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

Set No 46

Direction: Read the given information carefully and answer the questions given beside:

Five friends, Anuj, Ravi, Kapil, Amit and Parth, own exactly two cars among Audi, Ford, BMW, Jaguar and Honda. Each of them now wants to buy a different car from the one that he already owns, from any of the other friends who already owns that car. The cars that the five persons want to buy are all distinct and each person can sell the car to only one other person.

Amit wants to buy Honda and only one person owns that car.

Anuj does not own Audi but wants to buy Ford.

Three people own Ford and at most two people own any of the other three cars.

At least one person owns each car and no two persons own the same set of cars.

Both Kapil and Parth own Jaguar and one of them sells his car to Anuj.

1. If Anuj buys the car from Parth then who among the following buys the car from Kapil?

- A. Parth B. Anuj C. Ravi D. Amit E. Can't be determined

2. Who among the following sells his car to Amit?

- A. Kapil B. Ravi C. Parth D. Anuj E. Can't be determined

3. Who among the following can buy his car from Kapil?

- A. Parth B. Ravi C. Anuj D. Amit E. Can't be determined

4. If Ravi sells a car which is also owned by Anuj then which of the following cars is sold by Amit?

- A. Audi B. Ford C. BMW D. Jaguar E. None of these

5. If Amit sells a car which is also owned by Parth then which of the following cars is sold by Kapil?

- A. Audi B. Ford C. BMW D. Jaguar E. Can't be determined

Correct Answers:

1	2	3	4	5
C	D	E	A	B

Common explanation:**Reference:**

Amit wants to buy Honda and only one person owns that car.

Anuj does not own Audi but wants to buy Ford.

Both Kapil and Parth own Jaguar and one of them sells his car to Anuj.

Inference:

Here, we can use the first hint easily and after that with the second and third hint we can say that either Kapil or Parth, or both owns Ford and Anuj buys Ford from one of them and we also get one more information Anuj doesn't own Audi.

Car	Owned by		Wants to buy	Sold by
Audi				
Ford			Anuj	Kapil/Parth
BMW				
Jaguar	Kapil	Parth		
Honda			Amit	

Reference:

Three people own Ford and at most two people own any of the other three cars.

At least one person owns each car and no two persons own the same set of cars.

Inference:

At this point after using the above hints we can redraw the above table as:

Car	Owned by		Wants to buy	Sold by
Audi	Ravi/Amit	Kapil/Parth	Kapil/Parth	Ravi/Amit
Ford	Kapil/Parth	Ravi/Amit	Anuj	Kapil/Parth
BMW	Anuj	Ravi/Amit	Kapil/Parth	Ravi/Amit
Jaguar	Kapil	Parth	Ravi	Kapil/Parth
Honda	Anuj		Amit	Anuj

Here, we can see that Anuj owns BMW and Jaguar because we already have that Anuj doesn't have Audi and in the above table we can see that Anuj wants to buy Ford (this means he can't own Ford also) and he can't have Jaguar because at most two people can own a car except Honda and Ford. Thus, Anuj must own BMW and Honda. Since, only Anuj owns Honda we can say that he sells it to Amit.

Now, from the above hint we can say that both Kapil and Parth cannot own Ford because it is given that no two persons own a same set of cars this means either Kapil or Parth owns Ford and whoever among them owns Ford sells it to Anuj.

And after this we can say that both Ravi and Amit owns Ford but either one of Ravi and Amit owns Audi and the other one has a BMW.

At this point we can say that Ravi wants to buy Jaguar and either one of Kapil and Parth (who doesn't sell his car to Anuj) sells it to Ravi.

We will use the rest of the information according to the question

Answers :

1. Following the common explanation, we get
if Anuj buys the car from Parth then Ravi buys the car from Kapil.
Option C, is hence the correct answer.
2. Following the common explanation, we get
if Anuj sells his car to Amit.
Option D, is hence the correct answer.
3. Following the common explanation, we get
either Ravi or Anuj can buy their car from Kapil.
Option E, is hence the correct answer.
4. Following the common explanation, we get
If Ravi sells a car which is also owned by Anuj then Audi is sold by Amit
Option A, is hence the correct answer.
5. Following the common explanation, we get
If Amit sells a car which is also owned by Parth then Ford is sold by Kapil.
Option B, is hence the correct answer.



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