duration
1		T-5	USA	
2	10:00 AM		China	1 hour
3	11:00 AM		India	
4				
5			Italy	3 hours

**Reference:**

One of the performances starts at 1:30 pm, which is not of Japan.

Duration of Japan performance is double the duration of Italy performance, which is given by neither T-2 nor T-4.

The minimum duration of any performance is 1 hour.

**Inference:**

At this point we use the above hints in case 2 without contradicting these conditions. So, we can say that **case 2 is an invalid case.**

**Case 1:**

Number	Timings	Team	Country	Duration
1		T-5	USA	
2	10:00 AM		China	1 hour
3	11:00 AM		India	2.5 hours
4	01:30 PM		Italy	1.5 hours
5	03:00 PM		Japan	3 hours

Here, we will make a mental note that teams – T-2 and T-4 did not belong to Italy.

**Reference:**

T-2, which is not from India, gives the performance, immediately after T-3.

Third performance is not given by T-1.

**Inference:**

Using the above hints we find the countries from which teams T-2, T-3 and T-1 belong.

**Case 1:**

Number	Timings	Team	Country	Duration
1		T-5	USA	
2	10:00 AM	T-1	China	1 hour
3	11:00 AM		India	2.5 hours
4	01:30 PM	T-3	Italy	1.5 hours
5	03:00 PM	T-2	Japan	3 hours

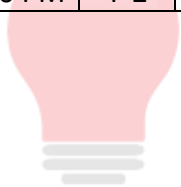
Here, the total duration for which T-1, Team from India, T-3 and T-2 performed =  $(1 + 2.5 + 1.5 + 3)$  hours = 8 hours

And we know that total duration of all performances was 10 hours.

So, duration of the performance by T-5 =  $(10 - 8)$  hours = 2 hours

**Case 1:**

Number	Timings	Team	Country	Duration
1	08:00 AM	T-5	USA	2 hours
2	10:00 AM	T-1	China	1 hour
3	11:00 AM	T-4	India	2.5 hours
4	01:30 PM	T-3	Italy	1.5 hours
5	03:00 PM	T-2	Japan	3 hours



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## Answers:

1. From the common explanation, we have  
Chakor lives on fifth floor.  
Option A, is hence the correct answer.
2. From the common explanation, we have  
Anand's family consists of 2 members including him.  
Option B, is hence the correct answer.
3. From the common explanation, we have  
Girik's family consists of total three members.  
Option D, is hence the correct answer.
4. From the common explanation, we have  
Only 1 person lives between Easharjot and Girik.  
Option C, is hence the correct answer.
5. From the common explanation, we have  
7- Anand - 2 is the only correct combination here.  
Option D, is hence the correct answer.





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