Seating Arrangement Questions for IBPS PO Pre, IBPS RRB Scale I Pre, SBI PO Pre, Syndicate Bank PO, Canara Bank PO, IBPS SO Pre, IBPS Clerk Mains and SBI Clerk Mains Exams.

Set No 121

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

Prince, Qamir, Rohit, Sohan, Tony, Umesh, Vinod and Wahid went to a theatre to watch a movie "GOLD". They were seated in a straight row facing towards the screen which was in the north direction. The total bill of all 8 tickets was Rs. 500 and was split among them unevenly such that no two persons paid the same amount.

Prince was 4th to the left of the one who paid Rs. 39 which is not the least paid amount.

The one who paid Rs. 79 was neighbouring Tony.

Rohit was immediate right of the one who paid half of the amount paid by Vinod.

Sum of the amount paid by Prince and Qamar was Rs. 160, where the amount paid by Prince is a perfect square between 30 and 90 and the amount paid by Qamar is a prime number.

Wahid was seated third to the right of Prince and Prince was not an immediate neighbour of Tony.

Tony was seated at one of the extreme ends and paid a sum that was a square between 35 and 70, which was not the least amount to be paid.

Vinod paid a sum of Rs. 84 and was third to the left of the one who paid Rs. 75.

Sohan paid Rs. 39 but was not sitting at the extreme end.

Nobody paid an amount more than Rs. 85.

1.   What is the least amount and paid by whom of the following?

A. Rs. 32, Umesh   B. Rs. 36, Wahid   C. Rs. 36, Umesh   D. Rs. 42, Umesh   E. Rs. 38, Wahid

2.   Which of the following is the difference of the amounts paid by the persons at the extreme ends?

A. 25   B. 27   C. 35   D. 20   E. None of these

3.   Which of the following amounts is paid by Tony?

A. Rs. 64   B. Rs. 36   C. Rs. 25   D. Rs. 49   E. None of these

4. Four of the following five are alike in certain way and thus form a group. Which of the following does not belong to the group?

A. Tony

B. Prince

C. Sohan

D. Rohit

E. Qamar

5. Which of the following combinations is not correct?

A. Sohan – 39

B. Prince – 81

C. Wahid – 26

D. Vinod – 84

E. Tony – 64

Correct Answers:

1	2	3	4	5
B	D	A	E	C

COMMON EXPLANATION:

Reference:
- The one who paid Rs. 79 was neighbouring Tony.
- Tony was seated at one of the extreme ends and paid a sum that was a square between 35 and 70, which was not the least amount to be paid.
- Prince was 4th to the left of the one who paid Rs. 39 which is not the least paid amount.
- Sohan paid Rs. 39 but was not sitting at the extreme end.
- Wahid was seated third to the right of Prince and Prince was not an immediate neighbor of Tony.

Inference:

Following three cases are possible from the given hints.

The possible amounts paid by Tony are- 36, 49 and 64.

Case 1

Person		Prince			Wahid	Sohan	~~Prince~~	Tony
Amount						39	79	

Case 1A

Person	Prince			Wahid	Sohan		~~Prince~~	Tony
Amount					39		79	

Case 2

Person	Tony	~~Prince~~	Prince			Wahid	Sohan	
Amount		79					39	

Reference:

- Sum of the amount paid by Prince and Qamar was Rs. 160, where the amount paid by Prince is a perfect square between 30 and 90 and the amount paid by Qamar is a prime number.
- Nobody paid an amount more than Rs. 85.

Inference:

Here we know that nobody paid an amount more than Rs. 85 and given the amount paid by Prince is a perfect square.

So, the possible amount paid by Prince in the given scenario is Rs. 81
And amount paid by Qamar is 160 – 81 =**79**, which is a prime number and both the amounts are less than 85.

Case 1

Person		Prince			Wahid	Sohan	Qamar	Tony
Amount		81				39	79	

Case 1A

Person	Prince			Wahid	Sohan		Qamar	Tony
Amount	81				39		79	

Case 2

Person	Tony	Qamar	Prince			Wahid	Sohan	
Amount		79	81				39	

Reference:
- Vinod paid a sum of Rs. 84 and was third to the left of the one who paid Rs. 75.
- Rohit was immediate right of the one who paid half of the amount paid by Vinod.

Inference:

Case 1

Person	Vinod	Prince		Rohit	Wahid	Sohan	Qamar	Tony
Amount	84	81	42	75		39	79	

Case 1A: Eliminated because there is no place to fix Rohit's position as per the last hint.

Person	Prince		Vinod	Wahid	Sohan		Qamar	Tony
Amount	81		84		39	75	79	

Case 2: Eliminated because there is no place to fix Rohit's position as per the last hint.

Person	Tony	Qamar	Prince		Vinod	Wahid	Sohan	
Amount		79	81		84		39	75

Reference:

- Prince was 4th to the left of the one who paid Rs. 39 which is not the least paid amount.
- Tony was seated at one of the extreme ends and paid a sum that was a square between 35 and 70, which was not the least amount to be paid.

Inference:

- Thus we are left with case 1 only and the vacant position is filled with the only left person i.e. Umesh.
- The possible amounts paid by Tony are- 36, 49 and 64.

- And also neither 39 is the least amount nor the amount paid by Tony is the least one. Thus, Wahid paid the least amount.
- Thus Tony didn't pay Rs. 36.
- If Tony paid Rs. 49 then the amount paid by Wahid is 500 − (84+81+42+75+39+79+49) => 51, which is not the least.
- If Tony paid Rs. 64 then the amount paid by Wahid is 500 − (84+81+42+75+39+79+64) => 36, which is the least amount in the given scenario.
- Thus the final arrangement is obtained as follows.

Case 1

Person	Vinod	Prince	Umesh	Rohit	Wahid	Sohan	Qamar	Tony
Amount	84	81	42	75	36	39	79	64

Answers :

1. From the following explanation it is clear that Wahid paid the least amount which is Rs. 36.

Hence option B is correct.

2. From the following explanation it is clear that the difference between the amounts paid by the persons at extreme ends is 84 – 64 = 20.

Hence option D is correct.

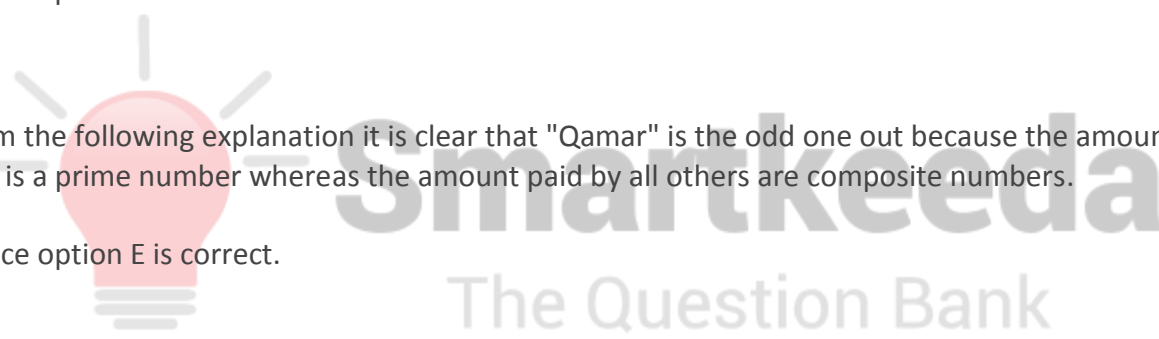**3.** From the following explanation it is clear that Tony paid Rs. 64.

Hence option A is correct.

4. From the following explanation it is clear that "Qamar" is the odd one out because the amount paid by him is a prime number whereas the amount paid by all others are composite numbers.

Hence option E is correct.

5. From the following explanation it is clear that "Wahid – 26" is the incorrect combination.

Hence option C is correct.