

Distribution (Non Structured PS)

#Structure is not given in the introduction of the problems like other, i.e. seating arrangement, blood relation, ranking&ordering...etc.

#Most of the problems will be solved by using “**TABLE METHOD**” for information arrangement.

#We will learn some **important rules** by solving the problems one by one.

So, discussion of the rules is not necessary.

Lets Start:-

Directions for Question 1 to 3: These questions are based on the following information.

Eight boys A through H gathered at a picnic. Each of them brought a different dish among P through W to the picnic. The following information is known about them.

- (1) Neither A nor D brought S. Either B or E brought R.
- (2) Either C or D brought P.
- (3) Either G or F brought U.
- (4) C brought neither S nor V. E brought W.
- (5) Either A or F bought T. Neither G nor H brought S.

Two piece of information:-

- (i) Number of Boys:- 8
- (ii) Number of dishes:-8

#Make anyone of the above is your **First Column** of the table#

- (1) Neither A nor D brought S(**Negation**). Either B or E brought R(**Indirect**).
- (2) Either C or D brought P(**Indirect**).
- (3) Either G or F brought U(**Indirect**).
- (4) C brought neither S nor V(**Indirect**). E brought W(**Direct**).

#Boys	#Dishes		#Negation
A			xS
B	R		
C	P		xS, xV
D		P	xS
E	R	W	
F	U		
G		U	
H			

- (1) Neither A nor D brought S(**Negation**). Either B or E brought R(**Indirect**).
- (2) Either C or D brought P(**Indirect**).
- (3) Either G or F brought U(**Indirect**).
- (4) C brought neither S nor V(**Indirect**). E brought W(**Direct**).
- (5) Either A or F brought T(**Indirect**). Neither G nor H brought S(**Negation**).

#Boys	#Dishes	#Negation
A	T	xS
B	R	
C	P	xS, xV
D	P	xS
E	R	W
F	U	T
G	U	xS
H		xS

- (1) Neither A nor D brought S(**Negation**). Either B or E brought R(**Indirect**).
- (2) Either C or D brought P(**Indirect**).
- (3) Either G or F brought U(**Indirect**).
- (4) C brought neither S nor V(**Indirect**). E brought W(**Direct**).
- (5) Either A or F brought T(**Indirect**). Neither G nor H brought S(**Negation**).

#Boys	#Dishes	#Negation
A	T	xS
B	R	xS
C	P	xS, xV
D	P	xS
E	W	xS
F	U	T
G	U	xS
H		xS

- (1) Neither A nor D brought S(**Negation**). Either B or E brought R(**Indirect**).
- (2) Either C or D brought P(**Indirect**).
- (3) Either G or F brought U(**Indirect**).
- (4) C brought neither S nor V(**Indirect**). E brought W(**Direct**).
- (5) Either A or F brought T(**Indirect**). Neither G nor H brought S(**Negation**).

#Boys	#Dishes	#Negation
A	T	xS
B	R	xS
C	P	xS, xV
D	P	xS
E	W	xS
F	S	
G	U	xS
H		xS

- (1) Neither A nor D brought S(**Negation**). Either B or E brought R(**Indirect**).
- (2) Either C or D brought P(**Indirect**).
- (3) Either G or F brought U(**Indirect**).
- (4) C brought neither S nor V(**Indirect**). E brought W(**Direct**).
- (5) Either A or F brought T(**Indirect**). Neither G nor H brought S(**Negation**).

#Dishes which are left unarranged P, Q and V#

#Boys	#Dishes			#Negation
A	T			xS
B	R			xS
C	P	OR	Q	xS, xV
D	Q	OR	V	xS
E			W	xS
F	S			
G			U	xS
H	Q	OR	V	xS

Q1. Which of the following dishes is brought by A?

- A. T B. U C. W D. V

Answer:-A

Q2. Which of the following is the correct combination of the boy and the dish he bought?

- A. C-T B. B-S C. C-Q D. F-S

Answer:-D

Q3. Who brought the dish V?

- A. A
B. B
C. D
D. Cannot be determined

Answer:- D

#Boys	#Dishes		
A	T		
B	R		
C	P	OR	Q
D	Q	OR	V OR P
E	W		
F	S		
G	U		
H	Q	OR	V

Q4. Which of the following dishes is brought by G?

- A. T B. U C. W D. V

Answer:-B

Q5. If C brought P then who brought dish Q?

- A. D B. H C. Can't Say
D. None of these

Answer:-C

Q6. If H brought Q then Who brought dish P ?

- A. D
B. C
C. D or C
D. Cannot be determined

Answer:- B

#Boys	#Dishes		
A	T		
B	R		
C	P	OR	Q
D	Q	OR	V OR P
E	W		
F	S		
G	U		
H	Q	OR	V

Example:-2- A team of six professors Govind, Manoj, Prasad, Aravind, Bharath, and Raman are scheduled to train newly appointed faculty members.

Each of the professors train the faculty members in a different subject among- Arithmetic, logic, Puremaths, English, currents affairs, and communication skills on a different day among Monday, Tuesday, Wednesday, Thursday, Friday and Saturday of a week.

The following information is available about the scheduled.

- I) Training in Puremaths is scheduled on Tuesday but it is not by Aravind.
- II) Govind's session is scheduled on Wednesday but not in logical reasoning.
- III) Aravind session is scheduled on the day immediately after the day on which Manoj's session is scheduled.
- IV) The session on current affairs and communication skills are scheduled on two consecutive days.
- V) Prasad's session is on English but it is scheduled neither on Monday nor on Saturday.

Three piece of information:-

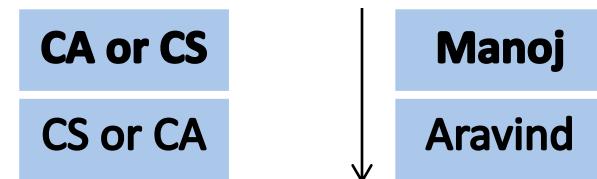
- (i) Number of Professors:- 6
- (ii) Number of Subjects:-6
- (iii) Number of Days:-6 (Ordered)**

#If there is an order or sequencing in anyone of the above, then it should be the **First Column of the table#**

So the "**Name of Days**" is our first column in the table.

- I) Training in Puremaths is scheduled on Tuesday but it is not by Aravind.(Direct info)**
- II) Govind's session is scheduled on Wednesday but not in logical reasoning.(Direct info)**
- III) Aravind session is scheduled on the day immediately after the day on which Manoj's session is scheduled.(Indirect Info)**
- IV)The session on current affairs and communication skills are scheduled on two consecutive days.(Indirect Info)**

- V) Prasad's session is on English but it is scheduled neither on Monday nor on Saturday.(Direct Info)**



#Days	#Professor	#Subjects	#Negation
Mon	Bharath or Raman	Logical Reasoning	xPrasad
Tue	Raman or Bharath	Puremaths	xAravind
Wed	Govind	Arithmetic	xLogical Reasoning
Thur	Prasad	English	
Fri	Manoj	CA or CS	xPrasad
Sat	Aravind	CS or CA	xPrasad

#Days	#Professor	#Subjects	#Negation
Mon	Bharath or Raman	Logical Reasoning	xPrasad
Tue	Raman or Bharath	Puremaths	xAravind
Wed	Govind	Arithmetic	xLogical Reasoning
Thur	Prasad	English	
Fri	Manoj	CA or CS	xPrasad
Sat	Aravind	CS or CA	xPrasad

Q7. Whose session is scheduled on Friday?

- A) Bharath
- B) Raman
- C) Aravind
- D) Manoj
- E) Prasad

Answer:- D

Q8. If Aravind's session is on current affairs then on which day of week is the session on communication skills scheduled?

- A) Tuesday
- B) Wednesday
- C) Thursday
- D) Friday
- E) Saturday

Answer:- D

#Days	#Professor	#Subjects	#Negation
Mon	Bharath or Raman	Logical Reasoning	xPrasad
Tue	Raman or Bharath	Puremaths	xAravind
Wed	Govind	Arithmetic	xLogical Reasoning
Thur	Prasad	English	
Fri	Manoj	CA or CS	xPrasad
Sat	Aravind	CS or CA	xPrasad

Q9. On which day of the week is Prasad's session scheduled?

- A) Tuesday B) Friday C) Thursday D) Wednesday E) Cannot be determined

Answer:- C

Q10. Who is taking training session on Monday?

- A) Bharath B) Raman C) Prasad D) Manoj E) Cannot be determined

Answer:- E

#Days	#Professor	#Subjects	#Negation
Mon	Bharath or Raman	Logical Reasoning	xPrasad
Tue	Raman or Bharath	Puremaths	xAravind
Wed	Govind	Arithmetic	xLogical Reasoning
Thur	Prasad	English	
Fri	Manoj	CA or CS	xPrasad
Sat	Aravind	CS or CA	xPrasad

Q11. Which of the following is correct combination?

- A) Monday, Bharath, Logical Resoning B) Saturday, Aravind, Current Affairs,
- C) Thursday, Prasad, English D) Wednesday, Govind, Puremaths E) None of these

Answer:- C

Example:- Five persons- Prem, Qazi, Ram, Shyam and Tom- are ranked according to their height and weight . In each case one with the height value is ranked first, the second highest is ranked second and so on. Further.

- (I). Prem and Qazi got the first and second rank in one parameter and the fourth and the fifth ranks in the other respectively.
- (II). Tom is ranked below Shyam and Ram in both the parameter.
- (III). Only one person is lighter than Prem.

Three piece of information:-

- (i) Name of Persons:- 5
- (ii) Number of ranks:-5 (Ordered)
- (iii) Type of ranks:-2**

#If there is a piece of information, having minimum number of fields in anyone of the above, then it should be the **First Column** of the table#
So the “**Type of ranks**” is our first column in the table.

Example:- Five persons- Prem, Qazi, Ram, Shyam and Tom- are ranked according to their height and weight . In each case one with the highest value is ranked first, the second highest is ranked second and so on. Further.

- (I). Prem and Qazi got the first and second rank in one parameter and the fourth and the fifth ranks in the other respectively.(Indirect)**
- (II). Tom is ranked below Shyam and Ram in both the parameter.**
- (III). Only one person is lighter than Prem.**

#Ranks	1	2	3	4	5
Height					
Weight					

Example:- Five persons- Prem, Qazi, Ram, Shyam and Tom- are ranked according to their height and weight . In each case one with the highest value is ranked first, the second highest is ranked second and so on. Further.

(I). Prem and Qazi got the first and second rank in one parameter and the fourth and the fifth ranks in the other respectively.

(II). Tom is ranked below Shyam and Ram in both the parameter. (Indirect)

(III). Only one person is lighter than Prem.

#Ranks	1	2	3	4	5
Height					
Weight					

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- (I). Prem and Quazi got the first and second rank in one parameter and the fourth and the fifth ranks in the other respectively.
- (II). Tom is ranked below Shyam and Ram in both the parameter.
- (III). Only one person is lighter than Prem. (Direct)**

#Ranks	1	2	3	4	5
Height	Prem	Quazi	Shyam OR Ram	Ram OR Shyam	Tom
Weight	Shyam OR Ram	Ram OR Shyam	Tom	Prem	Quazi

#Ranks	1	2	3	4	5
Height	Prem	Quazi	Shyam OR Ram	Ram OR Shyam	Tom
Weight	Shyam OR Ram	Ram OR Shyam	Tom	Prem	Quazi

Q1. Who is the tallest among the given person?

- A) Prem
- B) Qazi
- C) Shyam
- D) Ram
- E) Tom

Answer:- A

Q2. How many persons are shorter than Shyam?

- A) 1
- B) 2
- C) 3
- D) Either 1 or 2
- E) Either 2 or 3

Answer:- D

#Ranks	1	2	3	4	5
Height	Prem	Quazi	Shyam OR Ram	Ram OR Shyam	Tom
Weight	Shyam OR Ram	Ram OR Shyam	Tom	Prem	Quazi

Q3. Who is the lightest?

- A) Tom
- B) Shyam
- C) Qazi
- D) Prem
- E) Ram

Answer:-C

Q4. The exact ranks of how many persons can be determined in both the parameters with the available information?

- A) 0
- B) 1
- C) 2
- D) 3
- E) 4

Answer:- D

Example:- Each one of the five players – Anand, Sampras, Beckham, Louis, Ranaldo – play a different games among Chess, Tennis, Football, Badminton, and golf. Each of these hails from a different country among India, U.S, U.K., France and Italy. These five players sit in a row from left to right in the Increasing order of their heights and no two players are the same height.

- I) The tallest player, who is from UK plays football and is sitting next to Anand.
- II) Ronaldo, who sits in between two players sits adjacent to the chess player but is at least two places away from the player from India.
- III) Sampras, Who is from Italy, plays badminton but is not a shortest.
- IV) Beckham plays golf.

Three piece of information:-

- (i) Name of Players:- 5
- (ii) Name of games:-5
- (iii) Number of ranks in height:-5 (Ordered)**

Example:- Each one of the five players – Anand, Sampras, Beckham, Louis, Ranaldo – play a different games among Chess, Tennis, Football, Badminton, and golf. Each of these hails from a different country among India, U.S., U.K., France and Italy. These five players sit in a row from left to right in the Increasing order of their heights and no two players are the same height.

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- IV) Beckham plays golf.

#Ranks	1	2 OR OR	3	4	5
#Players	Beckham	S or R	R or S	Anand	?
#Games	Golf	Badminton	Badminton		Football
#Countries		Italy	Italy		U.K.

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- IV) Beckham plays golf.

#Ranks	1	2 OR OR	3	4	5
#Players	Beckham	S or R	R or S	Anand	?
#Games	Golf	Badminton	Badminton		Football
#Countries		Italy	Italy		U.K.

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- IV) Beckham plays golf.

#Ranks	1	2	3	4	5
#Players	Beckham	S	R	Anand	?
#Games	Golf	Badminton	Tennis	Chess	Football
#Countries	India	Italy			U.K.

Example:- Each one of the five players – Anand, Sampras, Beckham, Louis, Ranaldo – play a different games among Chess, Tennis, Football, Badminton, and golf. Each of these hails from a different country among India, U.S., U.K., France and Italy. These five players sit in a row from left to right in the Increasing order of their heights and no two players are the same height.

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- IV) Beckham plays golf.

#Ranks	1	2	3	4	5
#Players	Beckham	S	R	Anand	Louis
#Games	Golf	Badminton	Tennis	Chess	Football
#Countries	India	Italy	U.S. or France	France or U.S.	U.K.

#Ranks	1	2	3	4	5
#Players	Beckham	S	R	Anand	Louis
#Games	Golf	Badminton	Tennis	Chess	Football
#Countries	India	Italy	U.S. or France	France or U.S.	U.K.

Q1. Anand belongs to which of the following countries?

- I) France
- II) U.S
- III) U.K
- IV) Italy
- V) cannot be determined

Answer:-V

Q2. Beckham is from which country?

- I) India
- II) France
- III) Italy
- IV) U.K
- V) U.S

Answer:-I

#Ranks	1	2	3	4	5
#Players	Beckham	S	R	Anand	Louis
#Games	Golf	Badminton	Tennis	Chess	Football
#Countries	India	Italy	U.S. or France	France or U.S.	U.K.

Q3. Which of the following statement is definitely true?

- I) Ronaldo is from France
- II) Anand is from India
- III) Louis play's Football
- IV) Beckham plays badminton
- V) Anand plays tennis

Answer:-III

Q2. Who is 2nd shortest?

- I) Beckham
- II) Sampras
- III) Louis
- IV) Anand
- V) Ronaldo

Answer:-II

Example:- Four persons, are from four different professions (driver, painter, designer and sweeper), live in the same row of a street and each has a house of a different color (grey, pink, black and green) and a car of a different brand (Maruti, BMW, Mercedes and Mahindra).

They also follow the following conditions:

- The designer lives in a black house
- The Painter has a Maruti.
- The driver's house is at leftmost corner of the street
- The person living in the house next to right most house has a Mercedes.
- The sweeper has a Mahindra.
- The person living in pink house has a Maruti
- The Green house is situated to right of the Black house.

- The designer lives in a black house. *Designer — Black
- The Painter has a Maruti. *Painter — Maruti
- The driver's house is at leftmost corner of the street.
- The person living in the house next to right most house has a Mercedes.
- The sweeper has a Mahindra. *Sweeper — Mahindra
- The person living in pink house has a Maruti *Painter — Pink — Maruti
- The Green house is situated to right of the Black house.

*Black,Green house

#Houses	1	2	3	4
#Profession	Driver			
#Color Of House				
#Car			Mercedes	

#Houses	1	2	3	4
#Profession	Driver	Painter	Designer	Sweeper
#Color Of House	Grey	Pink	Black	Green
#Car	BMW	Maruti	Mercedes	Mahindra

- The person living in pink house has a Maruti *Painter — Pink — Maruti
 - The sweeper has a Mahindra. *Sweeper — Mahindra
 - The designer lives in a black house. *Designer — Black
 - The Green house is situated to right of the Black house.
- *Black,Green house

#Houses	1	2	3	4
#Profession	Driver	Sweeper	Designer	Painter
#Color Of House			Black	Pink
#Car		Mahindra	Mercedes	Maruti

#Houses	1	2	3	4
#Profession	Driver	Painter	Designer	Sweeper
#Color Of House	Grey	Pink	Black	Green
#Car	BMW	Maruti	Mercedes	Mahindra

#Houses	1	2	3	4
#Profession	Driver	Painter	Designer	Sweeper
#Color Of House	Grey	Pink	Black	Green
#Car	BMW	Maruti	Mercedes	Mahindra

Question 1: The owner of the Mercedes is

- (a) Driver
- (b) Designer
- (c) Sweeper
- (d) None of these

Answer 1: (b)

Question 2: The Driver has a

- (a) Mercedes
- (b) BMW
- (c) Maruti
- (d) Mahindra

Answer 2 : (b)

#Houses	1	2	3	4
#Profession	Driver	Painter	Designer	Sweeper
#Color Of House	Grey	Pink	Black	Green
#Car	BMW	Maruti	Mercedes	Mahindra

Question 3: The color of Sweeper's house is

- (a) Grey
- (b) Green
- (c) Pink
- (d) Black

Answer 3 : (b)

Question 4: Which of the following is false?

- (a) Mercedes is owned by the owner of Black house
- (b) The Painter has the pink color house
- (c) The sweeper's house is in corner of the street
- (d) The Painter's house is next to Sweeper's house

Answer 4 : (d)

#Houses	1	2	3	4
#Profession	Driver	Painter	Designer	Sweeper
#Color Of House	Grey	Pink	Black	Green
#Car	BMW	Maruti	Mercedes	Mahindra

Question 5: Which one of the following pairs is correct?

- (a) Mercedes, Designer, Pink
- (b) BMW, Designer, Black
- (c) Maruti, Painter, Grey
- (d) Mahindra, Sweeper, Green

Answer 5 : (d)

Example: These questions are based on the following information.

Each of the five persons- Suman, Tarun, Uday, Yadav and Gopal is the owner of a field in a different city among A through E. Each of them planted different kinds of plants among guava, mango, apple, banana and watermelon.

The following is known about them.

- (1) Mango plants are not planted in the city A. Uday planted apple.
- (2) One among banana and guava plants is planted by one among Tarun and Gopal in city E.
- (3) Tarun planted watermelon and Suman does not own a field in city C.
- (4) Neither apple nor mango plants are planted either in city C or in city D.
- (5) Tarun does not have a field in D.

#Person	#Plantation	#Cities	#Negation
Suman			
Tarun			
Uday			
Yadav			
Gopal			

- (1) Mango plants are not planted in the city A. Uday planted apple.
- (2) One among banana and guava plants is planted by one among Tarun and Gopal in city E.
- (3) Tarun planted watermelon and Suman does not own a field in city C.
- (4) Neither apple nor mango plants are planted either in city C or in city D.
- (5) Tarun does not have a field in D.

Mango $\longleftrightarrow \text{X} \rightarrowtail \text{A}$,

Guava/Banana $\longrightarrow \text{Tarun/Gopal} \longrightarrow \text{E}$

#Person	#Plantation	#Cities	#Negation
Suman			$\times C$
Tarun	Watermelon		
Uday	Apple		
Yadav			
Gopal			

- (1) Mango plants are not planted in the city A. Uday planted apple.
- (2) One among banana and guava plants is planted by one among Tarun and Gopal in city E.
- (3) Tarun planted watermelon and Suman does not own a field in city C.
- (4) Neither apple nor mango plants are planted either in city C or in city D.
- (5) Tarun does not have a field in D.

Mango \longleftrightarrow A, C, D

Mango \longrightarrow B

Guava/Banana \longrightarrow Tarun/Gopal \longrightarrow E

#Person	#Plantation	#Cities	#Negation
Suman	Mango OR (Guava/Banana)	B OR D	\times C
Tarun	Watermelon	C	\times D
Uday	Apple	A	\times C, \times D
Yadav	(Guava/Banana) OR Mango	D OR B	
Gopal	Guava/Banana	E	

#Person	#Plantation	#Cities
Suman	Mango OR (Guava/Banana)	B OR D
Tarun	Watermelon	C
Uday	Apple	A
Yadav	(Guava/Banana) OR Mango	D OR B
Gopal	Guava/Banana	E

Q1. If yadav planted guava, then who owns a field in city B?

- A. Uday
- B. Yadav
- C. Suman
- D. Tarun

Answer: C

Q2. Who owns a field in city A?

- A. Uday
- B. Yadav
- C. Tarun
- D. Suman

Answer: A

#Person	#Plantation	#Cities
Suman	Mango OR (Guava/Banana)	B OR D
Tarun	Watermelon	C
Uday	Apple	A
Yadav	(Guava/Banana) OR Mango	D OR B
Gopal	Guava/Banana	E

Q3. Who own a field in the city C?

- A. Yadav
- B. Gopal
- C. Tarun
- D. Uday

Answer: C

Q4. If Suman planted mango plants, then which among the following is planted in the city D?

- A. Banana
- B. Guava
- C. Watermelon
- D. Cannot be determined

Answer: D

#Person	#Plantation	#Cities
Suman	Mango OR (Guava/Banana)	B OR D
Tarun	Watermelon	C
Uday	Apple	A
Yadav	(Guava/Banana) OR Mango	D OR B
Gopal	Guava/Banana	E

Q5. If guava's plantation in city E, then which among the following is planted in city D?

- A. Banana
- B. Guava
- C. Watermelon
- D. Cannot be determined
- E. None of these

Answer: A

#Person	#Plantation	#Cities
Suman	Mango OR (Guava/Banana)	B OR D
Tarun	Watermelon	C
Uday	Apple	A
Yadav	(Guava/Banana) OR Mango	D OR B
Gopal	Guava/Banana	E

Q6. If Suman's plantation in city D, then which among the following is planted by Yadav?

- A. Banana
- B. Guava
- C. Watermelon
- D. Cannot be determined
- E. None of these

Answer: E

Example:-These questions are based on the following information.

Twelve disciples Aman, Arjun, Arhan, Amith, Akhil, Ajay, Bhuvan, Bharath, Balu, Bharani, Dharani and Danush were sent to different countries across the world among India, US, Bangladesh, Nepal, Bhutan and UK to spread the teachings of their Guru.

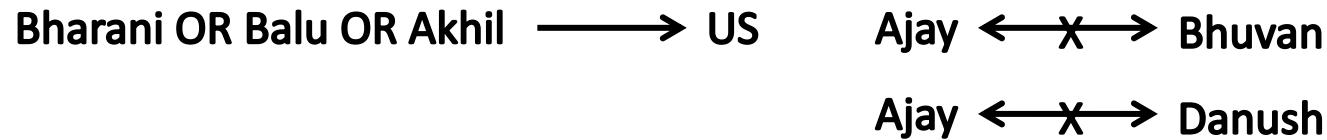
- (i) Exactly two disciples were sent to each country.
- (ii) Bharath and Dharani were sent to the same country, which is neither Bhutan nor the US.
- (iii) Aman and Ajay were sent to a different country among UK and Bangladesh. Bhuvan was neither sent to Bhutan nor was he sent along with Ajay.
- (iv) Aman and Balu were sent to the same country. Danush and Ajay were sent to different countries. Danush was not sent to the US.
- (v) One among Bharani, Balu and Akhil was sent to the US. The remaining two disciples were sent to different countries.
- (vi) The disciples having the same first letter in their names and also the same ending letters in their names were sent to Nepal.
- (vii) The disciples who were sent to the same country, Except Nepal, do not have the same starting letter of their names.

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Ajay \longleftrightarrow Bhuvan

#Country	#Disciples	#Negation and Comments
India		
US		XBharath, XDharani
Bangladesh	Ajay OR Aman	
Nepal		
Bhutan		XBharath, XDharani, XBhuvan
UK	Aman OR Ajay	

- (iv) Aman and Balu were sent to the same country. Danush and Ajay were sent to different countries. Danush was not sent to the US.
- (v) One among Bharani, Balu and Akhil was sent to the US. The remaining two disciples were sent to different countries.
- (vi) The disciples having the same first letter in their names and also the same ending letters in their names were sent to Nepal.
- (vii) The disciples who were sent to the same country, Except Nepal, do not have the same starting letter of their names.



#Country	#Disciples	#Negation and Comments
India		
US		XBharath, Xdharani, XDanush
Bangladesh	Ajay OR (Aman and Balu)	
Nepal		
Bhutan		XBharath, Xdharani, XBhuvan
UK	(Aman and Balu) OR Ajay	

- (iv) Aman and Balu were sent to the same country. Danush and Ajay were sent to different countries. Danush was not sent to the US.
- (v) One among Bharani, Balu and Akhil was sent to the US. The remaining two disciples were sent to different countries.
- (vi) The disciples having the same first letter in their names and also the same ending letters in their names were sent to Nepal.
- (vii) The disciples who were sent to the same country, Except Nepal, do not have the same starting letter of their names.

Bharani OR Balu OR Akhil → US Ajay ← X → Bhuvan
 Ajay ← X → Danush

#Country	#Disciples	#Negation and Comments
India		
US		XBharath, XDharani, XDanush
Bangladesh	Ajay OR (Aman and Balu)	
Nepal		
Bhutan		XBharath, XDharani, XBhuvan
UK	(Aman and Balu) OR Ajay	

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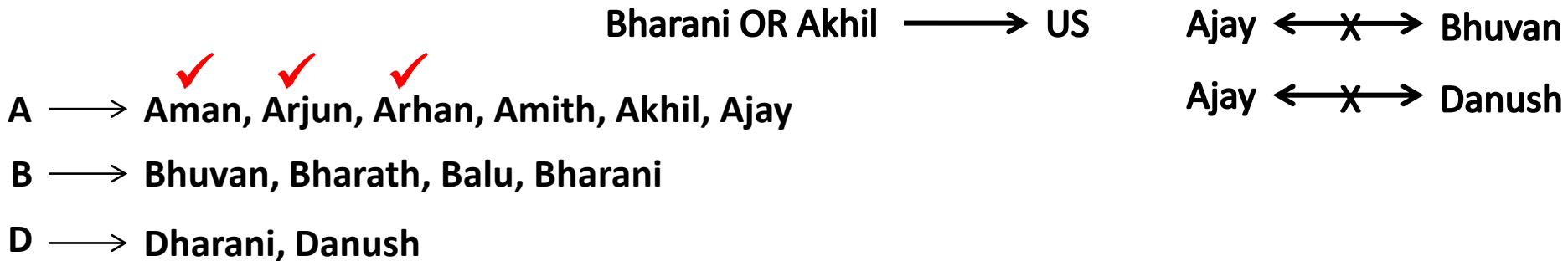


#Country	#Disciples	#Negation and Comments
India		
US		XBharath, Xdharani, XDanush
Bangladesh	Ajay OR (Aman and Balu)	
Nepal		
Bhutan		XBharath, Xdharani, XBhuvan
UK	(Aman and Balu) OR Ajay	

(v) The remaining two disciples were sent to different countries.

(vi) The disciples having the same first letter in their names and also the same ending letters in their names were sent to Nepal.

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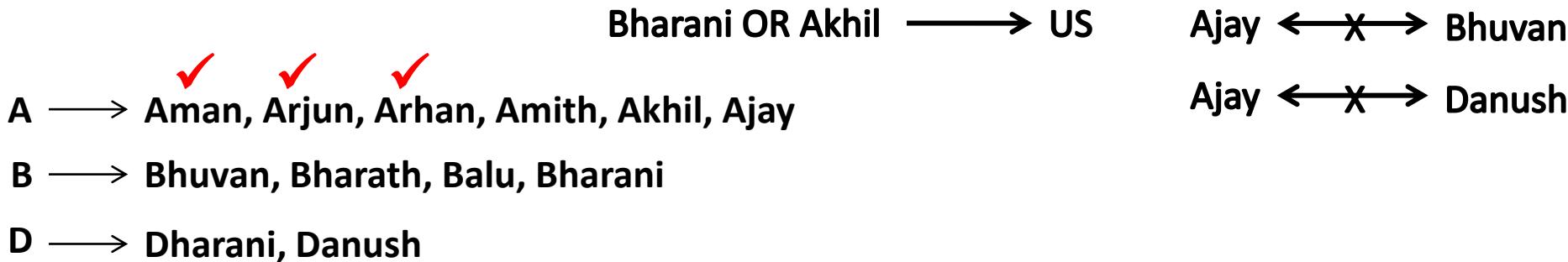


#Country	#Disciples	#Negation and Comments
India		
US		XBharath, Xdharani, XDanush
Bangladesh	Ajay OR (Aman and Balu)	
Nepal		
Bhutan		XBharath, Xdharani, XBhuvan
UK	(Aman and Balu) OR Ajay	

(v) The remaining two disciples were sent to different countries.

(vi) The disciples having the same first letter in their names and also the same ending letters in their names were sent to Nepal.

(vii) The disciples who were sent to the same country, Except Nepal, do not have the same starting letter of their names.



#Country	#Disciples	#Negation and Comments
India	Bharath and Dharani	
US		XBharath, XDharani, XDanush
Bangladesh	Ajay OR (Aman and Balu)	
Nepal	Arjun and Arhan	
Bhutan		XBharath, XDharani, XBhuvan
UK	(Aman and Balu) OR Ajay	

(v) The remaining two disciples were sent to different countries.

(vii) The disciples who were sent to the same country, Except Nepal, do not have the same starting letter of their names.

Bharani OR Akhil → US

Ajay ← X → Bhuvan

A → Aman, Arjun, Arhan, Amith, Akhil, Ajay

Ajay ← X → Danush

B → Bhuvan, Bharath, Balu, Bharani

D → Dharani, Danush

#Country	#Disciples	#Negation and Comments
India	Bharath and Dharani	
US		XDanush
Bangladesh	Ajay OR (Aman and Balu)	
Nepal	Arjun and Arhan	
Bhutan		XBhuvan
UK	(Aman and Balu) OR Ajay	

(v) The remaining two disciples were sent to different countries.

(vii) The disciples who were sent to the same country, Except Nepal, do not have the same starting letter of their names.

A → Amith, Akhil, Ajay ✓

B → Bhuvan, Bharani ✓

D → Danush X

Bharani OR Akhil → US

Ajay ↔ X → Bhuvan

Ajay ↔ X → Danush

#Country	#Disciples	#Negation and Comments
India	Bharath and Dharani	
US		XDanush
Bangladesh	Ajay OR (Aman and Balu)	
Nepal	Arjun and Arhan	
Bhutan		XBhuvan
UK	(Aman and Balu) OR Ajay	

(v) The remaining two disciples were sent to different countries.

(vii) The disciples who were sent to the same country, Except Nepal, do not have the same starting letter of their names.

Bharani OR Akhil → US Ajay ← → Bharani

A → Amith, Akhil

Akhil and Bhuvan → US

B → **Bhuvan**

D → Danush

#Country	#Disciples	#Negation and Comments
India	Bharath and Dharani	
US	Akhil and Bhuvan	XDanush
Bangladesh	Ajay OR (Aman and Balu)	
Nepal	Arjun and Arhan	
Bhutan		XBhuvan
UK	(Aman and Balu) OR Ajay	

Ajay \longleftrightarrow Bharani

A \longrightarrow Amith

D \longrightarrow Danush

#Country	#Disciples	#Negation and Comments
India	Bharath and Dharani	
US	Akhil and Bhuvan	
Bangladesh	(Ajay and Bharani) OR (Aman and Balu)	
Nepal	Arjun and Arhan	
Bhutan	Amith and Danush	
UK	(Aman and Balu) OR (Ajay and Bharani)	

#Country	#Disciples
India	Bharath and Dharani
US	Akhil and Bhuvan
Bangladesh	(Ajay and Bharani) OR (Aman and Balu)
Nepal	Arjun and Arhan
Bhutan	Amith and Danush
UK	(Aman and Balu) OR (Ajay and Bharani)

Q1. Which group of disciples were sent to India?

- A. Akhil, Bhuvan B. Ajay, Bharani C. Bhuvan, Amith D. Bharath, Dharani

Answer: D

Q2. If Aman was sent to Bangladesh, then Bharani was sent to..... .

- A. India B. U.K. C. U.S. D. None of these

Answer: B

#Country	#Disciples
India	Bharath and Dharani
US	Akhil and Bhuvan
Bangladesh	(Ajay and Bharani) OR (Aman and Balu)
Nepal	Arjun and Arhan
Bhutan	Amith and Danush
UK	(Aman and Balu) OR (Ajay and Bharani)

Q3. Amith was sent to which country?

- A. India
- B. Bangladesh
- C. Bhutan
- D. UK

Answer: C

Q4. Bhuvan was sent to which country?

- A. US
- B. Nepal
- C. Bhutan
- D. Bhutan

Answer: A

#Country	#Disciples
India	Bharath and Dharani
US	Akhil and Bhuvan
Bangladesh	(Ajay and Bharani) OR (Aman and Balu)
Nepal	Arjun and Arhan
Bhutan	Amith and Danush
UK	(Aman and Balu) OR (Ajay and Bharani)

Q5. Which group of disciples were sent to Bangladesh?

- A. Akhil, Bhuvan
- B. Ajay, Bharani
- C. Bhuvan, Amith
- D. Bharath, Dharani

Answer: B

Example:- These questions are based on the following information.

In a garden there are seven different flower pots A, B, C, D, E, F and G, each of which is having a different flower among Buttercup, Carnation, Columbine, Crocus, Clover, Dahlia and Foxglove.

Each of the seven butterflies P, Q, R, S, T, U and V feed on a different flower among the given but not necessarily in the same order.

- (i) P feeds on the flower, which is in E.
- (ii) Dahlia is not in pot F. S feeds on Crocus.
- (iii) Columbine is in A, but neither U nor S feeds on that.
- (iv) V and Q feed on Clover and Dahlia, which are in B and F.
- (v) P and T feed on Carnation and Foxglove, but neither feeds on the flowers which is either in pot C or D.
- (vi) If T feeds on Columbine, then Columbine is not in A.
- (vii) E contains either Foxglove or Carnation

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- (vi) If T feeds on Columbine, then Columbine is not in A.
- (vii) E contains either Foxglove or Carnation.

Pots	Flowers	Butterflies	Negation
A			
B			
C			
D			
E			
F			
G			

- (i) P feeds on the flower, which is in E.
- (ii) Dahlia is not in pot F. S feeds on Crocus.
- (iii) Columbine is in A, but neither U nor S feeds on that.
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Pots	Flowers	Butterflies	Negation
A			
B			
C			
D			
E		P	
F			
G			

- (ii) Dahlia is not in pot F. S feeds on Crocus.**
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- (iv) V and Q feed on Clover and Dahlia, which are in B and F.**
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- (vi) If T feeds on Columbine, then Columbine is not in A.**
- (vii) E contains either Foxglove or Carnation.**

S feeds on Crocus.

Pots	Flowers	Butterflies	Negation
A			
B			
C			
D			
E		P	
F			XDahlia
G			

(iii) Columbine is in A, but neither U nor S feeds on that.

(iv) V and Q feed on Clover and Dahlia, which are in B and F.

(v) P and T feed on Carnation and Foxglove, but neither feeds on the flowers which is either in pot C or D.

(vi) If T feeds on Columbine, then Columbine is not in A.

(vii) E contains either Foxglove or Carnation.

S feeds on Crocus.

Pots	Flowers	Butterflies	Negation
A	Columbine		XU, XS
B			
C			
D			
E		P	
F			XDahlia
G			

(iv) V and Q feed on Clover and Dahlia, which are in B and F.

(v) P and T feed on Carnation and Foxglove, but neither feeds on the flowers which is either in pot C or D.

(vi) If T feeds on Columbine, then Columbine is not in A.

(vii) E contains either Foxglove or Carnation.

S feeds on Crocus.

Pots	Flowers	Butterflies	Negation
A	Columbine		XS, XU
B	Clover OR Dahlia		
C			
D			
E		P	
F	Dahlia OR Clover		XDahlia
G			

(iv) V and Q feed on Clover and Dahlia, which are in B and F.

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(vii) E contains either Foxglove or Carnation.

S feeds on Crocus.

Pots	Flowers	Butterflies	Negation
A	Columbine		XS, XU
B	Clover OR Dahlia	V or Q	
C			
D			
E		P	
F	Dahlia OR Clover	Q or V	XDahlia
G			

(iv) V and Q feed on Clover and Dahlia, which are in B and F.

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S feeds on Crocus.

Pots	Flowers	Butterflies	Negation
A	Columbine		XS, XU
B	Dahlia	V or Q	
C			
D			
E		P	
F	Clover	Q or V	XDahlia
G			

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(vii) E contains either Foxglove or Carnation.

S feeds on Crocus.

Pots	Flowers	But terf lies	Negation
A	Columbine		XS, XU
B	Dahlia	V or Q	
C			
D			
E	Carnation OR Foxglove	P	
F	Clover	Q or V	XDahlia
G	Foxglove OR Carnation	T	

(vi) If T feeds on Columbine, then Columbine is not in A. **#Garbage Information#**

(vii) E contains either Foxglove or Carnation.

#Garbage Information#

S feeds on Crocus.

Pots	Flowers	Butterflies	Negation
A	Columbine		XS, XU
B	Dahlia	V or Q	
C			
D			
E	Carnation OR Foxglove	P	
F	Clover	Q or V	XDahlia
G	Foxglove OR Carnation	T	

Pots	Flowers	But terf lies	Negation
A	Columbine	R	XS, XU
B	Dahlia	V or Q	
C			
D			
E	Carnation OR Foxglove	P	
F	Clover	Q or V	XDahlia
G	Foxglove OR Carnation	T	

S feeds on Crocus.

R feeds on Columbine.

#Flowers

Buttercup, Carnation, Columbine, **Crocus**,
Clover, Dahlia and Foxglove.

#Butterflies

P, Q, R, **S**, T, **U** and V

S feeds on Crocus.

U feeds on Buttercup.

Pots	Flowers	Butterflies	Negation
A	Columbine	R	XS, XU
B	Dahlia	V or Q	
C	Crocus	S	
	Buttercup	U	
D	Buttercup	U	
	Crocus	S	
E	Carnation OR Foxglove	P	
F	Clover	Q or V	XDahlia
G	Foxglove OR Carnation	T	

Q1. Which butterfly feeds on Buttercup?

- A. P
- B. R
- C. U
- D. Cannot be determined

Answer:- C

Pots	Flowers	Butterflies	Negation
A	Columbine	R	XS, XU
B	Dahlia	V or Q	
C	Crocus	S	
	Buttercup	U	
D	Buttercup	U	
	Crocus	S	
E	Carnation OR Foxglove	P	
F	Clover	Q or V	XDahlia
G	Foxglove OR Carnation	T	

Q2. Foxglove is in which flower pot?

- A. B
- B. E
- C. G
- D. Cannot be determined

Answer:- D

Pots	Flowers	Butterflies	Negation
A	Columbine	R	XS, XU
B	Dahlia	V or Q	
C	Crocus	S	
	Buttercup	U	
D	Buttercup	U	
	Crocus	S	
E	Carnation OR Foxglove	P	
F	Clover	Q or V	XDahlia
G	Foxglove OR Carnation	T	

Q3. If Crocus is in C, then which flower is in D?

- A. Clover
- B. Dahlia
- C. Foxglove
- D. Buttercup

Answer:- D

Pots	Flowers	Butterflies	Negation
A	Columbine	R	XS, XU
B	Dahlia	V or Q	
C	Crocus	S	
	Buttercup	U	
D	Buttercup	U	
	Crocus	S	
E	Carnation OR Foxglove	P	
F	Clover	Q or V	XDahlia
G	Foxglove OR Carnation	T	

Q4. If V feeds on Dahlia, then Q feeds on.....

- A. Buttercup
- B. Foxglove
- C. Clover
- D. None of these

Answer:- C

Pots	Flowers	Butterflies	Negation
A	Columbine	R	XS, XU
B	Dahlia	V or Q	
C	Crocus	S	
	Buttercup	U	
D	Buttercup	U	
	Crocus	S	
E	Carnation OR Foxglove	P	
F	Clover	Q or V	XDahlia
G	Foxglove OR Carnation	T	

Example:- These questions are based on the following information.

Two female models Malaika and Deepti and two male models – Dino and John are selected as model for advertisement of four soap – Lux, Santoor, Pears, and Dove. Each model feature in the advertisement of exactly two different soaps. Each advertisement features one male and one female model only. No two advertisements feature the same pair of models. Each advertisement is scheduled to be shot in a different location from among Mauritius, Caribbean Island, Hawai and Monaco the following information is also known:

- I) The male model scheduled to shoot in Mauritius and Monaco does not feature in the advertisement of Santoor and Pears.
- II) Malaika is scheduled to shoot in Hawai but does not feature in the Santoor Advertisement.
- III) The Lux Advertisement does not feature John and Deepti.

	Mauritius	Caribbean Island	Hawai	Monaco	#Negation
Male					
Female					

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- III) The Lux Advertisement does not feature John and Deepti.

	Mauritius	Caribbean Island	Hawai	Monaco	#Negation
Male	John/Lux or Dove Or Dino/Dove or Lux			Dino/Lux or Dove Or John/Dove or Lux	
Female		Deepti/Santoor	Malaika/Pears		

Example:- These questions are based on the following information.

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- III) The Lux Advertisement does not feature John and Deepti.

	Mauritius	Caribbean Island	Hawai	Monaco	#Negation
Male	John/Dove Or Dino/Lux	Dino/Santoor	John/Pears	Dino/Lux Or John/Dove	
Female	Deepti/Dove Or Malaika/Lux	Deepti/Santoor	Malaika/Pears	Malaika/Lux Or Deepti/Dove	

	Mauritius	Caribbean Island	Hawai	Monaco	#Negation
Male	John/Dove Or Dino/Lux	Dino/Santoor	John/Pears	Dino/Lux Or John/Dove	
Female	Deepti/Dove Or Malaika/Lux	Deepti/Santoor	Malaika/Pears	Malaika/Lux Or Deepti/Dove	

Q1). Which of the following pairs is scheduled to shoot in the Caribbean Island ?

- I) Malaika- Dino
- II) Malaika – John
- III) Deepti- Dino
- IV) Cannot be determined
- V) Deepti- John

Answer:- III)

	Mauritius	Caribbean Island	Hawai	Monaco	#Negation
Male	John/Dove Or Dino/Lux	Dino/Santoor	John/Pears	Dino/Lux Or John/Dove	
Female	Deepti/Dove Or Malaika/Lux	Deepti/Santoor	Malaika/Pears	Malaika/Lux Or Deepti/Dove	

Q2). If Dino is scheduled to shoot in Mauritius , which of the following combinations correspond to Manaco ?

- I) Dove- Malaika
- II) Deepti- Lux
- III) John – Santoor
- IV) Cannot be determined
- V) Dove – Deepti

Answer:- V)

	Mauritius	Caribbean Island	Hawai	Monaco	#Negation
Male	John/Dove Or Dino/Lux	Dino/Santoor	John/Pears	Dino/Lux Or John/Dove	
Female	Deepti/Dove Or Malaika/Lux	Deepti/Santoor	Malaika/Pears	Malaika/Lux Or Deepti/Dove	

Q3). In how many different ways can the combinations be formed with the given data?

- I) 8
- II) 6
- III) 5
- IV) 2
- V) 4

Answer:- IV)

Example:- These questions are based on the following information.

Seven bands were scheduled to perform during the weeklong music festival at XLRI. The festival began on a Monday evening and ended on the Sunday evening. Each day only one band performed. Each band performed only once. The organizing committee had the task of scheduling the performances of the seven bands – Catlis, Axiom, Enima, Ballon, Fill, Dhinchak and Bodhiratna . The festival schedule followed the following conditions:

- (1) The performance of Bodhiratna, the home band of XLRI, did not precede the performance of any other band.
- (2) Among the visiting bands three were Roz bands and the other three were Farzi bands.
- (3) All three bands of the same genre were not allowed to perform three days consecutively, Ballon, which was a Roz band, refused to perform immediately before or after Fill.
- (4) Mirza, who was a lead vocalist with a Roz band, refused to perform after Angelina.
- (5) Angelina was the only female lead vocalist in the music fest.
- (6) Bonny was with the band Enima.
- (7) Angelina refused to perform after Thursday citing personal reasons.
- (8) Ali, who was the lead vocalist of a Roz band, was not with the band Dhinchak, and did not perform on Saturday.
- (9) Siddharth, the lead vocalist of the Roz band Catlis, could perform only on Monday.
- (10) Rahul, the lead vocalist of one of the Farzi bands, was with Fill and performed on Wednesday.
- (11) None of the bands performed in absence of their lead vocalist.

- (1) The performance of Bodhiratna, the home band of XLRI, did not precede the performance of any other band.
- (2) Among the visiting bands three were Roz bands and the other three were Farzi bands.
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- (10) Rahul, the lead vocalist of one of the Farzi bands, was with Fill and performed on Wednesday.

#Days	#Genre	#Band	#Singer	#Negation
Mon				
Tue				
Wed				
Thur				
Fri				
Sat				
Sun		Bodhiratna		

- (2) Among the visiting bands three were Roz bands and the other three were Farzi bands.
- (3) All three bands of the same genre were not allowed to perform three days consecutively, Ballon, which was a Roz band, refused to perform immediately before or after Fill.
- (4) Mirza, who was a lead vocalist with a Roz band, refused to perform after Angelina.
- (5) Angelina was the only female lead vocalist in the music fest.
- (6) Bonny was with the band Enima.
- (7) Angelina refused to perform after Thursday citing personal reasons.
- (8) Ali, who was the lead vocalist of a Roz band, was not with the band Dhinchak, and did not perform on Saturday.
- (9) Siddharth, the lead vocalist of the Roz band Catlis, could perform only on Monday.
- (10) Rahul, the lead vocalist of one of the Farzi bands, was with Fill and performed on Wednesday. (11) None of the bands performed in absence of their lead vocalist.

Roz bands are 3 and Farzi bands are 3

#Days	#Genre	#Band	#Singer	#Negation
Mon				
Tue				
Wed				
Thur				
Fri				
Sat				
Sun		Bodhiratna		

(3) All three bands of the same genre were not allowed to perform three days consecutively, Ballon, which was a Roz band, refused to perform immediately before or after Fill.

(4) Mirza, who was a lead vocalist with a Roz band, refused to perform after Angelina.

(5) Angelina was the only female lead vocalist in the music fest.

(6) Bonny was with the band Enima.

(7) Angelina refused to perform after Thursday citing personal reasons.

(8) Ali, who was the lead vocalist of a Roz band, was not with the band Dhinchak, and did not perform on Saturday.

(9) Siddharth, the lead vocalist of the Roz band Catlis, could perform only on Monday.

(10) Rahul, the lead vocalist of one of the Farzi bands, was with Fill and performed on Wednesday. (11). None of the bands performed in absence of their lead vocalist.

Roz Farzi

Roz → 3

Roz X Farzi X

Farzi → 3

Roz Farzi

xFill

Ballon(Roz)

xFill

#Days	#Genre	#Band	#Singer	#Negation
Mon				
Tue				
Wed				
Thur				
Fri				
Sat				
Sun		Bodhiratna		

(4) Mirza, who was a lead vocalist with a Roz band, refused to perform after Angelina.

(5) Angelina was the only female lead vocalist in the music fest.

(6) Bonny was with the band Enima.

(7) Angelina refused to perform after Thursday citing personal reasons.

(8) Ali, who was the lead vocalist of a Roz band, was not with the band Dhinchak, and did not perform on Saturday.

(9) Siddharth, the lead vocalist of the Roz band Catlis, could perform only on Monday.

(10) Rahul, the lead vocalist of one of the Farzi bands, was with Fill and performed on Wednesday.

(11) None of the bands performed in absence of their lead vocalist.

Roz	→ 3	Roz	Farzi	Angelina(-)	xFill
Farzi	→ 3	Roz	X Farzi X	xMirza(Roz)	Ballon(Roz)

#Days	#Genre	#Band	#Vocalist	#Negation
Mon				
Tue				
Wed				
Thur				
Fri				
Sat				
Sun		Bodhiratna		

(6) Bonny was with the band Enima.

(7) Angelina refused to perform after Thursday citing personal reasons.

(8) Ali, who was the lead vocalist of a Roz band, was not with the band Dhinchak, and did not perform on Saturday.

(9) Siddharth, the lead vocalist of the Roz band Catlis, could perform only on Monday.

(10) Rahul, the lead vocalist of one of the Farzi bands, was with Fill and performed on Wednesday.

(11) None of the bands performed in absence of their lead vocalist.

Roz → 3 Roz Farzi
Roz X Farzi X
Farzi → 3 Roz Farzi

Bonny's band Enima

Angelina(-) xFill
xMirza(Roz) Ballon(Roz)
xFill

#Days	#Genre	#Band	#Vocalist	#Negation
Mon				
Tue				
Wed				
Thur				
Fri				
Sat				
Sun		Bodhiratna		

(7) Angelina refused to perform after Thursday citing personal reasons.

(8) Ali, who was the lead vocalist of a Roz band, was not with the band Dhinchak, and did not perform on Saturday.

(9) Siddharth, the lead vocalist of the Roz band Catlis, could perform only on Monday.

(10) Rahul, the lead vocalist of one of the Farzi bands, was with Fill and performed on

(11) Wednesday. None of the bands performed in absence of their lead vocalist.

Roz → 3 Roz Farzi
Roz X Farzi X
Farzi → 3 Roz Farzi

Bonny's band Enima

Angelina(-) xFill
xMirza(Roz) Ballon(Roz)
xFill

#Days	#Genre	#Band	#Vocalist	#Negation
Mon				
Tue				
Wed				
Thur				
Fri				xAngelina
Sat				xAngelina
Sun		Bodhiratna		xAngelina

(8) Ali, who was the lead vocalist of a Roz band, was not with the band Dhinchak, and did not perform on Saturday.

(9) Siddharth, the lead vocalist of the Roz band Catlis, could perform only on Monday.

(10) Rahul, the lead vocalist of one of the Farzi bands, was with Fill and performed on Wednesday.

(11) None of the bands performed in absence of their lead vocalist.

Roz → 3 Roz Farzi
Roz X Farzi X
Farzi → 3 Roz Farzi

Ali(Roz) ← X → Dhinchak

Bonny's band Enima

Angelina(-) xFill
xMirza(Roz) Ballon(Roz)
xFill

#Days	#Genre	#Band	#Vocalist	#Negation
Mon	Roz	Catlis	Siddharth	
Tue				
Wed				
Thur				
Fri				xAngelina
Sat				xAngelina xAli
Sun		Bodhiratna		xAngelina

(10) Rahul, the lead vocalist of one of the Farzi bands, was with Fill and performed on Wednesday.

(11) None of the bands performed in absence of their lead vocalist.

#Bodhiratna is home band so it does not have genre but Ali's band is from "Roz" genre#

	Roz	Farzi
Roz → 3	Roz X	Farzi X
Farzi → 3	Roz	Farzi

Ali(Roz) ← X → Dhinchak

Bonny's band Enima

Angelina(-)	xFill
xMirza(Roz)	Ballon(Roz)
	xFill

#Days	#Genre	#Band	#Vocalist	#Negation
Mon	Roz	Catlis	Siddharth	
Tue	Roz		Mirza	
Wed	Farzi	Fill	Rahul	
Thur			Angelina	
Fri	Roz		Ali	xAngelina
Sat				xAngelina xAli
Sun		Bodhiratna		xAngelina xAli

(11) None of the bands performed in absence of their lead vocalist.

#All three “Roz” genre bands are arranged#

#Unarranged bands are Dhinchak and Axiom#

Roz → 3 Roz Farzi
 Roz X Farzi X
 Farzi → 3 Roz Farzi

Bonny's band Enima

xFill
 Ballon(Roz)
 xFill

#Days	#Genre	#Band	#Vocalist	#Negation
Mon	Roz	Catlis	Siddharth	
Tue	Roz	Dhinchak/Axiom	Mirza	
Wed	Farzi	Fill	Rahul	
Thur	Farzi	Axiom/Dhinchak	Angelina	
Fri	Roz	Ballon	Ali	xAngelina
Sat	Farzi	Enima	Bonny	xAngelina xAli
Sun		Bodhiratna		xAngelina

#Days	#Genre	#Band	#Vocalist
Mon	Roz	Catlis	Siddharth
Tue	Roz	Dhinchak/Axiom	Mirza
Wed	Farzi	Fill	Rahul
Thur	Farzi	Axiom/Dhinchak	Angelina
Fri	Roz	Ballon	Ali
Sat	Farzi	Enima	Bonny
Sun		Bodhiratna	

Q1: All of the following statements can be true except:

- A. If Mirza was the lead vocalist of Axiom then Ali was the lead vocalist of Ballon.
- B. If Mirza was the lead vocalist of Dhinchak then Bonny was the lead vocalist of Enima.
- C. If Angelina was the lead vocalist of Dhinchak then Mirza was the lead vocalist of Axiom.
- D. If Ali was the lead vocalist of Ballon then Mirza was the lead vocalist of Dhinchak.
- E. If Bonny was the lead vocalist of Enima then Mirza was the lead vocalist of Ballon.

Answer: E

#Days	#Genre	#Band	#Vocalist
Mon	Roz	Catlis	Siddharth
Tue	Roz	Dhinchak/Axiom	Mirza
Wed	Farzi	Fill	Rahul
Thur	Farzi	Axiom/Dhinchak	Angelina
Fri	Roz	Ballon	Ali
Sat	Farzi	Enima	Bonny
Sun		Bodhiratna	

Q2: Which of the following must be true?

- A. Ali performed on Saturday and Enima performed on Thursday.
- B. Dhinchak performed on Thursday and Angelina performed on Tuesday.
- C. Ballon performed on Friday and Mirza performed on Tuesday.
- D. Ali performed on Friday and Enima performed on Tuesday.
- E. Bonny performed on Saturday and Catlis performed on Thursday.

Answer: C

#Days	#Genre	#Band	#Vocalist
Mon	Roz	Catlis	Siddharth
Tue	Roz	Dhinchak/Axiom	Mirza
Wed	Farzi	Fill	Rahul
Thur	Farzi	Axiom/Dhinchak	Angelina
Fri	Roz	Ballon	Ali
Sat	Farzi	Enima	Bonny
Sun		Bodhiratna	

Q3: Which of the following is a plausible performance sequence?

- A. Catlis, Enima, Fill, Dhinchak, Ballon, Axiom
- B. Catlis, Dhinchak, Fill, Ballon, Enima, Axiom
- C. Catlis, Axiom, Fill, Ballon, Enima, Dhinchak
- D. Catlis, Axiom, Fill, Dhinchak, Ballon, Enima
- E. Catlis, Ballon, Fill, Axiom, Enima, Dhinchak

Answer: D

#Days	#Genre	#Band	#Vocalist
Mon	Roz	Catlis	Siddharth
Tue	Roz	Dhinchak/Axiom	Mirza
Wed	Farzi	Fill	Rahul
Thur	Farzi	Axiom/Dhinchak	Angelina
Fri	Roz	Ballon	Ali
Sat	Farzi	Enima	Bonny
Sun		Bodhiratna	

Q4: Which of the following is a lead vocalist of Bodhiratna Band?

- A. Mirza
- B. Angelina
- C. Ali or Bonny
- D. Can't Say
- E. None of these

Answer: D

Example:- These questions are based on the following information.

In a Public Sector Undertaking Township, there are five executives – Ambrish, Amit, Rohit, Manu and Tarun. Two of them play Cricket while the other three play different games viz. Football, Tennis and Chess. One Cricket player and a Chess player stay in the third flat, whereas the other three stay in different flats, i.e. 2nd, 4th and 5th. Two of these five players are mechanical engineers while the other three are quality inspector, design engineer and power engineer respectively. The chess player is the oldest in age while one of the cricket players, who plays at the national level, is the youngest in age. The age of the other cricket player, who plays at the regional level, lies between the football player and the chess player. Manu is a regional level player and stays in the 3rd flat while Tarun is a quality inspector and stays in the 5th flat. The football player is a design engineer and stays in the 2nd flat. Amit is a power engineer and plays Chess while Ambrish is the mechanical engineer and plays Cricket at the national level.

Executives – Ambrish, Amit, Rohit, Manu and Tarun.

Games – Ckt, ckt, Fball, Tennis, Chess.

Profession – ME, ME, QI, DE, PE.

One Cricket player and a Chess player stay in the third flat, whereas the other three stay in different flats, i.e. 2nd, 4th and 5th. Two of these five players are mechanical engineers while the other three are quality inspector, design engineer and power engineer respectively. The chess player is the oldest in age while one of the cricket players, who plays at the national level, is the youngest in age. The age of the other cricket player, who plays at the regional level, lies between the football player and the chess player. Manu is a regional level player and stays in the 3rd flat while Tarun is a quality inspector and stays in the 5th flat. The football player is a design engineer and stays in the 2nd flat. Amit is a power engineer and plays Chess while Ambrish is the mechanical engineer and plays Cricket at the national level.

Executives – Ambrish, Amit, Rohit, Manu and Tarun. Games – Ckt, ckt, Fball, Tennis, Chess.

Profession – ME, ME, QI, DE, PE.

#Flat No.	#Game	#Name	#Profession	Negation
2				
3				
4				
5				

One Cricket player and a Chess player stay in the third flat, whereas the other three stay in different flats, i.e. 2nd, 4th and 5th. Two of these five players are mechanical engineers while the other three are quality inspector, design engineer and power engineer respectively. The chess player is the oldest in age while one of the cricket players, who plays at the national level, is the youngest in age. The age of the other cricket player, who plays at the regional level, lies between the football player and the chess player. Manu is a regional level player and stays in the 3rd flat while Tarun is a quality inspector and stays in the 5th flat. The football player is a design engineer and stays in the 2nd flat. Amit is a power engineer and plays Chess while Ambrish is the mechanical engineer and plays Cricket at the national level.

#Flat No.	#Game	#Name	#Profession	#Negation
2				
3	Ckt Player			
	Chess Player			
4				
5				

Two of these five players are mechanical engineers while the other three are quality inspector, design engineer and power engineer. The chess player is the oldest in age while one of the cricket players, who plays at the national level, is the youngest in age. The age of the other cricket player, who plays at the regional level, lies between the football player and the chess player. Manu is a regional level player and stays in the 3rd flat while Tarun is a quality inspector and stays in the 5th flat. The football player is a design engineer and stays in the 2nd flat. Amit is a power engineer and plays Chess while Ambrish is the mechanical engineer and plays Cricket at the national level.

#Flat No.	#Game	#Name	#Profession	#Negation
2				
3	Ckt Player			
	Chess Player			
4				
5				

The chess player is the oldest in age while one of the cricket players, who plays at the national level, is the youngest in age. The age of the other cricket player, who plays at the regional level, lies between the football player and the chess player. Manu is a regional level player and stays in the 3rd flat while Tarun is a quality inspector and stays in the 5th flat. The football player is a design engineer and stays in the 2nd flat. Amit is a power engineer and plays Chess while Ambrish is the mechanical engineer and plays Cricket at the national level.



#Flat No.	#Game	#Name	#Profession	#Negation
2				
3	Ckt Player			
	Chess Player			
4				
5				

The age of the other cricket player, who plays at the regional level, lies between the football player and the chess player. Manu is a regional level player and stays in the 3rd flat while Tarun is a quality inspector and stays in the 5th flat. The football player is a design engineer and stays in the 2nd flat. Amit is a power engineer and plays Chess while Ambrish is the mechanical engineer and plays Cricket at the national level.

Ckt Player(NL) <

< Fball Player < Ckt Player(RL) < Chess Player

#Flat No.	#Game	#Name	#Profession	#Negation
2				
3	Ckt Player			
	Chess Player			
4				
5				

The age of the other cricket player, who plays at the regional level, lies between the football player and the chess player. Manu is a regional level player and stays in the 3rd flat while Tarun is a quality inspector and stays in the 5th flat. The football player is a design engineer and stays in the 2nd flat. Amit is a power engineer and plays Chess while Ambrish is the mechanical engineer and plays Cricket at the national level.

Ckt Player(NL) < Tennis Player < Fball Player < Ckt Player(RL) < Chess Player

#Flat No.	#Game	#Name	#Profession	#Negation
2				
3	Ckt Player			
	Chess Player			
4				
5				

Manu is a regional level player and stays in the 3rd flat while Tarun is a quality inspector and stays in the 5th flat. The football player is a design engineer and stays in the 2nd flat. Amit is a power engineer and plays Chess while Ambrish is the mechanical engineer and plays Cricket at the national level.

Ckt Player(NL) < Tennis Player < Fball Player < Ckt Player(RL) < Chess Player

#Flat No.	#Game	#Name	#Profession	#Negation
2				
3	Ckt Player(RL)	Manu		
	Chess Player			
4				
5		Tarun	QI	

The football player is a design engineer and stays in the 2nd flat. Amit is a power engineer and plays Chess while Ambrish is the mechanical engineer and plays Cricket at the national level.

Ckt Player(NL) < Tennis Player < Fball Player < Ckt Player(RL) < Chess Player

#Flat No.	#Game	#Name	#Profession	#Negation
2	Fball Player		DE	
3	Ckt Player(RL)	Manu		
	Chess Player			
4				
5		Tarun	QI	

Amit is a power engineer and plays Chess while Ambrish is the mechanical engineer and plays Cricket at the national level.

Ckt Player(NL) < Tennis Player < Fball Player < Ckt Player(RL) < Chess Player

#Flat No.	#Game	#Name	#Profession	#Negation
2	Fball Player		DE	
3	Ckt Player(RL)	Manu		
	Chess Player	Amit	PE	
4	Ckt Player(NL)	Ambrish	ME	
5		Tarun	QI	

Ckt Player(NL) < Tennis Player < Fball Player < Ckt Player(RL) < Chess Player

#Flat No.	#Game	#Name	#Profession	#Negation
2	Fball Player	Rohit	DE	
3	Ckt Player(RL)	Manu	ME	
	Chess Player	Amit	PE	
4	Ckt Player(NL)	Ambrish	ME	
5	Tennis	Tarun	QI	

Q1. Who stays in the 4th flat ?

- (1) Ambrish (2) Amit (3) Rohit (4) Manu

Answer: (1)

Ckt Player(NL) < Tennis Player < Fball Player < Ckt Player(RL) < Chess Player

#Flat No.	#Game	#Name	#Profession	#Negation
2	Fball Player	Rohit	DE	
3	Ckt Player(RL)	Manu	ME	
	Chess Player	Amit	PE	
4	Ckt Player(NL)	Ambrish	ME	
5	Tennis	Tarun	QI	

Q2. What does Tarun play ?

(1) Chess

(2) Football

(3) Cricket

(4) Tennis

Answer: (4)

Ckt Player(NL) < Tennis Player < Fball Player < Ckt Player(RL) < Chess Player

#Flat No.	#Game	#Name	#Profession	#Negation
2	Fball Player	Rohit	DE	
3	Ckt Player(RL)	Manu	ME	
	Chess Player	Amit	PE	
4	Ckt Player(NL)	Ambrish	ME	
5	Tennis	Tarun	QI	

Q3. Who plays football ?

(1) Ambrish

(2) Amit

(3) Rohit

(4) Manu

Answer: (3)

Ckt Player(NL) < Tennis Player < Fball Player < Ckt Player(RL) < Chess Player

#Flat No.	#Game	#Name	#Profession	#Negation
2	Fball Player	Rohit	DE	
3	Ckt Player(RL)	Manu	ME	
	Chess Player	Amit	PE	
4	Ckt Player(NL)	Ambrish	ME	
5	Tennis	Tarun	QI	

Q4. Age wise, who among the following lies between Manu and Tarun?

- (1) Quality inspector (2) Mechanical engineer (3) Power engineer
(4) Design engineer

Answer: (4)

Ckt Player(NL) < Tennis Player < Fball Player < Ckt Player(RL) < Chess Player

#Flat No.	#Game	#Name	#Profession	#Negation
2	Fball Player	Rohit	DE	
3	Ckt Player(RL)	Manu	ME	
	Chess Player	Amit	PE	
4	Ckt Player(NL)	Ambrish	ME	
5	Tennis	Tarun	QI	

Q5. Who stay in the same flat?

- (1) Ambrish and Amit (2) Manu and Tarun
(3) Amit and Manu (4) Rohit and Tarun

Answer: (3)

Ckt Player(NL) < Tennis Player < Fball Player < Ckt Player(RL) < Chess Player

#Flat No.	#Game	#Name	#Profession	#Negation
2	Fball Player	Rohit	DE	
3	Ckt Player(RL)	Manu	ME	
	Chess Player	Amit	PE	
4	Ckt Player(NL)	Ambrish	ME	
5	Tennis	Tarun	QI	

Q6. The Chess player is a :

- | | |
|---------------------|-------------------------|
| (1) Power engineer | (2) Mechanical Engineer |
| (3) Design engineer | (4) Quality inspector |

Answer: (1)

Ckt Player(NL) < Tennis Player < Fball Player < Ckt Player(RL) < Chess Player

#Flat No.	#Game	#Name	#Profession	#Negation
2	Fball Player	Rohit	DE	
3	Ckt Player(RL)	Manu	ME	
	Chess Player	Amit	PE	
4	Ckt Player(NL)	Ambrish	ME	
5	Tennis	Tarun	QI	

Example:- These questions are based on the following information.

S-1, S-2 and S-3 are three final-year students of GLA University, who are seeking to get registered into the university hostel because of immersion program and after the registration process, they have to report hostel warden. Each of them registered their hostel room at a different time and they reported to the warden at a different time. The digit in their names and the order of their registration in the hostel and their reporting to the warden certainly not the same. The student, who gets registered in the last, is the first, who reported to the warden.

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#Time Sequence	#Registration Sequence	#Reporting Sequence	#Negation
1			
2			
3			

Example:- These questions are based on the following information.

S-1, S-2 and S-3 are three final-year students of GLA University, who are seeking to get registered into the university hostel because of immersion program and after the registration process, they have to report hostel warden. Each of them registered their hostel room at a different time and they reported to the warden at a different time. **The digit in their names and the order of their registration in the hostel and their reporting to the warden certainly not the same.** The student, who gets registered in the last, is the first, who reported to the warden.

#Time Sequence	#Registration Sequence	#Reporting Sequence	#Negation
1			x S-1
2			x S-2
3			x S-3

Example:- These questions are based on the following information.

S-1, S-2 and S-3 are three final-year students of GLA University, who are seeking to get registered into the university hostel because of immersion program and after the registration process, they have to report hostel warden. Each of them registered their hostel room at a different time and they reported to the warden at a different time. The digit in their names and the order of their registration in the hostel and their reporting to the warden certainly not the same. **The student, who gets registered in the last, is the first, who reported to the warden.**

#Time Sequence	#Registration Sequence	#Reporting Sequence	#Negation
1		✓	x S-1
2			x S-2
3	✓		x S-3

Example:- These questions are based on the following information.

S-1, S-2 and S-3 are three final-year students of GLA University, who are seeking to get registered into the university hostel because of immersion program and after the registration process, they have to report hostel warden. Each of them registered their hostel room at a different time and they reported to the warden at a different time. The digit in their names and the order of their registration in the hostel and their reporting to the warden certainly not the same. **The student, who gets registered in the last, is the first, who reported to the warden.**

#Time Sequence	#Registration Sequence	#Reporting Sequence	#Negation
1		✓	x S-1
2			x S-2
3	✓		x S-3

Example:- These questions are based on the following information.

S-1, S-2 and S-3 are three final-year students of GLA University, who are seeking to get registered into the university hostel because of immersion program and after the registration process, they have to report hostel warden. Each of them registered their hostel room at a different time and they reported to the warden at a different time. The digit in their names and the order of their registration in the hostel and their reporting to the warden certainly not the same. **The student, who gets registered in the last, is the first, who reported to the warden.**

#Time Sequence	#Registration Sequence	#Reporting Sequence	#Negation
1	S-3	S-2	x S-1
2	S-1	S-3	x S-2
3	S-2	S-1	x S-3

#Time Sequence	#Registration Sequence	#Reporting Sequence	#Negation
1	S-3	S-2	x S-1
2	S-1	S-3	x S-2
3	S-2	S-1	x S-3

Q1. What is the name of the student who gets registered first?

- A. S-1
- B. S-2
- C. S-3
- D. Cannot be decided

Answer:- C

#Time Sequence	#Registration Sequence	#Reporting Sequence	#Negation
1	S-3	S-2	x S-1
2	S-1	S-3	x S-2
3	S-2	S-1	x S-3

Q2. What is the name of the student who reported last?

- A. S-1
- B. S-2
- C. S-3
- D. Cannot be decided

Answer:- A

#Time Sequence	#Registration Sequence	#Reporting Sequence	#Negation
1	S-3	S-2	x S-1
2	S-1	S-3	x S-2
3	S-2	S-1	x S-3

Q3. What is the name of the student who reported 2nd ?

- A. S-1
- B. S-2
- C. S-3
- D. Cannot be decided

Answer:- C

#Time Sequence	#Registration Sequence	#Reporting Sequence	#Negation
1	S-3	S-2	x S-1
2	S-1	S-3	x S-2
3	S-2	S-1	x S-3

Q4. What is the name of the student who gets registered last?

- A. S-1
- B. S-2
- C. S-3
- D. Cannot be decided

Answer:- B

Study the following information carefully and answer the given questions.

Seven friends A, B, C, D, E, F and G studied in colleges X, Y and Z and are currently in different professions namely, Medicines, Fashion designing, Engineering, Business, Acting, Teaching and Architecture (not necessarily in the same order).

At least two and not more than three friends had studied in the same college.

C is an architect and studied in college Y.

E is not a businessman.

Only G amongst the seven friends studied in college X along with E.

F is an engineer and did not study in college Y.

B is an actor and did not study in the same college as F.

A did not study in college Z.

Those who studied in college X are neither Fashion Designers nor teachers.

None of those studied in college Y is a teacher.

Seven friends A, B, C, D, E, F and G studied in colleges X, Y and Z and are currently in different professions namely, Medicines, Fashion designing, Engineering, Business, Acting, Teaching and Architecture (not necessarily in the same order).

At least two and not more than three friends had studied in the same college.

C is an architect and studied in college Y.

E is not a businessman.

Only G amongst the seven friends studied in college X along with E.

F is an engineer and did not study in college Y.

B is an actor and did not study in the same college as F.

A did not study in college Z.

Those who studied in college X are neither Fashion Designers nor teachers.

None of those studied in college Y is a teacher.

#College	#Friends	#Profession	#Negation
X			
Y			
Z			

At least two and not more than three friends had studied in the same college.

C is an architect and studied in college Y.

E is not a businessman.

Only G amongst the seven friends studied in college X along with E.

F is an engineer and did not study in college Y.

B is an actor and did not study in the same college as F.

A did not study in college Z.

Those who studied in college X are neither Fashion Designers nor teachers.

None of those studied in college Y is a teacher.

2≤ Friends In Same College < 3

#College	#Friends	#Profession		#Negation
X				
Y				
Z				

C is an architect and studied in college Y.

E is not a businessman.

Only G amongst the seven friends studied in college X along with E.

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2≤ Friends In Same College < 3

#College	#Friends		#Profession		#Negation
X					
Y	C		Architect		
Z					

E is not a businessman.

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B is an actor and did not study in the same college as F.

A did not study in college Z.

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E \longleftrightarrow Businessman.

$2 \leq$ Friends In Same College < 3

#College	#Friends		#Profession		#Negation
X					
Y	C		Architect		
Z					

Only G amongst the seven friends studied in college X along with E.

F is an engineer and did not study in college Y.

B is an actor and did not study in the same college as F.

A did not study in college Z.

Those who studied in college X are neither Fashion Designers nor teachers.

None of those studied in college Y is a teacher.

E \longleftrightarrow Businessman.

$2 \leq$ Friends In Same College < 3

#College	#Friends		#Profession		#Negation
X	G	E			No More Friends in College X.
Y	C		Architect		
Z					

F is an engineer and did not study in college Y.

B is an actor and did not study in the same college as F.

A did not study in college Z.

Those who studied in college X are neither Fashion Designers nor teachers.

None of those studied in college Y is a teacher.

E \longleftrightarrow **Businessman**.

2 \leq Friends In Same College < 3

#College	#Friends		#Profession		#Negation
X	G	E			x F(Engineer)
Y	C		Architect		
Z	F		Engineer		

B is an actor and did not study in the same college as F.

A did not study in college Z.

Those who studied in college X are neither Fashion Designers nor teachers.

None of those studied in college Y is a teacher.

E \longleftrightarrow Businessman.

$2 \leq$ Friends In Same College < 3

#College	#Friends		#Profession		#Negation
X	G	E			x B(Actor)
Y	C	B	Architect	Actor	
Z	F		Engineer		x B(Actor)

A did not study in college Z.

Those who studied in college X are neither Fashion Designers nor teachers.

None of those studied in college Y is a teacher.

E \longleftrightarrow Businessman.

$2 \leq$ Friends In Same College < 3

#College	#Friends			#Profession			#Negation
X	G	E					x A
Y	C	B	A	Architect	Actor		
Z	F	D		Engineer			x A

Those who studied in college X are neither Fashion Designers nor teachers.

None of those studied in college Y is a teacher.

E \longleftrightarrow Businessman.

$2 \leq$ Friends In Same College < 3

#College	#Friends			#Profession			#Negation
X	G	E					x Fashion Designer x Teacher
Y	C	B	A	Architect	Actor		
Z	F	D		Engineer			

None of those studied in college Y is a teacher.

E ←→ X → Businessman

2 ≤ Friends In Same College < 3

#College	#Friends			#Profession			#Negation
X	G	E		Business		Medicines	x Fashion Designer x Teacher
Y	C	B	A	Architect	Actor		Fashion Designer x Teacher
Z	F	D		Engineer		Teacher	

#College	#Friends		#Profession			#Negation
X	G	E	Business		Medicines	
Y	C	B	A	Architect	Actor	Fashion Designer
Z	F	D	Engineer		Teacher	

Q1. Who among the following have studied in college Z?

- a) B, A
- b) C, F
- c) B, D, F
- d) A, D
- e) D, F

Answer: (e)

Q2. Which of the following group represents the students of college Y?

- a) C, E, G
- b) A, C, D
- c) A, B, C
- d) D, B, C
- e) None of these

Answer: (c)

#College	#Friends		#Profession			#Negation
X	G	E	Business		Medicines	
Y	C	B	A	Architect	Actor	Fashion Designer
Z	F	D	Engineer		Teacher	

Q3. What is the profession of D?

- A. Engineering B. Teacher C. Medicines D. Acting
- E. None of these

Answer: (b)

Q4. What is the profession of G?

- A. Business B. Teacher C. Medicines D. Acting
- E. None of these

Answer: (a)

#College	#Friends		#Profession			#Negation
X	G	E	Business		Medicines	
Y	C	B	A	Architect	Actor	Fashion Designer
Z	F	D	Engineer		Teacher	

Q5. What is the profession of A?

- A. Business
- B. Teacher
- C. Medicines
- D. Acting
- E. None of these

Answer: (e)

Study the following information carefully and answer the given questions.

A candidate for public office plans to visit each of the six cities J, K, L, M, N and O exactly once during her campaign. Her aides are setting up the candidate's schedule according to the following restrictions:

- I) The candidate can visit M only after she has visited both L and N.
- II) The candidate cannot visit N before J.
- III) The second city visited by the candidate must be K.
- IV) Cities K and M are not visited by candidate immediately before or after city O.

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- IV) Cities K and M are not visited by candidate immediately before or after city O.

	#Visits	#Cities	#Rough Space
L N	1		
N or L	2		
M M	3		
	4		
	5		
	6		

II) The candidate cannot visit N before J.

III) The second city visited by the candidate must be K.

IV) Cities K and M are not visited by candidate immediately before or after city O.

J, L J

or

L, J N

N or L

M M

#Visits	#Cities	#Rough Space
1		
2		
3		
4		
5		
6		

III) The second city visited by the candidate must be K.

IV) Cities K and M are not visited by candidate immediately before or after city O.

J, L J
or
L, J N
N or L
M M

#Visits	#Cities	#Rough Space
1		
2	K	
3		
4		
5		
6		

IV) Cities K and M are not visited by candidate immediately before or after city O.

J, L J

or

L, J N

N or L

M M

K, M \longleftrightarrow O

#Visits	#Cities	#Rough Space
1		x O
2	K	
3		x O
4		
5		
6		

J, L
or
L, J
N
M

K, M \longleftrightarrow O

#Visits	#Cities	#Cities	#Rough Space
1	J	L	x O
2	K	K	
3	L	J	x O
4	O	O	
5	N	N	
6	M	M	

J, L
or

L, J

N or L

M

K, M \longleftrightarrow O

J

N

M

#Visits	#Cities	#Cities	#Cities	#Rough Space
1	J	L	J	x O
2	K	K	K	
3	L	J	N	x O
4	O	O	O	
5	N	N	L	
6	M	M	M	

Three cities J, L and N must be visited before M

J, L J

or

L, J N

N or L

M M

K, M ← → O

	#Visits	#Cities	#Cities	#Cities	#Cities	#Rough Space
J, L J	1					x O
L, J N	2	K				
N or L	3	M				x O
M M	4					x M
K, M ← → O	5	O				
	6					x M

Three cities J, L and N must be visited before M

J, L J

or

L, J N

N or L

M M

K, M ← → O

	#Visits	#Cities	#Cities	#Cities	#Cities	#Rough Space
	1					x O
	2	K				
	3					x O
	4	M				
	5					x M
	6	O				

#Visits	#Cities	#Cities	#Cities	#Rough Space
1	J	L	J	
2	K	K	K	
3	L	J	N	
4	O	O	O	
5	N	N	L	
6	M	M	M	

- Q1)** Which of the following could be the order in which the candidate visits the six cities?
- a) J, K, O, L, N, M b) K, J, L, M, N, O c) L, K, J, N, M, O
 d) J, K, N, O, L, M e) J, K, M, L, N, O

Answer: d

#Visits	#Cities	#Cities	#Cities	#Rough Space
1	J	L	J	
2	K	K	K	
3	L	J	N	
4	O	O	O	
5	N	N	L	
6	M	M	M	

Q2) Which of the following must be true of the candidate's campaign schedule?

- a) Third visited city is either N or L.
- b) First visited city is either J or L.
- c) Fifth visited city is N.
- d) Sixth visited city is O.
- e) None of these

Answer: b

#Visits	#Cities	#Cities	#Cities	#Rough Space
1	J	L	J	
2	K	K	K	
3	L	J	N	
4	O	O	O	
5	N	N	L	
6	M	M	M	

Q3) If the candidate visits L first, which city could she visit third?

- a) J
- b) L
- c) M
- d) N
- e) Can't determined

Answer: a

#Visits	#Cities	#Cities	#Cities	#Rough Space
1	J	L	J	
2	K	K	K	
3	L	J	N	
4	O	O	O	
5	N	N	L	
6	M	M	M	

- Q4)** If the candidate visits O immediately after N, then she must visit L
 a) First b) Third c) Fourth d) Fifth e) Sixth

Answer: d

#Visits	#Cities	#Cities	#Cities	#Rough Space
1	J	L	J	
2	K	K	K	
3	L	J	N	
4	O	O	O	
5	N	N	L	
6	M	M	M	

Q5) Which of the following must be false of the candidate's schedule?

- a) She visits J first b) She visits L fifth
- c) She visits L first
- d) She visits L third
- e) She visits O fifth

Answer: e

#Visits	#Cities	#Cities	#Cities	#Rough Space
1	J	L	J	
2	K	K	K	
3	L	J	N	
4	O	O	O	
5	N	N	L	
6	M	M	M	

- Q6) The candidate could visit any of the following immediately after K except
- a) J b) L c) O d) N e) None of these

Answer: c

All The Best !