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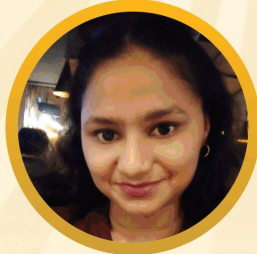
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QUIZ 73

Directions: Read the following information carefully and answer the questions given below.

Seven persons T, U, V, W, X, Y, Z like seven chocolates i.e. Dairy milk, Milky bar, Munch, Perk, 5 star, Ferrero Rocher and Kit Kat. They visited India Gate on different days starting from Monday to Sunday.

- (i) T visited on one of the days after Thursday.
- (ii) Only 4 people visited in between T and U.
- (iii) The one who likes Munch chocolate visited immediately after U.
- (iv) Only one person visited between the one who likes Munch and the one who likes 5 star.
- (v) The one who likes Milky bar chocolate visited one of the days before V.
- (vi) The one who likes Milky bar chocolate did not visit on Monday. W visited before X.
- (vii) Only 1 person is in between W and X. W likes Dairy milk chocolate.
- (viii) The number of persons who visited between T and the who likes 5 star chocolate is one less than the number of persons who visited between U and V.
- (ix) Neither Z nor Y likes Kit Kat. Neither Z nor Y likes milky bar chocolate.
- (x) Z and X did not visit on Saturday and Z doesn't like Ferrero Rocher chocolate.

Correct answers:

1	2	3	4	5
D	B	C	A	E

Common Explanation:

Reference:

- (i) T visits one of the days after Thursday.
- (ii) Only 4 people visited in between T and U.
- (iii) The one who likes Munch chocolate visits immediately after U.
- (iv) Only one person visits between the one who likes Munch and the one who likes 5 star.

Inference:

With the given hints following three cases arise. Case 1 and 2 are the main cases and Case 2A is a sub case of Case 2.

Days	Case 1		Case 2		Case 2A	
	Persons	Chocolates	Persons	Chocolates	Persons	Chocolates
Monday	U			5 star		
Tuesday		Munch	U		U	
Wednesday				Munch		Munch
Thursday		5 star				
Friday						5 star
Saturday	T					
Sunday			T		T	

Reference:

- (viii) The number of persons who visit between T and the who likes 5 star chocolate is one less than the number of persons who visit between U and V.
- (v) The one who likes Milky bar chocolate visits one of the days before V.

(vi) The one who likes Milky bar chocolate does not visit on Monday. W visits before X.

Inference:

Clearly, we can see that number of persons between T and the one who likes 5 star is 1, so number of persons who visit between U and V are $1+1 = 2$.

Case 2 gets eliminated here because the hint (viii) is not fulfilled, the number of persons between T and the one who likes 5 star is 5, which is the maximum number, thus there is no place for V to fix.

Here, we get one more case 2A1 which is a sub case of case 2A.

Days	Case 1		Case 2[Eliminated]		Case 2A		Case 2A1	
	Persons	Chocolates	Persons	Chocolates	Persons	Chocolates	Persons	Chocolates
Monday	U	Milky bar		5 star		Milky bar		Milky bar
Tuesday		Munch	U		U	Milky bar	U	
Wednesday		Milky bar		Munch		Munch		Munch
Thursday	V	5 star						Milky bar
Friday	W	Dairy Milk			V	5 star	V	5 star
Saturday	T							
Sunday	X		T		T		T	

Reference:

(vi) W visits before X.

(vii) Only 1 person is in between W and X. W likes Dairy milk chocolate.

(ix) Neither Z nor Y likes Kit Kat. Neither Z nor Y likes milky bar chocolate.

(x) Z and X do not visit on Saturday and Z doesn't like Ferrero Rocher chocolate.

Inference:

Here Case 1 and Case 2A1 get eliminated due to non-fulfillment of hint (ix).

In Case 1, only two positions are left out of which one is who likes Milky bar and we have only Y and Z left and neither of them likes Milky bar. Thus the case gets eliminated.

Similarly in Case 2A1, two persons are left i.e. y and Z and two positions are left one on Thursday with the one who likes Milky bar and another is on Saturday, we do have hint that Z didn't visit on Saturday, but we also have another hint that Z doesn't like Milkybar. Thus no place left for Z to sit and the case gets eliminated.

So, the final puzzle is solved through case 2A.

Days	Case 1[Eliminated] Hint (ix) violated		Case 2A		Case 2A1 [Eliminated] Hint (ix) violated	
	Persons	Chocolates	Persons	Chocolates	Persons	Chocolates
Monday	U	Milky bar	W	Dairy Milk	W	Dairy Milk
Tuesday		Munch	U	Milky bar	U	
Wednesday		Milky bar	X	Munch	X	Munch
Thursday	V	5 star	Z	Perk		Milky bar
Friday	W	Dairy Milk	V	5 star	V	5 star
Saturday	T		Y	Ferrero Rocher	Y	
Sunday	X		T	Kit Kat	T	

Explanations:

1.

From the following arrangement it is clear that the one who visited just before Y i.e. V likes 5 star.

Hence option D is correct.

2.

From the following arrangement it is clear that T visited on Sunday.

Hence option B is correct.

3.

From the following arrangement it is clear that "U visited on Tuesday" is the only true statement from the given ones.

Hence option C is correct.

4.

From the following arrangement it is clear that "Z visited on Thursday".

Hence option A is correct.

5.

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From the following arrangement it is clear that "Y likes Ferrero Rocher".

Hence option E is correct.



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