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**Directions: Read the given sets information carefully and answer the questions given beside:**

**Set-1**

Eight persons Frank, Raymond, Jack, Jerry, Kyle, Carl, Terry and Joe are having cars of different companies such as Mazda, Volvo, Dodge, Honda, Toyota, Nissan, Chevrolet and Mercedes but not necessarily in the same order. All of them like different color cars. Kyle has Dodge company's car and likes Pink color. The one who has Nissan company's car likes White color. Raymond has Toyota company's car. Carl likes Purple color car. Joe has Mazda company's car but does not like either Blue or Red. The one who has Honda company's car likes Orange color. Jerry neither likes Blue nor Yellow. Terry does not like either Mercedes company's car or Chevrolet company's car. The one who has Volvo company's car likes Blue color. The one who has Mercedes company's car does not like Red color. Jack likes Red color car. Frank has neither Volvo company's car nor Honda company's car. Joe does not like Yellow color and Jack does not have Volvo company's car. One of the cars is of Violet color.

**1. Who likes Nissan company's car?**

- A. Frank                                      B. Jack                                      C. Jerry  
D. Terry                                      E. Joe

**2. The one who has Mazda company's car likes which of the following colors?**

- A. Orange                                      B. Red                                      C. Blue  
D. White                                      E. Violet

**3. Which of the following combinations is correct?**

- A. Frank-Nissan-Yellow    B. Jerry-Honda-Orange    C. Jack-Honda-Orange  
D. Joe-Mazda-Yellow    E. Raymond-Toyota-White

**4. Who has mercedes company's car?**

A. Temmy

B. Joe

C. Carl

D. Frank

E. Raymond

**5. Which of the following persons likes red color car?**

A. Frank

B. Kyle

C. Terry

D. Jack

E. Jerry

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## **Set-2**

There are eight sports academies in Delhi, ranked from 1 to 8, in such a way that the best one is ranked 1, second best as 2 and so on. Also there are eight different players of these academies namely, A, B, C, D, E, F, G and H, each one of them plays one of the following sports- Hockey, Football, Rugby, Table Tennis, Cricket, Chess, Basketball and Volleyball but not in the same order.

B plays from the academy ranking 4 and plays Chess. The one who plays from the academy ranking 1 plays Hockey and the one who plays from academy ranking 6 plays Football. Both Basketball and Cricket are not played by any of the players of the academies ranking 1 and ranking 2. C's academy is one spot ahead of D but one spot lower than G. C plays Volleyball. The one who plays from academy ranking 5 plays Cricket and F does not play Cricket. H plays from an academy whose rank is higher than that of B and plays Basketball. A plays Table Tennis and plays from academy ranking 2. G does not play Cricket.

**6. Which of the following sports is played by F?**

- A. Rugby                      B. Hockey                      C. Either A or B  
D. Basketball                E. Can't be determined

**7. Which of the following sports is played by the player from the academy ranked second least?**

- A. Basketball                B. Table Tennis                C. Rugby  
D. Volleyball                E. None of these

**8. Which of the following combinations is not true?**

- A. E - 5 - Cricket            B. G - 6 - Football            C. H - 3 – Basketball  
D. F - 1 – Hockey            E. C - 7 - Rugby

**9. Four of the following five are alike in some way and hence form a group. Which is the one that does not belong to the group?**

A. A

B. D

C. C

D. B

E. G

**10. Who among the following plays Rugby?**

A. F

B. G

C. The one who plays from the academy ranking 8

D. The one who plays from the academy ranking 8

E. None of these

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### **Set-3**

Six persons M, N, O, P, Q, R are going to a casino and they wear shirts of different colours viz. Blue, Black, Red, Green, Yellow, White. They carry some cash in their wallets- Rs. 500, Rs.400, Rs.300, Rs.900, Rs.600, Rs.800. They will also meet their friends at the casino whose names are A, B, C, D, E and F.

N wears the shirt of Green colour. The person who wears White coloured shirt is the friend of A. The person who has Rs.600 is D's friend. O has Rs. 500 and the person who wears Blue coloured shirt is E's friend and has Rs. 300 in the wallet. N is not the friend of D. Q has Rs.400 in his wallet. P wears Yellow coloured shirt. M and F are friends. D's friend doesn't wear Red coloured shirt. The person who is B's friend wears Black coloured shirt. A's friend doesn't have Rs. 500 and M doesn't have Rs. 900.

**11. Which of the following amounts does M have in his/her wallet?**

- A. Rs. 300                      B. Rs. 800                      C. Rs. 500  
D. Rs. 600                      E. Can't be determined

**12. C's friend is wearing shirt of which of the following colours?**

- A. Yellow                      B. White                      C. Red  
D. Green                      E. None of these

**13. Who among the following wears black coloured shirt?**

- A. M                              B. P                              C. R  
D. N                              E. None of these

**14. Which of the following combinations is correctly matched?**

- A. M - F - 600                      B. N - Green – 800                      C. R - Blue – 300  
D. P - A – White                      E. All are correct

**15. Who among the following is B's friend?**

A. O

B. P

C. R

D. S

E. None of these

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#### **Set-4**

Six persons – Rohit, Ankit, Misti, Vishal, Parul and Sweta, appeared for an exam. Each of these persons scored different marks – 16, 15, 13, 10, 8 and 5, not necessarily in the same order.

Marks scored by Rohit were a prime number.

Vishal scored more marks than Sweta but less than Ankit.

Marks of Ankit were a multiple of the marks of Misti.

Sweta scored less marks than Parul.

Parul didn't score 10 marks.

The difference of marks scored by Rohit and Parul was 3.

**16. Who among the following scored maximum marks?**

- A. Ankit                      B. Vishal                      C. Parul  
D. Misti                      E. None of these

**17. How many persons scored more marks than Vishal?**

- A. One                      B. Two                      C. Three  
D. Four                      E. Five

**18. What marks were scored by Sweta?**

- A. 8                      B. 10                      C. 5  
D. 13                      E. None of these

**19. What was the difference of the marks scored by Vishal and Misti?**

- A. 5                      B. 3                      C. 2  
D. 6                      E. None of these



**20. How many person(s) scored marks between Rohit and Sweta?**

A. None

B. One

C. Two

D. Three

E. More than three

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### **Set-5**

Seven matches – P, Q, R, S, T, U and V, are scheduled on different dates – 5th, 12th, 19th and 26th, of the months – November and December, of the year 2018.

No match is scheduled on ones of the dates which is not November 19. Three matches are scheduled between P and Q. Neither P nor Q is scheduled at the last. The date on which no match is scheduled is after R. No match is scheduled between P and R. Three matches are scheduled after U, which is held immediately after S, both of the matches are scheduled in different month. V is scheduled before T and after U.

**21. Which of the following match was scheduled just after match P?**

- A. R                      B. U                      C. T  
D. S                      E. None of these

**22. How many match(es) were scheduled between S and T?**

- A. None                      B. One                      C. Two  
D. Three                      E. More than three

**23. Which of the following match was scheduled on 19<sup>th</sup> December?**

- A. V                      B. Q                      C. T  
D. P                      E. None of these

**24. How many match(es) were scheduled before P?**

- A. None                      B. One                      C. Two  
D. Three                      E. More than three

**25. No match was scheduled on which of the following dates?**

- A. 5<sup>th</sup> November                      B. 5<sup>th</sup> December                      C. 12<sup>th</sup> November

D. 12<sup>th</sup> December

E. None of these

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### **Set-6**

There are seven cartons of different colours - Red, Green, White, Orange, Purple, Blue and Pink. These cartons contain seven different types of dry fruits namely Cashew, Almond, Dates, Pista, Raisin, Poppy seeds and Lotus seeds. These dry fruits weigh as - 1kg, 2kg, 3kg, 4kg, 5kg, 6kg and 7kg but not necessarily in the same order.

Pista weighs 2 kgs. Raisin is kept in Red coloured carton. Poppy seeds is kept in Pink coloured carton. Cashews weighs the highest. Lotus seeds weighs more than Pista but less than Almond. Raisin weighs the least among all the dry fruits. Pista is neither kept in Orange carton nor kept in Purple coloured carton. Dates are kept in Blue carton. Almond weighs 4kg and is kept in Orange carton. Cashew are kept in White coloured carton. Poppy seeds does not weigh 6 kg.

**26. Weight of Dates is equal to the sum of the weights of which of the following pairs?**

- A. Raisin, Poppy seeds
- B. Lotus seeds, Poppy seeds
- C. Pista, Almond
- D. Both B and C
- E. Both A and C

**27. Lotus seeds is kept in which of the following coloured cartons?**

- A. Purple
- B. Blue
- C. Pink
- D. White
- E. None of these

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

- A. Raisin
- B. Cashew
- C. Lotus seeds

D. Poppy seeds

E. Dates

**29. Which of the following combinations is correctly matched?**

A. Lotus seeds-3-White

B. Pista-Blue-2

C. Cashew-5-White

D. Almond - 4 - Orange

E. None is correct

**30. What is the weight of Poppy seeds?**

A. 4 kg

B. 5 kg

C. 2 kg

D. 3 kg

E. Can't be determined

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### **Set-7**

There are five employees namely, Vivek, Jaiganesh, Divakar, Rahim and Manoj and they were born in different months among January to May but not necessarily in the same order. All of them are working in different MNC's like Infosys, Microsoft, Wipro, Apple and Google. All of them are withdrawn different amount from ATM like Rs.1000 to Rs.5000 in consecutive multiples of Rs.1000 but not necessarily in the same order.

Rahim was born in January and his withdrawn amount from ATM is not Rs.4000

Jaiganesh does not work in Apple and he was born in March.

The person who works in Infosys was born in April month.

Vivek was not born in May and he works in Google.

Manoj had withdrawn either Rs.2000 or Rs.5000 from ATM.

The person who works in Wipro was born in May month but he is not Divakar.

Rs.1000 was withdrawn by Jaiganesh from ATM.

The person who works in Google had withdrawn Rs.3000 from ATM.

**31. How much amount was withdrawn by the one who works in Wipro?**

- A. Rs.2000                      B. Rs.5000                      C. Rs.3000  
D. Rs.1000                      E. Cannot be determined

**32. Who among the following was born in February?**

- A. Manoj                      B. Divakar                      C. Vivek  
D. The one who works in Microsoft  
E. Cannot be determined

**33. If the sum of the amount withdrawn by Manoj and Divakar together is Rs.9000, then how much amount was withdrawn by the person who works in Apple?**

- A. Rs.4000                      B. Rs.3000                      C. Rs.2000  
D. Rs.1000                      E. Cannot be determined

**34. What is the difference of the amounts withdrew by the persons who work in Infosys and Google?**

- A. Rs. 1000                      B. Rs. 2000                      C. Rs. 3000  
D. Can't be determined    E. None of these

**35. If the amount withdrew by Rahim was Rs. 3000 less than the highest withdrawn amount, then who among the following withdrew the highest amount?**

- A. Vivek  
B. The one who works in Microsoft  
C. The one who works in Wipro  
D. Divakar  
E. None of these

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D. Either TCS or Accenture

E. Either Accenture or Infosys

**39. The one who works in HCL lives in which of the following flats?**

A. 101

B. 102

C. 103

D. 105

E. Either 102 or 103

**40. Find the odd one out.**

A. 102 Manjit Infosys

B. 104 Gaurav Wipro

C. 105 Sinha TCS

D. 103 Prakash Wipro

E. None of these.

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### **Set-9**

**Directions: Read the given information carefully and answer the questions given below:**

Eight persons from A to H are attending the interview on four different months i.e. January, February, March and April. The interview is held on two different dates i.e. 8th and 19th of the given months. No two people are attending the interview on same date. B and C attend the interview in same month but not in February. Three persons attend the interview between F and G. Only two persons attend the interview after H. G attends the interview on 8th of the month. Number of persons attending the interview between D and E is twice the number of persons attending the interview between B and A. Neither D nor E attends the interview in the same month as G. D does not attend the interview on 19th. B doesn't attend the interview after A.

**41. Who among the following attend the interview in February month?**

- A. G
- B. F
- C. A
- D. Both option (B) and (C)
- E. Both option (C) and (A)

**42. How many persons attend the interview between B and F?**

- A. None
- B. One
- C. Two
- D. Three
- E. More than three

**43. Which of the following statements is true?**

- A. D attends the interview before C
- B. E and H attend the interview on same month
- C. Two persons attend the interview between A and C

D. Maximum number of persons attend the interview between B and E

E. None of the above

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

A. B

B. H

C. A

D. E

E. C

**45. Which of the following persons is attending the interview on 19th march?**

A. C

B. G

C. H

D. F

E. D

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### **Set-10**

Six boxes of different colours were stacked one above the other in an almirah. Pink coloured box was placed below Blue coloured box, which was placed immediately above the Green coloured box. Neither the Red nor Purple coloured box was placed at the bottom of the stack. Pink coloured box was placed below the Black coloured box, which was placed at the gap of 2 boxes below Purple coloured box. Red coloured box was not placed adjacent to Black coloured box.

**46. Which of the following box was placed at a gap of two boxes from Green coloured box?**

- A. Black                                      B. Blue                                      C. Pink
- D. Red                                        E. Purple

**47. How many boxes were there between Pink and Black coloured box?**

- A. None                                      B. One                                      C. Two
- D. Three                                      E. Either Two or Three

**48. Which of the following box was placed at the top?**

- A. Purple                                      B. Red                                      C. Blue
- D. Black                                      E. Can't be determined

**49. What is the position of Purple coloured box?**

- A. Fifth form the top      B. Third form the top      C. Fifth form the bottom
- D. Second form the bottom
- E. None of these.

**50. Which of the following statements is true?**

- A. Pink coloured box is placed at even numbered box.

- B. Red coloured box is placed just above Green coloured box.
- C. The position of Blue coloured box is third from the bottom.
- D. Black coloured box is placed even numbered box.
- E. Three boxes placed between Blue box and Black box.

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### **Set-11**

There are six boxes from A to F are placed in a rack but not necessarily in the same order. The lowermost rack is numbered one and above is two and so on. Each of the boxes has different number of fruits among 11, 14, 18, 19, 22 and 26 but not necessarily in the same order. There are three boxes between Box A and Box B. Box B and Box A have number of fruits which is multiple of 11. Box F is placed immediately below Box B. The difference in the number of fruits in Box F and Box A is one less than the difference between the number of fruits of Box D and Box F. Box D is second from the top and has fruits in multiples of 9. Box C has prime number of fruits. Box E is placed two boxes above Box B. Box A is placed above Box B and Box A has less number of fruits than Box B.

**51. Which box is placed immediately above Box C?**

- A. The box which has 22 fruits
- B. The box which has 26 fruits
- C. The box which has 14 fruits
- D. The box which has 18 fruits
- E. None of the above

**52. What is the sum of fruits together in Box F and Box C?**

- A. 30
- B. 32
- C. 33
- D. 37
- E. None of the above

**53. If Box S has 32 fruits and placed in seventh rack, then what is the difference between the fruits of Box S and Box E?**

- A. 6
- B. 14
- C. 13
- D. 10
- E. None of the above

**54. Which Box has maximum number of fruits?**

- A. Box D
- B. Box F
- C. Box E

D. Box B

E. None of these.

**55. What is the position of Box D?**

A. Third from the bottom

B. second from the top

C. Forth from the bottom

D. Third from the top

E. None of these.

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### **Set-12**

Five persons – Sudep, Kartik, Raghu, Hemant and Vijay, have some amount of money with them. The total amount of money they have is \$450. Each one of them has at least \$30.

The total amount of money that Sudep has is twice the square of a natural number and is over \$100.

Hemant and Vijay have the amount of money in the ratio of 3:5.

Raghu has \$4 more than thrice the square of a natural number.

Total amount of money with Hemant and Vijay are equal to the amount of money with Sudep.

Kartik has an odd amount of money, less than Raghu.

**56. Who among the following has highest amount of Money?**

- A. Sudep                      B. Raghu                      C. Hemant  
D. Kartik                      E. Can't be determined

**57. What is the difference between the amount of money which Raghu and Kartik have?**

- A. \$119                      B. \$98                      C. \$116  
D. \$108                      E. Can't be determined

**58. Who among the following has least amount of money?**

- A. Kartik                      B. Hemant                      C. Vijay  
D. Either Hemant or Kartik  
E. Either Kartik or Raghu

**59. What is the amount of money that Sudep has?**



A. \$200

B. \$160

C. \$128

D. Either \$200 or \$128    E. Either \$80 or \$160

**60. What is the sum of money that Hemant and Sudep have?**

A. \$176

B. \$240

C. \$168

D. \$282

E. Either \$168 or \$208

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### Set-13

A teacher made an observation on the basis of the ranks of seven students – Piya, Riya, Shreya, Niya, Diya, Miya and Jiya, in the previous exams taken by them.

The observations were:

No two students get same rank.

Jiya always performs better than Piya.

Piya always performs better than Riya.

Each time either Shreya tops the class and Diya gets the last rank, or alternatively Niya tops the class and either Miya or Riya gets the last rank.

**61. Jiya is ranked fifth, and Miya is ranked below Niya and Diya then what is the rank of Niya?**

- A. 2                                      B. 3                                      C. 4  
D. 1                                      E. Either 3 or 4

**62. If Shreya is ranked third, and Miya is ranked lower than Shreya but higher than Jiya then what is the rank of Diya?**

- A. 1                                      B. 2                                      C. 4  
D. 5                                      E. Can't be determined

**63. If Riya is ranked fourth and there are two persons ranked between Jiya and Shreya then what is the rank of Miya?**

- A. 2                                      B. 4                                      C. 6  
D. 7                                      E. Can't be determined

**64. If Niya ranked first and Riya is not holding last rank, then what is the rank of Diya if Jiya stood at 2<sup>nd</sup>?**

A. 4<sup>th</sup>

B. 3<sup>rd</sup>

C. 6<sup>th</sup>

D. Can't be determined   E. None of these

**65. If Piya ranked 4<sup>th</sup> and Diya stood at last then what is the rank of Shreya if Miya stood at 6<sup>th</sup>?**

A. 2<sup>nd</sup>

B. 1<sup>st</sup>

C. 3<sup>rd</sup>

D. 5<sup>th</sup>

E. None of these

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### **Set-14**

Seven persons – Rama, Bony, Joya, Kaur, Gopi, Aman and Sonu lives on seven different floors in the same building. The building has seven floors from 1 to 7 in such a way that ground floor is numbered 1, and the above floor is numbered 2, and so on.

Number of floors between Kaur and Bony are twice the number of floors between Bony and Sonu. Aman lives on an even numbered floor below Bony. Numbers of floors above Sonu are same as numbers of floors below Joya. Number of floors above and below Gopi are same. Kaur lives at the gap of one floor from Gopi.

**66. How many floor(s) was/were there between Kaur and Aman?**

- A. None                      B. One                      C. Two  
D. Three                      E. More than three

**67. Who among the following lives at the gap of two floors from Aman?**

- A. Only Kaur                      B. Only Rama                      C. Both Kaur and Bony  
D. Both Rama and Sonu      E. None of these

**68. Who among the following lives on the third floor?**

- A. Rama                      B. Aman                      C. Gopi  
D. Sonu                      E. None of these

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

- A. Joya                      B. Sonu                      C. Bony  
D. Rama                      E. Gopi

**70. How many floors are there above Sonu?**

A. 4

B. 3

C. 6

D. 7

E. 1

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### **Set-15**

There are eight boxes from A to H are placed one above the other but not necessarily in the same order. The lowermost box position is numbered as one and above as two and so on. Only two boxes are placed between the Box H and Box D in which Box D is placed below Box H. Box H is placed in odd numbered position. Box H is not placed above Box B. Box B is placed in even numbered position. Only one box is placed between the Box G and Box E in which Box E is placed below Box G. Box F is not placed above Box A. Four boxes are placed between Box F and Box B. Box B is placed above Box F.

**71. Which among the following box is placed immediately below Box H?**

- A. Box F                      B. Box E                      C. Box D  
D. Box C                      E. None of these

**72. Which among the following box is placed adjacent to Box B and Box G?**

- A. Box A                      B. Box C                      C. Box F  
D. Box H                      E. None of these

**73. Which among the following statements is definitely true?**

- A. Box H is placed just above Box G.  
B. Box D is placed in odd numbered position.  
C. Box C is not placed in lowermost position.  
D. Box B is placed three boxes above Box H.  
E. None of these

**74. Which of the following boxes is placed between box G and box E?**

- A. B                              B. D                              C. H  
D. A                              E. None of these.

**75. Find the odd one out.**

A. 1 box C

B. 5 box H

C. 7 box A

D. 1 box B

E. 2 box D

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### **Set-16**

There are eight boxes from A to H are placed one above the other but not necessarily in the same order. The lowermost box position is numbered as one and above as two and so on. Only two boxes are placed between the Box H and Box D in which Box D is placed below Box H. Box H is placed in odd numbered position. Box H is not placed above Box B. Box B is placed in even numbered position. Only one box is placed between the Box G and Box E in which Box E is placed below Box G. Box F is not placed above Box A. Four boxes are placed between Box F and Box B. Box B is placed above Box F.

**76. Which among the following box is placed immediately below Box H?**

- A. Box F                      B. Box E                      C. Box D  
D. Box C                      E. None of these

**77. Which among the following box is placed adjacent to Box B and Box G?**

- A. Box A                      B. Box C                      C. Box F  
D. Box H                      E. None of these

**78. Which among the following statements is definitely true?**

- A. Box H is placed just above Box G.  
B. Box D is placed in odd numbered position.  
C. Box C is not placed in lowermost position.  
D. Box B is placed three boxes above Box H.  
E. None of these

**79. Which of the following boxes is placed between box G and box E?**

- A. B                              B. D                              C. H  
D. A                              E. None of these.



**80. Find the odd one out.**

A. 1 box C

B. 5 box H

C. 7 box A

D. 1 box B

E. 2 box D

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### **Set-17**

Eight boxes from H1 to H8 are placed in different racks but not necessarily in the same order. The lowermost rack is numbered as one and its immediate above is two and so on. Each box has different number of balls among consecutive odd numbers from 27 to 41 but not necessarily in the same order.

Box H6 is placed in even numbered rack. There are three boxes are placed between Box H6 and Box H3. There are two boxes are placed between Box H5 and Box H2. Box H3 is not placed in the topmost position. Box H2 has 29 balls and placed in fifth rack. Box H5 is placed immediately above the one box which has 27 balls. There are as many as boxes placed between the box which has 29 balls and the box which has 27 balls is same as the box which has 29 balls and the box which has 31 balls. There are two boxes are placed between Box H8 and Box H1. Neither Box H8 nor Box H1 is placed in lowermost position. Box H7 is placed in odd prime numbered rack. There are only three boxes are placed between the box which has 41 balls and the box which has 37 balls. Box H8 has 37 balls. The one box which has 33 balls placed is immediately below the box which has 35 balls. Box H6 doesn't have 39 balls.

**81. Which among the following box has 39 balls?**

- A. The box placed in 6th rack
- B. The box placed in 2nd rack
- C. The box placed in 1st rack
- D. The box placed in 7th rack
- E. Cannot be determined

**82. How many boxes are placed between Box H1 and Box H7?**

- A. One
- B. Two
- C. Three
- D. Four
- E. None

**83. What is sum of balls together of the box which is placed in topmost and lowermost position?**

A. 72 balls

B. 66 balls

C. 76 balls

D. 74 balls

E. None of the above

**84. Which among the following statements is definitely true?**

A. Sum of balls together in the box which is placed 6th and 8th rack is 78.

B. Number of boxes placed between Box H7 and Box H8 is same as Box H2 and Box H1.

C. More than two boxes are placed between Box H8 and the box which has 39 balls.

D. Box H7 has 31 balls and it is placed immediately above the box which has 33 balls.

E. None is true

**85. Which of the following combination is definitely true?**

A. Box H3-6th rack-41 balls

B. Box H7-7th rack-31 balls

C. Box H4-1st rack-33 balls

D. Box H8-4th rack-35 balls

E. None of the above

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### **Set-18**

Seven persons – Subh, Isha, Kanya, Ritu, Manav, Drona and Uttam are divided into three teams – A, B and C. There are at least two persons and only male person included in each team. Among these persons two of them belong to Delhi, two belong to Noida and three belong to Agra.

Kanya belongs to Noida and she is not in the same team as the pair of sisters Subh and Drona.

Isha is a male, who belongs to Delhi, and is in the Team–A with only Uttam, who belongs to Agra.

Ritu is a male and belongs to Noida.

Two persons belonging to the same city were not of the same team.

Subh does not belong to Delhi but was part of Team–B.

**86. Who among the following is a male in team C?**

- A. Ritu                                      B. Manav                                      C. Kanya  
D. Drona                                      E. Can't be determined

**87. Which of the following combinations show the males among these persons?**

- A. Isha and Ritu  
B. Drona, Ritu and Isha  
C. Manav, Ritu and Kanya  
D. Manav, Ritu and Isha  
E. Isha, Manav and Drona

**88. Manav belongs to which of the following cities?**

- A. Agra                                      B. Delhi                                      C. Noida

D. Either Agra or Delhi    E. Either Delhi or Noida

**89. Which of the following combinations is/are correct?**

A. Manav-Female-Agra    B. Subh-Male-Agra    C. Ritu-Male-Delhi

D. All are correct    E. None is correct

**90. How many females belong to Agra?**

A. One    B. Two    C. Three

D. Either One or Two    E. Either Two or Three

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### **Set-19**

There are 7 students A,B,C,D,E,F and G who wake up at different time (4am, 5am ----- 10am) and studies different subject Maths, Chemistry, Economics, English, Biology, Accounts and Physics. The one who is not A wakes up earliest and studies English. F studies Economics. There is a 3 hour gap between G and the one who studies Maths who don't wake up last. The one who study chemistry wakes up 2ndlast. The one who studies English wakes up at half of the time B wakes up. B and G wake up next to each other. Difference of wake up time of B and C is equal to the difference of wake up time of G and F. E don't wake up at a time multiple of 2 and D studies Biology. B does not study Account.

**91. Who wakes up at 7am?**

- A. A                                      B. D                                      C. G  
D. E                                      E. C

**92. Which of the following combination is incorrect?**

- A. A 6 am Maths                      B. D 10am Biology                      C. F 7am Economics  
D. C 4am English                      E. All are correct

**93. Who wakes up immediately after the one who studies Physics?**

- A. G                                      B. D                                      C. E  
D. A                                      E. F

**94. Who wakes up between F and E?**

- A. C                                      B. A                                      C. B  
D. G                                      E. None

**95. The one who wakes up at 5 am studies which subject?**

- A. English                              B. Economics                              C. Maths  
D. Accounts                              E. Chemistry

### **Set-20**

Eight friends namely Prathap, Hirthik, Kathir, Laxman, Niranjana, Ranjan, Jawahar and Farhad were born in different months among January, March, April, July, September and November. Three persons were born in same month. Each of them belongs to different cities like Kolkata, Delhi, Chennai, Goa, Bangalore, Punjab, Hyderabad and Noida. All the above information is not necessarily in the same order.

The one who belongs to Punjab was born in the month having less than 31 days.

Kathir belongs to Kolkata.

Prathap and Niranjana were born in same month.

Persons who belong to Goa and Delhi were born in November.

Laxman belongs to Bangalore and he was born in the month having 31 days but not in March.

Farhad belongs to Noida and he was born in April.

The one who belongs to Kolkata was born in the month having 30 days after July but before November.

The one who belongs to Hyderabad was born in month having 31 days before April.

Ranjan was born in July and he belongs to Chennai.

Jawahar belongs to Goa and Niranjana doesn't belong to Delhi.

**96. Who among the following was born in the month of November?**

A. The one who belongs to Kolkata

B. The one who belongs to Bangalore

C. Jawahar

D. Laxman

E. None of these

**97. Who among the following persons was born in the month having 31 days?**

- A. Prathap                      B. Kathir                      C. Hirthik  
D. Both option A and B    E. Both option B and C

**98. Who among the following persons belongs to Hyderabad?**

- A. Prathap                      B. Niranjan                      C. Hirthik  
D. Either option A or C    E. None of these

**99. Which among the following statements is definitely true?**

- A. Hirthik and Niranjan were born in the month having 30 days.  
B. There is a gap of six months between the birth months of Farhad and the one who belongs to Chennai.  
C. Hirthik and Niranjan belong to Punjab and Hyderabad respectively.  
D. One who belongs to Delhi and the one who belongs to Kolkata were born in same month.  
E. None of these

**100. Which among the following combinations is/are true?**

**I. Niranjan and the one belongs to Hyderabad were born in the month having 31 days.**

**II. One who belongs to Hyderabad was born in January.**

**III. Niranjan belongs to Punjab.**

- A. Only I                      B. Only III                      C. Only II and III  
D. Only I and II            E. All I, II and III

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### **Set-21**

Seven persons – Manjal, Kartik, Lasita, Paresh, Rupali, Shreya and Kamal have their IBPS PO interviews on one of the four days – Monday, Tuesday, Wednesday and Thursday, of a same week. At least one person but not more than two persons have their interview on the same day. Each of them has a degree in different stream – B.Sc., B.Tech., B.A., BBA, BCA, B.Com., and B.Stat. Manjal has interview on Monday with the one who has B.Tech. The one who has BCA does not have interview on Tuesday neither with Kartik and Shreya. Lasita, who does B.A., has interview alone on Wednesday. Paresh has interview on Thursday and he did not has BCA in graduation. Rupali has interview on Thursday. Shreya has not B.Tech. in graduation. The one who has BCA has interview with the one who has BBA. The one who has B.Sc. has interview on Monday. Kamal has neither B.Com. nor B.Tech in graduation.

**101. Kartik has interview on which of the following days?**

- A. Monday                      B. Tuesday                      C. Wednesday  
D. Thursday                      E. Can't be determined

**102. Kamal has graduation degree in which of the following streams?**

- A. BCA                      B. BBA                      C. B.Sc.  
D. B. Stat.                      E. Can't be determined

**103. Which of the following combinations is/are correct?**

- A. Rupali – BBA                      B. Manjal – B.Sc.                      C. Kartik – B.Stat.  
D. All are correct                      E. None is correct

**104. Who among the following has interview scheduled on the same day as Rupali?**

- A. Kamal                      B. Shreya                      C. Kartik  
D. Paresh                      E. Can't be determined

**105. Who among the following has interview scheduled on the same day as the one who has B.Stat.?**

A. Manjal

B. Kamal

C. Shreya

D. Kartik

E. Can't be determined

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### **Set-22**

Twelve persons – Cal, Pam, Aby, Bil, Vin, Dev, Tim, Roy, Jon, Kat, Sam and Dia live in 4 different houses, such that 3 persons live in each house. Houses are numbered as 2, 5, 9 and 12. Each house is painted with different colour – Red, White, Blue and Brown (not necessarily in same order). Each house is situated on different colony – ABC, GHI, PQR, and XYZ (not necessarily in same order).

Cal and Tim are from same house and their house's number is an odd number. Colour of Dia's house is White. Colour of Pam's and Kat's house is Red. Vin and Bil are from different houses but they are from even numbered house. Brown and Blue are the colours of even numbered houses. Roy is from an odd numbered house. Dev and Aby are not from same house but Aby is from Blue coloured house. Colour of House number 2 is not Brown. Aby's house is in PQR colony. House number 9 is in XYZ colony but it is not red coloured house. Bil and Sam share same house in ABC colony.

**106. Who among the following persons lives in Red coloured house?**

**I. Cal II. Kat III. Sam IV. Vin**

- A. Both I, II and III      B. Only II      C. Only IV  
D. Both II and III      E. All II, III and IV

**107. What is the colour of the house that is located in GHI colony?**

- A. Blue      B. White      C. Brown  
D. Red      E. Can't be determined

**108. What is the house number of Jon?**

- A. 2      B. 5      C. 9  
D. 12      E. Can't be determined

**109. Which of the following combinations is/are incorrect?**

- A. 2 – ABC – Blue      B. 9 – GHI – Red      C. 5 – PQR – White  
D. 12 – XYZ – Brown      E. All of these

**110. In which of the following colonies Roy's house is situated?**

- A. ABC      B. GHI      C. PQR  
D. XYZ      E. Can't be determined

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### **Set-23**

Kathir, Vishal, Saran, Priyan, Vibin and Gautham are six friends. Each of them went for bike drive on different number of days among 5, 7, 9, 10, 12 and 15 but not necessarily in the same order. Each of them also covered different kilometers among those days like 60, 96, 112, 210, 225 and 300 but not necessarily in the same order. The average kilometer covered by each person is calculated by dividing the number of kilometers covered by him with the number of days taken by him. For example, if Saran covered 210 kilometers in 9 days, his average is  $210/9$  i.e. 23.33.

Vishal went for drive for more number of days than Gautham.

The number of days taken by Gautham is equal to the total number of days taken by Saran and Vibin.

For all the persons, average is whole number and less than 50.

The average of Saran is equal to the number of days taken by Gautham for bike drive.

Kathir went for drive for more number of days than Priyan and has more average than Priyan.

The average of Vibin is twice the average of Gautham.

**111. Who among the following covered highest kilometers?**

- A. Priyan                      B. Vishal                      C. Kathir  
D. Either Priyan or Vishal   E. Either Vishal or Kathir

**112. How many friends had taken more number of days than Vibin for bike drive?**

- A. One                      B. Four                      C. Two  
D. Three                      E. None of these

**113. What is the average of Priyan?**

- A. 25                                      B. 8                                      C. 15  
D. 19                                      E. Can't be determined

**114. Who among the following covered more kilometers than Vishal?**

- A. Kathir                                      B. Priyan                                      C. Saran  
D. Both Kathir and Priyan  
E. Both Priyan and Saran

**115. Who among the following has the lowest average?**

- A. Vibin                                      B. Gautham                                      C. Saran  
D. Priyan                                      E. None of these

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### Set-24

Six persons – Ronak, Manat, Suraj, Jyoti, Parth, and Bilal were living in a building of six floors. Each of these persons owns a different car – Jaguar, Audi, Ferrari, BMW, Bentley and Tesla, but not necessarily in the same order. The bottom floor of the building was numbered as 1, the floor above it was numbered as 2 and so on.

There were 2 floors between Bilal and the one who owns Ferrari.

Bilal lives below the one who owns Ferrari.

The one who owns Tesla lives just above the one who owns Ferrari.

Ronak owns Audi and there were 2 floors between Ronak and Parth.

There was 1 floor between Jyoti and the one who owns Jaguar.

Jyoti lives above the one who owns Jaguar.

There were 2 floors between Manat and the one who owns BMW.

Manat lives above the one who owns BMW.

Manat and Ronak were living on consecutive floors.

**116. Who among the following owns Tesla?**

- |          |               |          |
|----------|---------------|----------|
| A. Suraj | B. Manat      | C. Jyoti |
| D. Bilal | None of these |          |

**117. How many person(s) lives below the one who owns Bentley?**

- |          |         |        |
|----------|---------|--------|
| A. None  | B. One  | C. Two |
| D. Three | E. Four |        |

**118. Who among the following lives below Manat?**

- |          |          |          |
|----------|----------|----------|
| A. Ronak | B. Suraj | C. Jyoti |
|----------|----------|----------|

D. Parth

E. Can't be determined

**119. Which of the following combinations is/are correct?**

A. Suraj – Bentley

B. Manat – BMW

C. Parth – Ferrari

D. All are correct    E. None is correct

**120. Which of the following cars is owned by Parth?**

A. Tesla

B. Bentley

C. Ferrari

D. Jaguar

E. Can't be determined

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### **Set-25**

**Directions: Read the given information carefully and answer the questions given beside:**

Eight friends Pratheep, Rahim, Tushar, Uday, Ximon, Yadav, Wafiq and Zaheer have their birthday on either 17th or 28th of four different months among May, June, July and September but not necessarily in the same order. Ximon has birthday on 17th of a month of 31 days. Only one person has birthday before Rahim. Number of persons having birthday between Rahim and Uday is one more than the number of persons having birthday between Rahim and Ximon. Yadav and Zaheer have their birthdays in the same month having 30 days but not in the month of June. Wafiq's birthday is after Pratheep's birthday. Only three persons have birthday between Rahim and Tushar. Yadav don't have birthday before Zaheer.

**121. Who has birthday on 28th September?**

- A. Tushar                      B. Zaheer                      C. Uday  
D. Yadav                      E. None of these

**122. Who among the following have birthdays between 28th June and 17th September?**

- A. Only Wafiq  
B. Only Tushar  
C. Both Wafiq and Tushar  
D. Both Tushar and Yadav  
E. None of these

**123. How many persons have their birthdays between Pratheep and Zaheer?**

- A. One                      B. One                      C. Three  
D. Four                      E. None of these

**124. On which of the following dates Uday has his birthday?**

- A. 28th September      B. 28th June      C. 17th September  
D. 17th May      E. None of these

**125. Which of the following statements is correct?**

- I. Two persons have their birthdays between the birthday of Rahim and Uday.  
II. Wafiq's birthday is after Tushar's birthday.  
III. Ximon and Yadav have their birthdays in the beginning and end respectively.

- A. Only I and II      B. Only II      C. Only III  
D. Only II and III      E. All of these

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**Correct answers:**

|    |   |    |   |    |   |     |   |     |   |
|----|---|----|---|----|---|-----|---|-----|---|
| 1  | A | 26 | E | 51 | B | 76  | B | 101 | C |
| 2  | E | 27 | A | 52 | C | 77  | A | 102 | C |
| 3  | B | 28 | E | 53 | A | 78  | D | 103 | C |
| 4  | C | 29 | D | 54 | C | 79  | C | 104 | E |
| 5  | D | 30 | B | 55 | B | 80  | D | 105 | B |
| 6  | B | 31 | E | 56 | B | 81  | A | 106 | B |
| 7  | D | 32 | C | 57 | D | 82  | C | 107 | D |
| 8  | E | 33 | C | 58 | A | 83  | D | 108 | A |
| 9  | C | 34 | A | 59 | C | 84  | E | 109 | E |
| 10 | C | 35 | C | 60 | A | 85  | C | 110 | B |
| 11 | B | 36 | A | 61 | D | 86  | B | 111 | C |
| 12 | D | 37 | C | 62 | B | 87  | D | 112 | B |
| 13 | E | 38 | C | 63 | D | 88  | A | 113 | A |
| 14 | C | 39 | A | 64 | D | 89  | E | 114 | D |
| 15 | A | 40 | B | 65 | B | 90  | B | 115 | B |
| 16 | C | 41 | E | 66 | D | 91  | D | 116 | A |
| 17 | C | 42 | E | 67 | B | 92  | C | 117 | C |
| 18 | A | 43 | C | 68 | E | 93  | A | 118 | A |
| 19 | A | 44 | E | 69 | E | 94  | B | 119 | E |
| 20 | B | 45 | C | 70 | D | 95  | B | 120 | D |
| 21 | D | 46 | D | 71 | B | 96  | C | 121 | D |
| 22 | D | 47 | A | 72 | A | 97  | A | 122 | C |
| 23 | B | 48 | B | 73 | D | 98  | E | 123 | C |
| 24 | B | 49 | C | 74 | C | 99  | C | 124 | B |
| 25 | C | 50 | D | 75 | D | 100 | D | 125 | C |

## Explanations

### Set-1

#### Common Explanation for Q. no. 1 to 5:

##### Reference:

Kyle has Dodge company's car and likes Pink color.

Raymond has Toyota company's car.

Carl likes Purple color car.

Joe has Mazda company's car but does not like either Blue or Red.

Joe does not like Yellow car.

Jerry neither likes Blue nor Yellow.

Terry does not like either Mercedes company's car or Chevrolet company's car.

Jack likes Red color car.

Jack does not have Volvo company's car.

Frank has neither Volvo company's car nor Honda company's car.

##### Inference:

From above statements, all the information is directly given, by using this we get initial table as follows,

| Person  | Company car | Color  | Hints                  |
|---------|-------------|--------|------------------------|
| Frank   |             |        | <del>Volvo/Honda</del> |
| Raymond | Toyota      |        |                        |
| Jack    |             | Red    | <del>Volvo</del>       |
| Jerry   |             |        | <del>Blue/Yellow</del> |
| Kyle    | Dodge       | Pink   |                        |
| Carl    |             | Purple |                        |

|       |       |  |                               |
|-------|-------|--|-------------------------------|
| Terry |       |  | <del>Mercedes/Chevrolet</del> |
| Joe   | Mazda |  | <del>Blue/Red/Yellow</del>    |

**Reference:**

The one who has Volvo company's car likes Blue color.

The one who has Honda company's car likes Orange color.

The one who has Nissan company's car likes White color.

**Inference:**

From above statements,

- Terry has Volvo company car likes Blue color.
- Jerry has Honda company car likes Orange color.
- Frank has Nissan company car likes White color.

| Person  | Company car | Color  | Hints                         |
|---------|-------------|--------|-------------------------------|
| Frank   | Nissan      | White  | <del>Volvo/Honda</del>        |
| Raymond | Toyota      |        |                               |
| Jack    |             | Red    | <del>Volvo</del>              |
| Jerry   | Honda       | Orange | <del>Blue/Yellow</del>        |
| Kyle    | Dodge       | Pink   |                               |
| Carl    |             | Purple |                               |
| Terry   | Volvo       | Blue   | <del>Mercedes/Chevrolet</del> |
| Joe     | Mazda       |        | <del>Blue/Red/Yellow</del>    |

**Reference:**

The one who has Mercedes company's car does not like Red color.

One of the cars is of Violet color.

**Inference:**

From above statements,

- Carl has Mercedes company car.

- Jack has Chevrolet car.
- Raymond likes Yellow color car.
- Finally, Joe likes Violet color car

| Person  | Company car | Color  | Hints                         |
|---------|-------------|--------|-------------------------------|
| Frank   | Nissan      | White  | <del>Volvo/Honda</del>        |
| Raymond | Toyota      | Yellow |                               |
| Jack    | Chevrolet   | Red    | <del>Volvo</del>              |
| Jerry   | Honda       | Orange | <del>Blue/Yellow</del>        |
| Kyle    | Dodge       | Pink   |                               |
| Carl    | Mercedes    | Purple |                               |
| Terry   | Volvo       | Blue   | <del>Mercedes/Chevrolet</del> |
| Joe     | Mazda       | Violet | <del>Blue/Red/Yellow</del>    |

#### Answers:

1.

The following common explanation, we get "Frank-Nissan car"

Hence, option A is correct.

2.

The following common explanation, we get "Joe-Mazda-Violet"

Hence, option E is correct.

3.

The following common explanation, we get "Jerry-Honda-Orange"

Hence, option B is correct.

4.

In the following common explanation it is clear that Carl has Mercedes Company's car.

Hence, option C is correct.

**5.**

In the following common explanation it is clear that Jack likes red color car.

Hence, option D is correct.



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## Set-2

### Common Explanation for Q. no. 6 to 10:

#### Reference:

B plays from the academy ranking 4 and plays Chess.

C plays Volleyball.

A plays Table Tennis and plays from academy ranking 2.

H plays from an academy whose rank is higher than that of B and plays Basketball.

Both Basketball and Cricket are not played by any of the players of the academies ranking 1 and ranking 2.

#### Inference:

The given hints are direct and placed as shown below.

As H plays from the academy that ranks higher than B i.e. 4, thus the rank of H's academy could be either 1 or 3, but with the last hint it is clear that the one who plays basketball and cricket can't play from academy ranking 1 and 2.

Thus rank of H's academy will be 3.

| Players | Academy Rank | Sport        | Hints |
|---------|--------------|--------------|-------|
| A       | 2            | Table Tennis |       |
| B       | 4            | Chess        |       |
| C       |              | Volleyball   |       |
| D       |              |              |       |
| E       |              |              |       |
| F       |              |              |       |
| G       |              |              |       |
| H       | 3            | Basketball   | H > B |



**Reference:**

The one who plays from academy ranking 5 plays Cricket and F does not play Cricket.

The one who plays from the academy ranking 1 plays Hockey and the one who plays from academy ranking 6 plays Football.

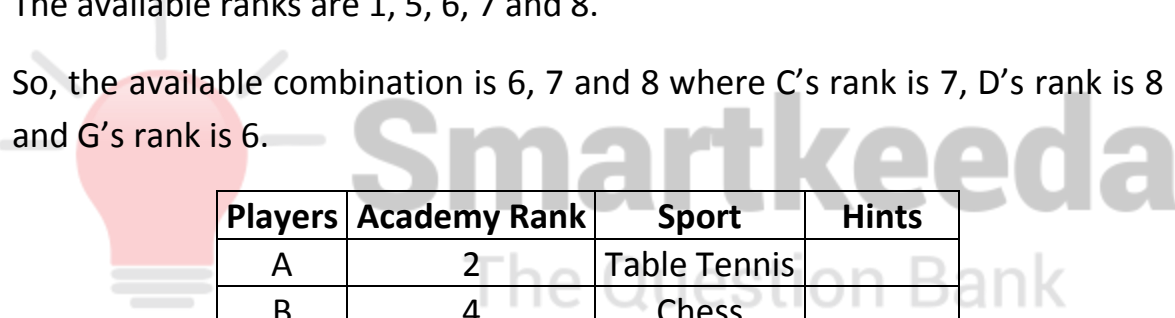
C's academy is one spot ahead of D but one spot lower than G.

G does not play Cricket.

**Inference:**

The available ranks are 1, 5, 6, 7 and 8.

So, the available combination is 6, 7 and 8 where C's rank is 7, D's rank is 8 and G's rank is 6.



| Players | Academy Rank | Sport        | Hints     |
|---------|--------------|--------------|-----------|
| A       | 2            | Table Tennis |           |
| B       | 4            | Chess        |           |
| C       | 7            | Volleyball   |           |
| D       | 8            | Rugby        |           |
| E       | 5            | Cricket      |           |
| F       | 1            | Hockey       | Cricket-X |
| G       | 6            | Football     | Cricket-X |
| H       | 3            | Basketball   |           |

**Answers:**

**6.**

From the following explanation it is clear that Hockey is played by F.

Option B, is hence the correct answer.

**7.**

From the following explanation it is clear that the player from second least ranked academy i.e. C plays Volleyball.

Option D, is hence the correct answer.

**8.**

From the following explanation it is clear that "C - 7 - Rugby" is the false combination.

Option E, is hence the correct answer.

**9.**

From the following explanation it is clear that C is the only one that belongs to the academy whose rank is odd number.

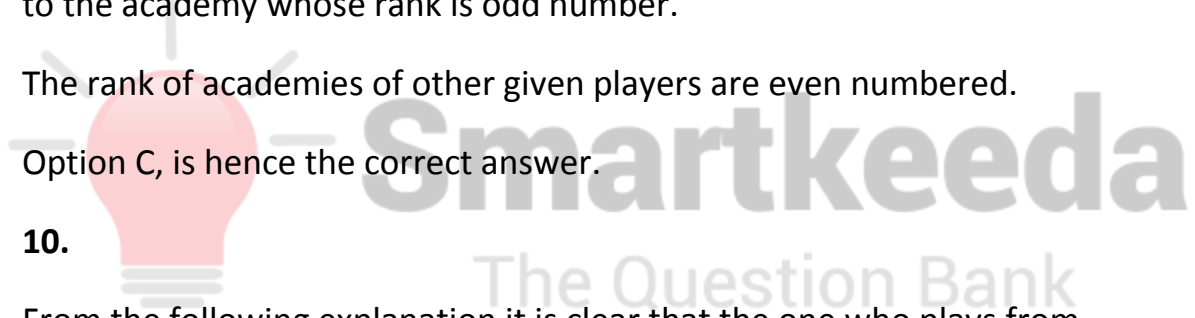
The rank of academies of other given players are even numbered.

Option C, is hence the correct answer.

**10.**

From the following explanation it is clear that the one who plays from academy ranking 8 i.e. D plays Rugby.

Option C, is hence the correct answer.



### Set-3

#### Common Explanation for Q. no. 11 to 10:

##### Reference:

N wears the shirt of Green colour.

N is not the friend of D.

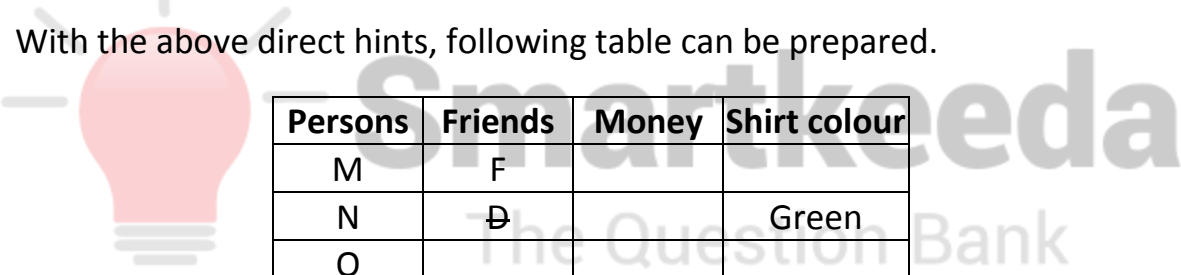
P wears Yellow coloured shirt.

M and F are friends.

Q has Rs.400 in his wallet.

##### Inference:

With the above direct hints, following table can be prepared.



| Persons | Friends | Money | Shirt colour |
|---------|---------|-------|--------------|
| M       | F       |       |              |
| N       | D       |       | Green        |
| O       |         |       |              |
| P       |         |       | Yellow       |
| Q       |         | 400   |              |
| R       |         |       |              |

##### Reference:

A's friend doesn't have Rs. 500 and M doesn't have Rs. 900.

O has Rs. 500 and the person who wears Blue coloured shirt is E's friend and has Rs. 300 in the wallet.

The person who wears White coloured shirt is the friend of A.

##### Inference:

As O has Rs. 500 in his wallet , so he can't be A's friend.

Now the remaining persons which could be A's friend are – N, P, Q and R.

With the third hint it is clear that A's friend wears white coloured shirt, thus N and P get eliminated. So, the possible friends of A are Q and R.

We will indicate this with the help of two cases such as Case1 and Case 2.

**Case1:**

With **Reference:** to the second hint, no such person is there who could wear a blue coloured shirt and also has Rs. 300. **Thus Case 1 fails.**

| Persons | Friends | Money | Shirt colour |
|---------|---------|-------|--------------|
| M       | F       | 900   |              |
| N       | D       |       | Green        |
| O       |         | 500   |              |
| P       |         |       | Yellow       |
| Q       |         | 400   |              |
| R       | A       |       | White        |

**Case2:**

With **Reference:** to the second hint, the only possible person who could wear a blue coloured shirt and also has Rs. 300 is "R."

| Persons | Friends | Money | Shirt colour |
|---------|---------|-------|--------------|
| M       | F       | 900   |              |
| N       | D       |       | Green        |
| O       |         | 500   |              |
| P       |         |       | Yellow       |
| Q       | A       | 400   | White        |
| R       | E       | 300   | Blue         |

**Reference:**

The person who has Rs.600 is D's friend.

D's friend doesn't wear Red coloured shirt.

The person who is B's friend wears Black colored shirt.

**Inference:**

N and M can't be D's friend, thus the only person left is P, thus P is D's friend and has Rs. 600.

As M can't be B's friend, thus B's friend would be O.

| <b>Persons</b> | <b>Friends</b> | <b>Money</b> | <b>Shirt colour</b> |
|----------------|----------------|--------------|---------------------|
| M              | F              | 900          |                     |
| N              |                |              | Green               |
| O              | B              | 500          | Black               |
| P              | D              | 600          | Yellow              |
| Q              | A              | 400          | White               |
| R              | E              | 300          | Blue                |

The only left colour i.e. red will be wore by M.

As M can't have Rs. 900, so he must be having rs. 800 and N has Rs. 900.

The only left person 'C' is N's friend.

| <b>Persons</b> | <b>Friends</b> | <b>Money</b> | <b>Shirt colour</b> |
|----------------|----------------|--------------|---------------------|
| M              | F              | 800          | Red                 |
| N              | C              | 900          | Green               |
| O              | B              | 500          | Black               |
| P              | D              | 600          | Yellow              |
| Q              | A              | 400          | White               |
| R              | E              | 300          | Blue                |

**Answers:**

**11.**

From the following explanation it is clear that M has Rs. 800 in his wallet.

Hence option B is correct.

**12.**

From the following explanation it is clear that C's friend is wearing a green coloured shirt.

Hence option D is correct.

**13.**

From the following explanation it is clear that O wears black coloured shirt.

Hence option E is correct.

**14.**

From the following explanation it is clear that "R - Blue - 300" is correctly matched.

Hence option C is correct.

**15.**

From the following explanation it is clear that O is B's friend.

Hence option A is correct.



## Set-4

### Common Explanation for Q. no. 16 to 20:

#### Reference:

Six persons – Rohit, Ankit, Misti, Vishal, Parul and Sweta, appeared for an exam. Each of these persons scored different marks – 16, 15, 13, 10, 8 and 5, not necessarily in the same order.

#### Inference:

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

#### Reference:

Marks scored by Rohit were a prime number.

The difference of marks scored by Rohit and Parul was 3.

Parul didn't score 10 marks.

#### Inference:

Here, the marks scored by Rohit can be either 5 or 13 (as 5 and 13 are only prime we have under the given conditions).

As we know that the difference of marks scored by Rohit and Parul was 3 then the possible scenarios for marks of Parul are:

#### Possibility 1:

Rohit scored 5 marks.

If Rohit scored 5 marks then marks scored by Parul are either 2 or 8 but here, Parul cannot score 2 marks as none of the persons score 2 marks.

Then,

#### Case 1:

| Person | Marks |
|--------|-------|
| Rohit  | 5     |
| Parul  | 8     |

### Possibility 2:

Rohit scored 13 marks.

If Rohit scored 13 marks then marks scored by Parul are either 10 or 10 but we have a hint that Parul didn't score 10 marks.

Then,

### Case 2:

| Person | Marks |
|--------|-------|
| Rohit  | 13    |
| Parul  | 16    |

### Reference:

Marks of Ankit were a multiple of the marks of Misti.

### Inference:

Here, we will try to use the above hint in both of the cases separately.

### Case 1:

| Person | Marks |
|--------|-------|
| Rohit  | 5     |
| Parul  | 8     |

Here, we have no such possible combination in which marks of Ankit and



Misti can be figured out under the given conditions. So we can say that **case 1 is an invalid case.**

**Case 2:**

| Person | Marks |
|--------|-------|
| Rohit  | 13    |
| Parul  | 16    |

Here, we have two possible combinations in which marks of Ankit and Misti can be figured out under the given conditions.

**Combination 1:**

Misti scored 5 marks and Ankit scored  $5 \times 2 = 10$  marks.

**Combination 2:**

Misti scored 5 marks and Ankit scored  $5 \times 3 = 15$  marks.

**Case 2-A:**

| Person | Marks |
|--------|-------|
| Rohit  | 13    |
| Ankit  | 10    |
| Misti  | 5     |
| Parul  | 16    |

**Case 2-B:**

| Person | Marks |
|--------|-------|
| Rohit  | 13    |
| Ankit  | 15    |
| Misti  | 5     |
| Parul  | 16    |

**Reference:**

Vishal scored more marks than Sweta but less than Ankit.

Sweta scored less marks than Parul.

**Inference:**

Here, we will try to use the above hint in both of the cases separately.

**Case 2-A:**

| Person | Marks |
|--------|-------|
| Rohit  | 13    |
| Ankit  | 10    |
| Misti  | 5     |
| Parul  | 16    |

Here, the remaining persons whose marks still need to be identified are Sweta and Vishal, and the marks that can be assigned to these persons are 8 and 15.

We have a hint that Vishal scored more marks than Sweta so the marks of Vishal must be 15 and marks of Sweta must be 8.

But it is also given that marks of Vishal were less than marks of Ankit which is not possible under the given conditions. So, we can say that **case 2-A is an invalid case.**

**Case 2-B:**

| Person | Marks |
|--------|-------|
| Rohit  | 13    |
| Ankit  | 15    |
| Misti  | 5     |
| Parul  | 16    |

Here, the remaining persons whose marks still need to be identified are Sweta and Vishal, and the marks that can be assigned to these persons are 8 and 10.

We have a hint that Vishal scored more marks than Sweta so the marks of Vishal must be 10 and marks of must be 8. Now this combination is not contradicting with any of the given hints.

| Person | Marks |
|--------|-------|
| Rohit  | 13    |
| Ankit  | 15    |
| Misti  | 5     |
| Vishal | 10    |
| Parul  | 16    |
| Sweta  | 8     |

**Answers:**

**16.**

Following the final solution, we can say that Parul scored maximum marks.

Hence, the correct answer is option C.

**17.**

Following the final solution, we can say that three persons scored more marks than Vishal.

Hence, the correct answer is option C.

**18.**

Following the final solution, we can say that 8 marks were scored by Sweta.

Hence, the correct answer is option A.

**19.**

Following the final solution, we can say that the marks scored by Vishal and Misti were 10 and 5 respectively.

Required Difference =  $10 - 5 = 5$

Hence, the correct answer is option A.

**20.**

Following the final solution, we can say that one person scored marks between Rohit and Sweta.

Hence, the correct answer is option B.



# Smartkeeda

The Question Bank

### Set-5

#### Common Explanation for Q. no. 21 to 25:

##### Reference:

Seven matches – P, Q, R, S, T, U and V, are scheduled on different dates – 5<sup>th</sup>, 12<sup>th</sup>, 19<sup>th</sup> and 26<sup>th</sup>, of the months – November and December, of the year 2018.

##### Inference:

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

##### Reference:

Three matches are scheduled after U, which is held immediately after S, both of the matches are scheduled in different month.

##### Inference:

After using the above hints, we have:

| Month    | Date             | Person |
|----------|------------------|--------|
| November | 5 <sup>th</sup>  |        |
|          | 12 <sup>th</sup> |        |
|          | 19 <sup>th</sup> |        |
|          | 26 <sup>th</sup> | S      |
| December | 5 <sup>th</sup>  | U      |
|          | 12 <sup>th</sup> |        |
|          | 19 <sup>th</sup> |        |
|          | 26 <sup>th</sup> |        |

##### Reference:

Three matches are scheduled between P and Q.

Neither P nor Q is scheduled at the last.

##### Inference:

Here, we have four possible scenarios in which above hints can be used accordingly.

**Case 1:**

| Month    | Date             | Person |
|----------|------------------|--------|
| November | 5 <sup>th</sup>  |        |
|          | 12 <sup>th</sup> | P      |
|          | 19 <sup>th</sup> |        |
|          | 26 <sup>th</sup> | S      |
| December | 5 <sup>th</sup>  | U      |
|          | 12 <sup>th</sup> | Q      |
|          | 19 <sup>th</sup> |        |
|          | 26 <sup>th</sup> |        |

**Case 2:**

| Month    | Date             | Person |
|----------|------------------|--------|
| November | 5 <sup>th</sup>  |        |
|          | 12 <sup>th</sup> | Q      |
|          | 19 <sup>th</sup> |        |
|          | 26 <sup>th</sup> | S      |
| December | 5 <sup>th</sup>  | U      |
|          | 12 <sup>th</sup> | P      |
|          | 19 <sup>th</sup> |        |
|          | 26 <sup>th</sup> |        |

**Case 3:**

| Month    | Date             | Person |
|----------|------------------|--------|
| November | 5 <sup>th</sup>  |        |
|          | 12 <sup>th</sup> |        |
|          | 19 <sup>th</sup> | P      |
|          | 26 <sup>th</sup> | S      |
| December | 5 <sup>th</sup>  | U      |
|          | 12 <sup>th</sup> |        |

|  |                  |   |
|--|------------------|---|
|  | 19 <sup>th</sup> | Q |
|  | 26 <sup>th</sup> |   |

**Case 4:**

| Month    | Date             | Person |
|----------|------------------|--------|
| November | 5 <sup>th</sup>  |        |
|          | 12 <sup>th</sup> |        |
|          | 19 <sup>th</sup> | Q      |
|          | 26 <sup>th</sup> | S      |
| December | 5 <sup>th</sup>  | U      |
|          | 12 <sup>th</sup> |        |
|          | 19 <sup>th</sup> | P      |
|          | 26 <sup>th</sup> |        |

**Reference:**

V is scheduled before T and after U.

**Inference:**

After using the above hints, we have:

**Case 1:**

| Month    | Date             | Person |
|----------|------------------|--------|
| November | 5 <sup>th</sup>  |        |
|          | 12 <sup>th</sup> | P      |
|          | 19 <sup>th</sup> |        |
|          | 26 <sup>th</sup> | S      |
| December | 5 <sup>th</sup>  | U      |
|          | 12 <sup>th</sup> | Q      |
|          | 19 <sup>th</sup> | V      |
|          | 26 <sup>th</sup> | T      |

**Case 2:**

| Month    | Date             | Person |
|----------|------------------|--------|
| November | 5 <sup>th</sup>  |        |
|          | 12 <sup>th</sup> | Q      |
|          | 19 <sup>th</sup> |        |
|          | 26 <sup>th</sup> | S      |
| December | 5 <sup>th</sup>  | U      |
|          | 12 <sup>th</sup> | P      |
|          | 19 <sup>th</sup> | V      |
|          | 26 <sup>th</sup> | T      |

**Case 3:**

| Month    | Date             | Person |
|----------|------------------|--------|
| November | 5 <sup>th</sup>  |        |
|          | 12 <sup>th</sup> |        |
|          | 19 <sup>th</sup> | P      |
|          | 26 <sup>th</sup> | S      |
| December | 5 <sup>th</sup>  | U      |
|          | 12 <sup>th</sup> | V      |
|          | 19 <sup>th</sup> | Q      |
|          | 26 <sup>th</sup> | T      |

**Case 4:**

| Month    | Date             | Person |
|----------|------------------|--------|
| November | 5 <sup>th</sup>  |        |
|          | 12 <sup>th</sup> |        |
|          | 19 <sup>th</sup> | Q      |
|          | 26 <sup>th</sup> | S      |
| December | 5 <sup>th</sup>  | U      |
|          | 12 <sup>th</sup> | V      |
|          | 19 <sup>th</sup> | P      |
|          | 26 <sup>th</sup> | T      |

**Reference:**

No match is scheduled between P and R.



### Inference:

At this point our case 2 and 4 are contradicting with the above hints so we can say that cases **2 ad 4 are invalid cases.**

### Case 1:

| Month    | Date             | Person   |
|----------|------------------|----------|
| November | 5 <sup>th</sup>  | R        |
|          | 12 <sup>th</sup> | P        |
|          | 19 <sup>th</sup> | No match |
|          | 26 <sup>th</sup> | S        |
| December | 5 <sup>th</sup>  | U        |
|          | 12 <sup>th</sup> | Q        |
|          | 19 <sup>th</sup> | V        |
|          | 26 <sup>th</sup> | T        |

### Case 3:

| Month    | Date             | Person   |
|----------|------------------|----------|
| November | 5 <sup>th</sup>  | R        |
|          | 12 <sup>th</sup> | No match |
|          | 19 <sup>th</sup> | P        |
|          | 26 <sup>th</sup> | S        |
| December | 5 <sup>th</sup>  | U        |
|          | 12 <sup>th</sup> | V        |
|          | 19 <sup>th</sup> | Q        |
|          | 26 <sup>th</sup> | T        |

### Reference:

No match is scheduled on ones of the dates which is not November 19.

### Inference:

Here, our case 1 is contradicting with the above hints so we can say that **case 1 is an invalid case.**

**Case 3:**

| Month    | Date             | Person   |
|----------|------------------|----------|
| November | 5 <sup>th</sup>  | R        |
|          | 12 <sup>th</sup> | No match |
|          | 19 <sup>th</sup> | P        |
|          | 26 <sup>th</sup> | S        |
| December | 5 <sup>th</sup>  | U        |
|          | 12 <sup>th</sup> | V        |
|          | 19 <sup>th</sup> | Q        |
|          | 26 <sup>th</sup> | T        |

**Answers:**

**21.**

Following the final solution, we can say that match S was played just after match P.

Hence, the correct answer is option D.

**22.**

Following the final solution, we can say that three matches were scheduled between S and T.

Hence, the correct answer is option D.

**23.**

Following the final solution, we can say that match Q was scheduled on 19th December.

Hence, the correct answer is option B.

**24.**

Following the final solution, we can say that one match was scheduled before P.

Hence, the correct answer is option B.

**25.**

Following the final solution, we can say that no match was scheduled on 12th November.

Hence, the correct answer is option C.



# Smartkeeda

The Question Bank

### Set-6

#### Common Explanation for Q. no. 26 to 30:

##### Reference:

Pista weighs 2 kgs.

Raisin is kept in Red coloured carton.

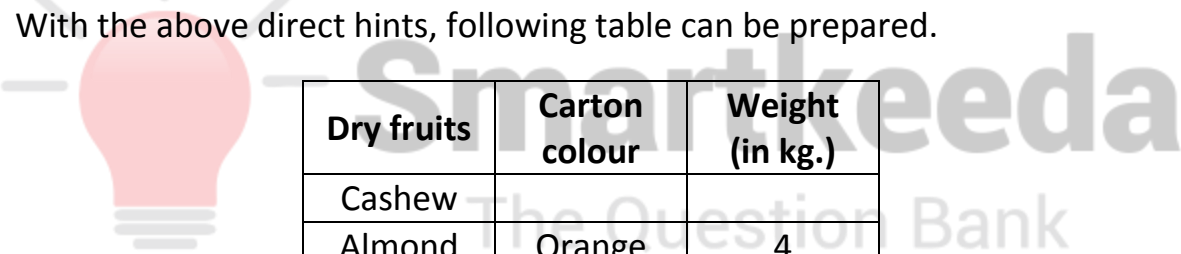
Poppy seeds is kept in Pink coloured carton.

Dates are kept in Blue carton.

Almond weighs 4kg and is kept in Orange carton.

##### Inference:

With the above direct hints, following table can be prepared.



| Dry fruits  | Carton colour | Weight (in kg.) |
|-------------|---------------|-----------------|
| Cashew      |               |                 |
| Almond      | Orange        | 4               |
| Dates       | Blue          |                 |
| Pista       |               | 2               |
| Raisin      | Red           |                 |
| Poppy seeds | Pink          |                 |
| Lotus seeds |               |                 |

##### Reference:

Cashews weighs the highest.

Raisin weighs the least among all the dry fruits.

Cashew are kept in White coloured carton Poppy seeds does not weigh 6 kg.

##### Inference:

The highest weight as per the given weights is 7 kg, thus cashew weighs 7 kg.

The least weight as per the given weights is 1 kg, thus raisin weighs 1 kg.

| Dry fruits  | Carton colour | Weight (in kg.) |
|-------------|---------------|-----------------|
| Cashew      | White         | 7               |
| Almond      | Orange        | 4               |
| Dates       | Blue          |                 |
| Pista       |               | 2               |
| Raisin      | Red           | 1               |
| Poppy seeds | Pink          | 6               |
| Lotus seeds |               |                 |

**Reference:**

Lotus seeds weighs more than Pista but less than Almond.

Pista is neither kept in Orange carton nor kept in Purple coloured carton.

**Inference:**

Now the available weights in kg. are 3, 5 and 6.

Lotus seeds weights more than that of Pista (2) but less than that of Almond (4). Therefore Lotus seeds weighs 3 kg.

Poppy seeds can't weigh 6 kg., so it must weigh 5 kg.

Now the remaining two colours are - purple and Green, where Pista can't be kept in Purple carton, thus it must be kept in Green carton.

| Dry fruits | Carton colour | Weight (in kg.) |
|------------|---------------|-----------------|
| Cashew     | White         | 7               |
| Almond     | Orange        | 4               |
| Dates      | Blue          | 6               |
| Pista      | Green         | 2               |

|             |        |   |
|-------------|--------|---|
| Raisin      | Red    | 1 |
| Poppy seeds | Pink   | 5 |
| Lotus seeds | Purple | 3 |

**Answers:**

**26.**

From the following explanation it is clear that the weight of Dates (6) is equal to the sum of the weights of Poppy seeds(5) and Raisin(1) as well as sum of the weights of Pista(2) and almond(4)

Hence option E is correct.

**27.**

From the following explanation it is clear that Lotus seeds is kept in purple carton.

Hence option A is correct.

**28.**

From the following explanation it is clear that "Dates" is the only among the given options whose weight is in even number.

Hence option E is correct.

**29.**

From the following explanation it is clear that "Almond - Orange - 4" is the only correct combination.

Hence option D is correct.

**30.**

From the following explanation it is clear that Poppy seeds weigh 5 kg.

Hence option B is correct.

### Set-7

#### Common Explanation for Q. no. 31 to 35:

##### Reference:

Rahim was born in January and his withdrawn amount from ATM is not Rs.4000

Jaiganesh does not work in Apple and he was born in March.

Rs.1000 was withdrawn by Jaiganesh from ATM.

Vivek was not born in May and he works in Google.

The person who works in Google had withdrawn Rs.3000 from ATM.

Manoj had withdrawn either Rs.2000 or Rs.5000 from ATM.

##### Inference:

From above statements,

- The persons were born in January, February, March, April and May.
- The amount withdrawn from ATM is Rs.1000, Rs.2000, Rs.3000, Rs.4000 and Rs.5000.
- Jaiganesh was born in March and he withdrawn Rs.1000 from ATM.
- Vivek works in Google and he withdrawn Rs.3000 from ATM.
- Manoj had withdrawn either Rs.2000 or Rs.5000 from ATM.

By using above information, we get the initial table as follows,

| Employees | MNC    | Month   | Amount          | Hints              |
|-----------|--------|---------|-----------------|--------------------|
| Vivek     | Google |         | Rs.3000         | <del>May</del>     |
| Jaiganesh |        | March   | Rs.1000         | <del>Apple</del>   |
| Divakar   |        |         |                 |                    |
| Rahim     |        | January |                 | <del>Rs.4000</del> |
| Manoj     |        |         | Rs.2000/Rs.5000 |                    |

**Reference:**

The person who works in Wipro was born in May month but he is not Divakar.

The person who works in Infosys was born in April month.

**Inference:**

From above statements,

- Divakar was not born in May month and then Manoj was born in May month and Manoj works in Wipro.
- Divakar works in Infosys and he was born in April month.
- Finally, Vivek was born in February month.
- Jaiganesh does not work in Apple and then he works in Microsoft.
- Finally Rahim works in Apple. Rahim doesn't withdrawn Rs.4000. Therefore he had withdrawn either Rs.2000 or Rs.5000.
- Divakar had withdrawn Rs.4000 from ATM.

Thus we get the completed case as follows,

| Employees | MNC       | Month    | Amount          | Hints              |
|-----------|-----------|----------|-----------------|--------------------|
| Vivek     | Google    | February | Rs.3000         | <del>May</del>     |
| Jaiganesh | Microsoft | March    | Rs.1000         | <del>Apple</del>   |
| Divakar   | Infosys   | April    | Rs.4000         | <del>May</del>     |
| Rahim     | Apple     | January  | Rs.5000/Rs.2000 | <del>Rs.4000</del> |
| Manoj     | Wipro     | May      | Rs.2000/Rs.5000 |                    |

**Answers:**

31.



The following common explanation, we get "Cannot be determined".

Manoj works in Wipro and he had withdrawn either Rs.2000 or Rs.5000.

Hence, option E is correct.

**32.**

The following common explanation, we get "Vivek-February".

Hence, option C is correct.

**33.**

The following common explanation, we get "Rahim-Apple-Rs.2000".

We know, Divakar = Rs.4000 & Manoj is either Rs.2000 or Rs.5000

To make Sum, Rs.9000 and then Manoj must have withdrawn Rs.5000

By this, Rahim had withdrawn only Rs.2000

Hence, option C is correct.

**34.**

From the following explanation, we know that the amounts withdrew by the persons who work in Infosys and Google are Rs. 4000 and Rs. 3000 respectively.

Required difference = Rs. 1000.

Hence option A is correct.

**35.**

From the following explanation we can say that the one who works in Wipro withdrew the highest amount.

If the amount withdrew by Rahim was Rs. 3000 less than the highest withdrawn amount, then the amount withdrew by Rahim was Rs. 2000 and the amount withdrew by Manoj was Rs. 5000.

Hence option C is correct.



# Smartkeeda

The Question Bank

### Set-8

#### **Common Explanation for Q. no. 36 to 40:**

##### **Reference:**

Six persons – Manjit, Gaurav, Dinesh, Prakash, Joshi and Sinha, live in different flats – 101, 102, 103, 104 and 105 of a building but not necessarily in the same order. Each of these people works in different company – Infosys, Oracle, Wipro, TCS, Accenture, and HCL.

##### **Inference:**

Here, we have the names of six persons while there are five flats therefore we can say that exactly two persons were living in one of the flats while only one person was living in each of the flats.

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

##### **Reference:**

Dinesh, who lives in flat 101, works in Oracle and her flat mate Joshi works in HCL.

##### **Inference:**

After using the above hints we have:

| Flat | Person  |       |
|------|---------|-------|
|      | Company |       |
| 101  | Dinesh  | Joshi |
|      | Oracle  | HCL   |

At this point we can say that only one person was living in rest of the flats.

##### **Reference:**

Manjit lives in flat 102.

Prakash, who is lives in flat 103, does not works in Accenture.

Gaurav, who does not work in Wipro, lives in flat 104.

The one, who lives in flat 103 works in Wipro.

**Inference:**

After using the above hints we have:

| Flat | Person  |       |
|------|---------|-------|
|      | Company |       |
| 101  | Dinesh  | Joshi |
|      | Oracle  | HCL   |
| 102  | Manjit  |       |
|      |         |       |
| 103  | Prakash |       |
|      | Wipro   |       |
| 104  | Gaurav  |       |
|      |         |       |
| 105  |         |       |
|      |         |       |



**Reference:**

Sinha works in TCS.

Manjit does not work in Accenture and TCS.

**Inference:**

After using the above hints we have:

| Flat | Person  |       |
|------|---------|-------|
|      | Company |       |
| 101  | Dinesh  | Joshi |
|      | Oracle  | HCL   |
| 102  | Manjit  |       |
|      |         |       |

|     |           |
|-----|-----------|
| 103 | Prakash   |
|     | Wipro     |
| 104 | Gaurav    |
|     | Accenture |
| 105 | Sinha     |
|     | TCS       |

At this point we can say that Manjit works in Infosys.

| Flat | Person    |       |
|------|-----------|-------|
|      | Company   |       |
| 101  | Dinesh    | Joshi |
|      | Oracle    | HCL   |
| 102  | Manjit    |       |
|      | Infosys   |       |
| 103  | Prakash   |       |
|      | Wipro     |       |
| 104  | Gaurav    |       |
|      | Accenture |       |
| 105  | Sinha     |       |
|      | TCS       |       |

### **Answers:**

**36.**

Following the final solution, we can say that Manjit works in Infosys.

Hence, the correct answer is option A.

**37.**

Following the final solution, we can say that Gaurav works in Accenture,

Hence, the correct answer is option C.

**38.**

Following the final solution, we can say that the one who lives in flat 105 works in TCS.

Hence, the correct answer is option C.

**39.**

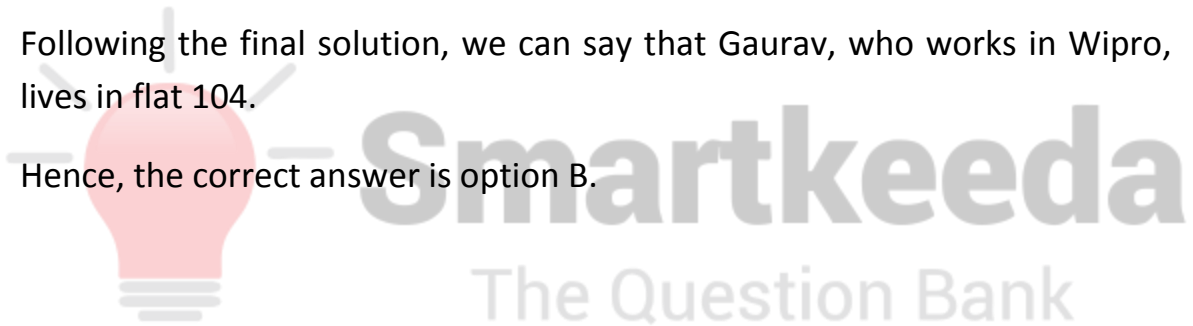
Following the final solution, we can say that the one who works in HCL lives in flat 101.

Hence, the correct answer is option A.

**40.**

Following the final solution, we can say that Gaurav, who works in Wipro, lives in flat 104.

Hence, the correct answer is option B.



### Set-9

#### **Common Explanation for Q. no. 41 to 45:**

##### **Reference:**

Only two persons attend the interview after H.

B and C attend the interview in same month but not in February.

B doesn't attend the interview after A.

Three persons attend the interview between F and G.

G attends the interview on 8th of the month.

##### **Inference:**

From above statements,

Only two persons attend the interview after H.

Here, H attends the interview on 19th March.

B and C attend the interview in same month but not in February. B doesn't attend the interview after A.

Here, if B and C attend the interview in April month and then A attends the interview before B which is not possible. Also we know B and C are not attending the interview in March (H attends the interview) and February (given in statement). Therefore B and C are attending the interview in January month.

Note: Either B or C attends the interview on either 8th or 19th of January. So we get two possibilities.

Three persons attend the interview between F and G. G attends the interview on 8th of the month.

Here we get one more possibility for each case i.e. Either F or G attends the interview at first between them. Note: Either F or G (given 8th of any month) attend the interview in February 8th or April 8th in both cases (only possibility)

By using all information, we get the initial table as follows,

| Case: 1  |                  |        | Case: 1-A |                  |        |
|----------|------------------|--------|-----------|------------------|--------|
| Month    | Date             | Person | Month     | Date             | Person |
| January  | 8 <sup>th</sup>  | B      | January   | 8 <sup>th</sup>  | B      |
|          | 19 <sup>th</sup> | C      |           | 19 <sup>th</sup> | C      |
| February | 8 <sup>th</sup>  | G      | February  | 8 <sup>th</sup>  | F      |
|          | 19 <sup>th</sup> |        |           | 19 <sup>th</sup> |        |
| March    | 8 <sup>th</sup>  |        | March     | 8 <sup>th</sup>  |        |
|          | 19 <sup>th</sup> | H      |           | 19 <sup>th</sup> | H      |
| April    | 8 <sup>th</sup>  | F      | April     | 8 <sup>th</sup>  | G      |
|          | 19 <sup>th</sup> |        |           | 19 <sup>th</sup> |        |

| Case:2   |                  |        | Case:2-A |                  |        |
|----------|------------------|--------|----------|------------------|--------|
| Month    | Date             | Person | Month    | Date             | Person |
| January  | 8 <sup>th</sup>  | C      | January  | 8 <sup>th</sup>  | C      |
|          | 19 <sup>th</sup> | B      |          | 19 <sup>th</sup> | B      |
| February | 8 <sup>th</sup>  | G      | February | 8 <sup>th</sup>  | F      |
|          | 19 <sup>th</sup> |        |          | 19 <sup>th</sup> |        |
| March    | 8 <sup>th</sup>  |        | March    | 8 <sup>th</sup>  |        |
|          | 19 <sup>th</sup> | H      |          | 19 <sup>th</sup> | H      |
| April    | 8 <sup>th</sup>  | F      | April    | 8 <sup>th</sup>  | G      |
|          | 19 <sup>th</sup> |        |          | 19 <sup>th</sup> |        |

### Reference:

Number of persons attending the interview between D and E is twice the number of persons attending the interview between B and A.

Neither D nor E attends the interview in the same month as G.



D does not attend the interview on 19th.

**Inference:**

From above statements,

Number of persons attending the interview between D and E is twice the number of persons attending the interview between B and A.

As per statement, if number of persons attends the interview between B and A is 1 and then number of persons attend the interview between D and E is 2 [example]

Neither D nor E attends the interview in the same month as G. D does not attend the interview on 19th.

Both D and E are attending the interview in the month which is different from G. Also, D attends the interview on 8th of any month.

Based on the above said condition let check all the following case;

**Case: 1 & 1-A:** Here as per table, minimum number of persons attends the interview between B and A is 2 and then of persons attends the interview between D and E is must be 3, but it is not possible in both cases. Hence these cases become invalid and can be eliminated.

| Case: 1 [Eliminated] |                  |        | Case: 1-A [Eliminated] |                  |        |
|----------------------|------------------|--------|------------------------|------------------|--------|
| Month                | Date             | Person | Month                  | Date             | Person |
| January              | 8 <sup>th</sup>  | B      | January                | 8 <sup>th</sup>  | B      |
|                      | 19 <sup>th</sup> | C      |                        | 19 <sup>th</sup> | C      |
| February             | 8 <sup>th</sup>  | G      | February               | 8 <sup>th</sup>  | F      |
|                      | 19 <sup>th</sup> | A      |                        | 19 <sup>th</sup> | A      |
| March                | 8 <sup>th</sup>  |        | March                  | 8 <sup>th</sup>  |        |
|                      | 19 <sup>th</sup> | H      |                        | 19 <sup>th</sup> | H      |
| April                | 8 <sup>th</sup>  | F      | April                  | 8 <sup>th</sup>  | G      |
|                      | 19 <sup>th</sup> |        |                        | 19 <sup>th</sup> |        |

**Case 2:** Here, number of persons attends the interview between B and A is 1 and then number of persons attends the interview between D and E is 2 i.e. A attends on 19<sup>th</sup> February, D attends on 8<sup>th</sup> March and E attends on April 19<sup>th</sup>. Thus all conditions gets satisfied and we get the final table as shown.

**Case 2-A:** Here, all above said conditions satisfied (Case-2) except G and E i.e. G and E should attend the interview in different months as per statement, but here both are attending in April month which violates the statement. Hence this case become invalid and can be eliminated.

| Case:2   |                  |        | Case:2-A [Eliminated]<br>G and E attends in different month |                  |        |
|----------|------------------|--------|-------------------------------------------------------------|------------------|--------|
| Month    | Date             | Person | Month                                                       | Date             | Person |
| January  | 8 <sup>th</sup>  | C      | January                                                     | 8 <sup>th</sup>  | C      |
|          | 19 <sup>th</sup> | B      |                                                             | 19 <sup>th</sup> | B      |
| February | 8 <sup>th</sup>  | G      | February                                                    | 8 <sup>th</sup>  | F      |
|          | 19 <sup>th</sup> | A      |                                                             | 19 <sup>th</sup> | A      |
| March    | 8 <sup>th</sup>  | D      | March                                                       | 8 <sup>th</sup>  | D      |
|          | 19 <sup>th</sup> | H      |                                                             | 19 <sup>th</sup> | H      |
| April    | 8 <sup>th</sup>  | F      | April                                                       | 8 <sup>th</sup>  | G      |
|          | 19 <sup>th</sup> | E      |                                                             | 19 <sup>th</sup> | E      |

### Answers:

**41.**

Following the common explanation, we get "Both (C.) and (A.)", G and A attend the interview in February month.

Hence, option E is correct.

**42.**

Following the common explanation, we get "More than three", Four persons attend the interview between B and F.

Hence, option E is correct.

**43.**

Following the common explanation, we find that "Two persons attend the interview between A and C", is the true statement.

Hence, option C is correct.

**44.**

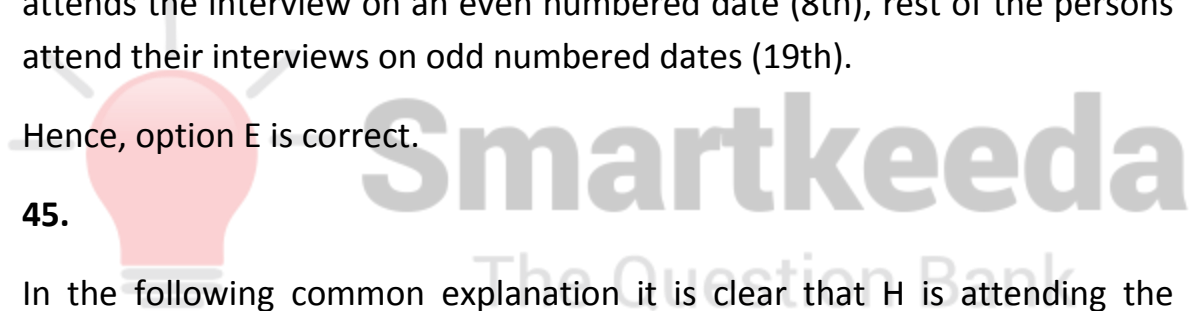
From the following explanation it is clear that 'C' is the only one who attends the interview on an even numbered date (8th), rest of the persons attend their interviews on odd numbered dates (19th).

Hence, option E is correct.

**45.**

In the following common explanation it is clear that H is attending the interview on 19th march?

Hence, option C is correct.



## Set-10

### Common Explanation for Q. no. 46 to 50:

#### Reference:

Pink coloured box was placed below the Black coloured box, which was placed at the gap of 2 boxes below Purple coloured box.

#### Inference:

Here, we have three possible scenarios in which the above hints can be used accordingly.

#### Case 1:



| Box colour |
|------------|
|            |
| Purple     |
|            |
|            |
| Black      |
| Pink       |

#### Case 2:

| Box colour |
|------------|
| Purple     |
|            |
|            |
| Black      |
| Pink       |
|            |

#### Case 3:

| Box colour |
|------------|
| Purple     |
|            |
|            |
| Black      |
|            |
| Pink       |

### Reference:

Pink coloured box was placed below Blue coloured box, which was placed immediately above the Green coloured box.

### Inference:

After, using the above hints, we have:

### Case 1:

| Box colour |
|------------|
| Purple     |
| Blue       |
| Green      |
| Black      |
| Pink       |

### Case 2:

| Box colour |
|------------|
| Purple     |
| Blue       |
| Green      |
| Black      |
| Pink       |
|            |

**Case 3:**

| Box colour |
|------------|
| Purple     |
| Blue       |
| Green      |
| Black      |
|            |
| Pink       |

**Reference:**

Red coloured box was not placed adjacent to Black coloured box.

Neither the Red nor Purple coloured box was placed at the bottom of the stack.

**Inference:**

At this point we cannot fix the position of Red coloured box in case 2 and 3 according to the given hints so we can say that **case 2 and case 3 are invalid cases.**

**Case 1:**

| Box colour |
|------------|
| Red        |
| Purple     |
| Blue       |
| Green      |
| Black      |
| Pink       |

**Answers:**

**46.**

Following the final solution, we can say that Red coloured box was placed at a gap of two boxes from Green coloured box.

Hence, the correct answer is option D.

**47.**

Following the final solution, we can say that there was no box between Pink and Black coloured box.

Hence, the correct answer is option A.

**48.**

Following the final solution, we can say that Red box placed at the top.

Hence, the correct answer is option B.

**49.**

Following the final solution, we can say that the position of Purple coloured box is Second from the top or Fifth from bottom.

Hence, the correct answer is option C.

**50.**

In the Following final solution it is clear that Black coloured box is placed even numbered box.

This statement is true.

Hence, the correct answer is option D.

## Set-11

### Common Explanation for Q. no. 51 to 55:

#### Reference:

Box D is second from the top.

There are three boxes between Box A and Box B.

Box A is placed above Box B.

Box E is placed two boxes above Box B.

Box F is placed immediately below Box B.

#### Inference:

From above statements we get only one possibility as follows,

Box D is placed in 5<sup>th</sup> rack (given, 2<sup>nd</sup> from top).

Box A is placed in 6<sup>th</sup> rack and Box B is placed in 2<sup>nd</sup> rack (given, three boxes between Box A and Box B)

Box E is placed in 4<sup>th</sup> rack (given, one box above Box B)

Box F is placed in 1<sup>st</sup> rack (given, immediately below Box B)

Finally, Box C is placed in 3<sup>rd</sup> rack.

By using above information, we get the initial table as follows.

| Box position | Boxes | Number of fruits |
|--------------|-------|------------------|
| 6            | Box A |                  |



|   |       |  |
|---|-------|--|
| 5 | Box D |  |
| 4 | Box E |  |
| 3 | Box C |  |
| 2 | Box B |  |
| 1 | Box F |  |

**Reference:**

Each of the boxes has different number of fruits among 11, 14, 18, 19, 22 and 26 but not necessarily in the same order.

Box B and Box A have number of fruits which is multiple of 11.

Box A has less number of fruits than Box B.

Box C has prime number of fruits.

Box D is second from the top and has fruits in multiples of 9.

The difference in the number of fruits in Box F and Box A is one less than the difference between the number of fruits of Box D and Box F.

**Inference:**

From above statements,

Among given numbers, 11 and 22 are in multiple of 11.

Given  $\text{Box A} < \text{Box B}$  and both boxes have fruits in multiple of 11.

Therefore, Box B has 22 fruits and Box A has 11 fruits.

Box C has 19 fruits (only prime number left among given)

Box D has 18 fruits (only number in multiple of 9 among given)

Given, Difference (Box F and Box A) = [Difference (Box D and Box F)] – 1

The remaining numbers are 14 and 26. To satisfy above condition

Box F has 14 fruits i.e. Difference (Box F – Box A = 14 – 11 = 3) and  
Difference (Box D – Box F = 18 – 14 = 4)

Finally, Box E has 26 fruits. Thus we get the completed table as follows,



| Box position | Boxes | Number of fruits |
|--------------|-------|------------------|
| 6            | Box A | 11               |
| 5            | Box D | 18               |
| 4            | Box E | 26               |
| 3            | Box C | 19               |
| 2            | Box B | 22               |
| 1            | Box F | 14               |

### **Answers:**

**51.**

The following common explanation, we get "Box E has 26 fruits and it is placed immediately above Box C".

Hence, option B is correct.

**52.**

The following common explanation, we get "33".

Box F-14 and Box C-19, Sum =  $14 + 19 = 33$

Hence, option C is correct.

**53.**

The following common explanation, we get "6".

Box E-26 and Box S-32, Difference, Box S-Box E= $32-26=06$

Hence option A is correct.

**54.**

In the following common explanation it is clear that Box E has maximum number of fruits.

Hence option C is correct.

**55.**

In the following common explanation it is clear that the position of Box E is second from the top or fifth from the bottom.

Hence, option B is correct.

## Set-12

### Common Explanation for Q. no. 56 to 60:

#### Reference:

Five persons – Sudep, Kartik, Raghu, Hemant and Vijay, have some amount of money with them. The total amount of money they have is \$450. Each one of them has at least \$30.

#### Inference:

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

#### Reference:

The total amount of money that Sudep has is twice the square of a natural number and is over \$100.

Total amount of money with Hemant and Vijay are equal to the amount of money with Sudep.

#### Inference:

Here, we have several possible scenarios in which the amount of money of Sudep can be figured out.

#### Possibility 1:

Sudep has  $2 \times 8^2 = \$128$ .

If Sudep has 128\$ then Hemant and Vijay together have 128\$ then amount of money with Raghu and Kartik is  $(450 - 128 - 128)\$ = \$194$ .

**It might be possible.**

**Possibility 2:**

Sudep has  $2 \times 9^2 = \$162$ .

If Sudep has 162\$ then Hemant and Vijay together have 162\$ then amount of money with Raghu and Kartik is  $\$(450 - 162 - 162) = \$126$ .

**It might be possible.**

**Possibility 3:**

Sudep has  $2 \times 10^2 = \$200$ .

If Sudep has 200\$ then Hemant and Vijay together have 200\$ then amount of money with Raghu and Kartik is  $\$(450 - 200 - 200) = \$50$ .

Which is not possible because it is given that **each one of them has at least \$30**.

**Reference:**

Hemant and Vijay have the amount of money in the ratio of 3:5.

**Inference:**

Let's say that the amount of money with Hemant and Vijay is 3X and 5X respectively, where X is a natural number.

Then, total amount of money with Hemant and Vijay is 8X.

We have:

**Possibility 1:**

Hemant and Vijay together have \$128.

Now,  $8X = \$128 \Rightarrow X = \$16$ .

Then, we can say that **Hemant has \$48 and Vijay has \$80.**

**It might be possible.**

**Possibility 2:**

Hemant and Vijay together have \$162.

Now,  $8X = \$162 \Rightarrow X = \$20.25$ .

**It is not possible, as X is a natural number.**

At this point, we have:

| Person | Amount |
|--------|--------|
| Sudep  | \$128  |
| Vijay  | \$80   |
| Hemant | \$48   |

**Also,** total amount of money with Raghu and Kartik is 194\$.

**Reference:** Raghu has \$4 more than thrice the square of a natural number.

Kartik has an odd amount of money, less than Raghu.

### **Inference:**

As we have already figured out that **total amount of money with Raghu and Kartik is \$194** and with the above information we can say that both Kartik and Raghu have odd amount of money.

Now, the possible scenarios for the amount of money with Raghu and Kartik is are:

**Possibility A:** Raghu has  $3 \times 3^2 + 4 = \$31$ .

If Raghu has \$31, then Kartik has  $$(194 - 31) = \$153$  **which is not possible as Kartik has less amount of money than Raghu.**

**Possibility B:** Raghu has  $3 \times 5^2 + 4 = \$79$ .

If Raghu has \$79, then Kartik has  $$(194 - 79) = \$115$  **which is not possible as Kartik has amount of money than Raghu.**

### **Possibility C:**

Raghu has  $3 \times 7^2 + 4 = \$151$ .

If Raghu has \$151, then Kartik has  $$(194 - 151) = \$43$  **this is the only possible scenario under the given condition.**

Now,

| Person | Amount |
|--------|--------|
| Raghu  | \$151  |
| Sudep  | \$128  |

|        |      |
|--------|------|
| Vijay  | \$80 |
| Hemant | \$48 |
| Kartik | \$43 |

**Answers:**

**56.**

Following the final solution we can say that Raghu has highest amount of Money.

Hence, the correct answer is option B.

**57.**

Following the final solution we can say that the amount of money which Raghu and Kartik have is \$151 and \$43 respectively.

Required Difference =  $$(151 - 43) = \$108$

Hence, the correct answer is option D.

**58.**

Following the final solution we can say that Kartik has least amount of money.

Hence, the correct answer is option A.

**59.**

Following the final solution we can say that Sudep has \$128.

Hence, the correct answer is option C.

**60.**

Following the final solution we can say that Hemant and Sudep have \$48 and \$128 respectively.



Required Sum =  $\$(48 + 128) = \$176$

Hence, the correct answer is option A.



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The Question Bank

## Set-13

### Common Explanation for Q. no. 61 to 65:

#### Reference:

Piya teacher made an observation on the basis of the ranks of seven students – Piya, Riya, Shreya, Niya, Diya, Miya and Jiya, in the previous exams taken by them.

#### Inference:

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

#### Reference:

Jiya always performs better than Piya.

Piya always performs better than Riya.

#### Inference:

After using the above **Reference:** we have:

#### Order of Ranks:

Jiya > Piya > Riya

#### Reference:

Each time either Shreya tops the class and Diya gets the last rank, or alternatively Niya tops the class and either Miya or Riya gets the last rank.

### **Inference:**

After using the above **Reference:** we have:

### **Possibilities of 1<sup>st</sup> and 7<sup>th</sup> rank:**

#### **Possibility 1:**

Rank 1 = Shreya

Rank 7 = Diya

#### **Possibility 2:**

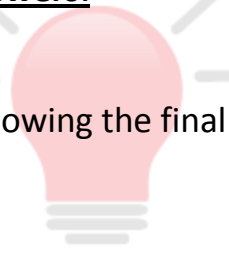
Rank 1 = Niya

Rank 7 = either Miya or Riya

### **Answers:**

**61.**

Following the final solution, and applying the given conditions, we have:



| Rank | Person      |
|------|-------------|
| 1    | Niya        |
| 2    | Shreya/Diya |
| 3    | Diya/Shreya |
| 4    | Miya        |
| 5    | Jiya        |
| 6    | Piya        |
| 7    | Riya        |

Here, we can say that Rank of Niya is 1.

Hence, the correct answer is option **D**.

**62.**

Following the final solution, and applying the given conditions, we have:

| Rank | Person |
|------|--------|
| 1    | Niya   |
| 2    | Diya   |
| 3    | Shreya |
| 4    | Miya   |
| 5    | Jiya   |
| 6    | Piya   |
| 7    | Riya   |

Here, we can say that Rank of Diya is 2.

Hence, the correct answer is option **B**.

63.

Following the final solution, and applying the given conditions, we have:

| Rank | Person |
|------|--------|
| 1    | Niya   |
| 2    | Jiya   |
| 3    | Piya   |
| 4    | Riya   |
| 5    | Shreya |
| 6    | Diya   |
| 7    | Miya   |

Here, we can say that Rank of Miya is 7.

Hence, the correct answer is option **D**.

64.

Following the final solution, and applying the given conditions, we have:

| Rank | Person      |
|------|-------------|
| 1    | Niya        |
| 2    | Jiya        |
| 3    | Piya        |
| 4    | Riya        |
| 5    | Shreya/Diya |
| 6    | Diya/Shreya |
| 7    | Miya        |

Here, we cannot find Rank of Diya.

Hence, the correct answer is option **D**.

65.

Following the final solution, and applying the given conditions, we have:

| Rank | Person |
|------|--------|
| 1    | Shreya |
| 2    | Niya   |
| 3    | Jiya   |
| 4    | Piya   |
| 5    | Riya   |
| 6    | Miya   |
| 7    | Diya   |

Here, we can say that Rank of Shreya is 1<sup>st</sup>.

Hence, the correct answer is option **B**.

## Set-14

### Common Explanation for Q. no. 66 to 70:

#### Reference:

Seven persons – Rama, Bony, Joya, Kaur, Gopi, Aman and Sonu lives on seven different floors in the same building. The building has seven floors from 1 to 7 in such a way that ground floor is numbered 1, the above floor is numbered 2 and so on.

#### Inference:

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

#### Reference:

Number of floors above and below Gopi are same.

Kaur lives at the gap of one floor from Gopi.

#### Inference:

Here, we have two possible scenarios in which the above hints can be used accordingly.

#### Case 1:

| Floor | Person |
|-------|--------|
| 7     |        |
| 6     |        |
| 5     |        |
| 4     | Gopi   |
| 3     |        |
| 2     | Kaur   |
| 1     |        |

**Case 2:**

| Floor | Person |
|-------|--------|
| 7     |        |
| 6     | Kaur   |
| 5     |        |
| 4     | Gopi   |
| 3     |        |
| 2     |        |
| 1     |        |

**Reference:**

Number of floors between Kaur and Bony are twice the number of floors between Bony and Sonu.

**Inference:**

After using the above hints, we have:

**Case 1:**

| Floor | Person |
|-------|--------|
| 7     | Sonu   |
| 6     |        |
| 5     | Bony   |
| 4     | Gopi   |
| 3     |        |
| 2     | Kaur   |
| 1     |        |

**Case 2:**

| Floor | Person |
|-------|--------|
| 7     |        |
| 6     | Kaur   |
| 5     |        |
| 4     | Gopi   |

|   |      |
|---|------|
| 3 | Bony |
| 2 |      |
| 1 | Sonu |

### Reference:

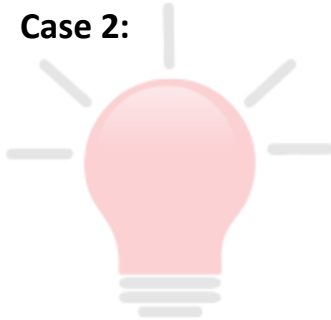
Aman lives on an even numbered floor below Bony.

Numbers of floors above Sonu are same as numbers of floors below Joya.

### Inference:

At this point we cannot fix the position of Aman according to the given hints in case 1. So, we can say that **case 1 is an invalid case.**

### Case 2:



| Floor | Person |
|-------|--------|
| 7     | Joya   |
| 6     | Kaur   |
| 5     |        |
| 4     | Gopi   |
| 3     | Bony   |
| 2     | Aman   |
| 1     | Sonu   |

At this point we can easily fix the position of Rama on floor 5 in case 2.

### Case 2:

| Floor | Person |
|-------|--------|
| 7     | Joya   |
| 6     | Kaur   |
| 5     | Rama   |
| 4     | Gopi   |
| 3     | Bony   |
| 2     | Aman   |
| 1     | Sonu   |



**Answers:**

**66.**

Following the final solution we can say that there were three floors between Kaur and Aman.

Hence, the correct answer is option D.

**67.**

Following the final solution we can say that only Rama lives at the gap of two floors from Aman.

Hence, the correct answer is option B.

**68.**

Following the final solution we can say that Bony lives on the third floor.

Hence, the correct answer is option E.

**69.**

The following common explanation, we get "Gopi-Even numbered floor".

Remaining four persons are living in odd numbered floor

Hence, option E is correct.

**70.**

In the following common explanation it is clear that seven persons live above Sonu.

Hence, the correct answer is option D.

## Set-15

### Common Explanation for Q. no. 71 to 75:

#### Reference:

Box B is placed in even numbered position.

Four boxes are placed between Box F and Box B.

Box B is placed above Box F.

Only two boxes are placed between the Box H and Box D in which Box D is placed below Box H.

Box H is placed in odd numbered position.

Box H is not placed above Box B.

#### Inference:

From above statements,

**Case 1:** If Box B is placed at 8<sup>th</sup> position and then Box F is placed at 3<sup>rd</sup> position.Box H is placed at 7<sup>th</sup> position and Box D is placed at 4<sup>th</sup> position.

**Case 1-A:** If Box B is placed at 8<sup>th</sup> position and then Box F is placed at 3<sup>rd</sup> position.Box H is placed at 5<sup>th</sup> position and Box D is placed at 2<sup>nd</sup> position.

**Case 2:** If Box B is placed at 6<sup>th</sup> position and then Box F is placed at 1<sup>st</sup> position.Box H is placed at 5<sup>th</sup> position and Box D is placed at 2<sup>nd</sup> position.

Based on the above information, we get the initial table as follows,

| Case:1       |       | Case:1-A     |       | Case:2       |       |
|--------------|-------|--------------|-------|--------------|-------|
| Box position | Boxes | Box position | Boxes | Box position | Boxes |
| 8            | Box B | 8            | Box B | 8            |       |
| 7            | Box H | 7            |       | 7            |       |

|   |       |   |       |   |       |
|---|-------|---|-------|---|-------|
| 6 |       | 6 |       | 6 | Box B |
| 5 |       | 5 | Box H | 5 | Box H |
| 4 | Box D | 4 |       | 4 |       |
| 3 | Box F | 3 | Box F | 3 |       |
| 2 |       | 2 | Box D | 2 | Box D |
| 1 |       | 1 |       | 1 | Box F |

### Reference:

Only one box is placed between the Box G and Box E in which Box E is placed below Box G.

Box F is not placed above Box A.

### Inference:

From above statements,

**Case 1 & 2:** Based on the above condition, there is no place for Box G and Box E at a gap of 1 position. Hence, this case becomes invalid and it can be eliminated.

**Case 1-A:** Based on the above condition, Box G is placed at 6<sup>th</sup> position and Box E is 4<sup>th</sup> position. Given, Box F is not placed above Box A. Therefore, Box A is placed at 7<sup>th</sup> position and Box C is placed at 1<sup>st</sup> position. Thus we get the completed table,

| Case:1 [Eliminated] |       | Case:1-A     |       | Case:2 [Eliminated] |       |
|---------------------|-------|--------------|-------|---------------------|-------|
| Box position        | Boxes | Box position | Boxes | Box position        | Boxes |
| 8                   | Box B | 8            | Box B | 8                   |       |
| 7                   | Box H | 7            | Box A | 7                   |       |
| 6                   |       | 6            | Box G | 6                   | Box B |
| 5                   |       | 5            | Box H | 5                   | Box H |
| 4                   | Box D | 4            | Box E | 4                   |       |
| 3                   | Box F | 3            | Box F | 3                   |       |

|   |  |   |       |   |       |
|---|--|---|-------|---|-------|
| 2 |  | 2 | Box D | 2 | Box D |
| 1 |  | 1 | Box C | 1 | Box F |

**Answers:**

**71.**

The following common explanation, we get "Box E".

Hence, option B is correct.

**72.**

The following common explanation, we get "Box A".

Box A is placed adjacent to Box B and Box G

Hence, option A is correct.

**73.**

The following common explanation, we get "Box B is placed three boxes above Box H".

Hence, option D is correct.

**74.**

In the following common explanation it is that box H is placed between box G and box E.

Hence, option C is correct.

**75.**

In the following common explanation it is clear that the position of box B is 8th from the bottom.

Hence, option D is correct.

## Set-16

### Common Explanation for Q. no. 76 to 80:

#### Reference:

Box B is placed in even numbered position.

Four boxes are placed between Box F and Box B.

Box B is placed above Box F.

Only two boxes are placed between the Box H and Box D in which Box D is placed below Box H.

Box H is placed in odd numbered position.

Box H is not placed above Box B.

#### Inference:

From above statements,

**Case 1:** If Box B is placed at 8<sup>th</sup> position and then Box F is placed at 3<sup>rd</sup> position.Box H is placed at 7<sup>th</sup> position and Box D is placed at 4<sup>th</sup> position.

**Case 1-A:** If Box B is placed at 8<sup>th</sup> position and then Box F is placed at 3<sup>rd</sup> position.Box H is placed at 5<sup>th</sup> position and Box D is placed at 2<sup>nd</sup> position.

**Case 2:** If Box B is placed at 6<sup>th</sup> position and then Box F is placed at 1<sup>st</sup> position.Box H is placed at 5<sup>th</sup> position and Box D is placed at 2<sup>nd</sup> position.

Based on the above information, we get the initial table as follows,

| Case:1       |       | Case:1-A     |       | Case:2       |       |
|--------------|-------|--------------|-------|--------------|-------|
| Box position | Boxes | Box position | Boxes | Box position | Boxes |
| 8            | Box B | 8            | Box B | 8            |       |

|   |       |   |       |   |       |
|---|-------|---|-------|---|-------|
| 7 | Box H | 7 |       | 7 |       |
| 6 |       | 6 |       | 6 | Box B |
| 5 |       | 5 | Box H | 5 | Box H |
| 4 | Box D | 4 |       | 4 |       |
| 3 | Box F | 3 | Box F | 3 |       |
| 2 |       | 2 | Box D | 2 | Box D |
| 1 |       | 1 |       | 1 | Box F |

### Reference:

Only one box is placed between the Box G and Box E in which Box E is placed below Box G.

Box F is not placed above Box A.

### Inference:

From above statements,

**Case 1 & 2:** Based on the above condition, there is no place for Box G and Box E at a gap of 1 position. Hence, this case becomes invalid and it can be eliminated.

**Case 1-A:** Based on the above condition, Box G is placed at 6<sup>th</sup> position and Box E is 4<sup>th</sup> position. Given, Box F is not placed above Box A. Therefore, Box A is placed at 7<sup>th</sup> position and Box C is placed at 1<sup>st</sup> position. Thus we get the completed table,

| Case:1 [Eliminated] |       | Case:1-A     |       | Case:2 [Eliminated] |       |
|---------------------|-------|--------------|-------|---------------------|-------|
| Box position        | Boxes | Box position | Boxes | Box position        | Boxes |
| 8                   | Box B | 8            | Box B | 8                   |       |
| 7                   | Box H | 7            | Box A | 7                   |       |
| 6                   |       | 6            | Box G | 6                   | Box B |
| 5                   |       | 5            | Box H | 5                   | Box H |
| 4                   | Box D | 4            | Box E | 4                   |       |
| 3                   | Box F | 3            | Box F | 3                   |       |
| 2                   |       | 2            | Box D | 2                   | Box D |

|   |  |   |       |   |       |
|---|--|---|-------|---|-------|
| 1 |  | 1 | Box C | 1 | Box F |
|---|--|---|-------|---|-------|

**Answers:**

**76.**

The following common explanation, we get "Box E".

Hence, option B is correct.

**77.**

The following common explanation, we get "Box A".

Box A is placed adjacent to Box B and Box G

Hence, option A is correct.

**78.**

The following common explanation, we get "Box B is placed three boxes above Box H".

Hence, option D is correct.

**79.**

In the following common explanation it is that box H is placed between box G and box E.

Hence, option C is correct.

**80.**

In the following common explanation it is clear that the position of box B is 8th from the bottom.

Hence, option D is correct.

## Set-17

### Common Explanation for Q. no. 81 to 85:

#### Reference:

Box H2 has 29 balls and placed in fifth rack.

There are two boxes are placed between Box H5 and Box H2.

Box H5 is placed immediately above the one box which has 27 balls.

There are as many as boxes placed between the box which has 29 balls and the box which has 27 balls is same as the box which has 29 balls and the box which has 31 balls.

#### Inference:

From above statements,

Box H2 has 29 balls and placed in 5<sup>th</sup> rack. Given, there are two boxes are placed between Box H5 and Box H2. Therefore Box H5 can place in either 8<sup>th</sup> rack or 2<sup>nd</sup> rack. So here we get two possibilities.

**Case-1:** Box H2 has 29 balls and placed in 5<sup>th</sup> rack. Box H5 is placed in 8<sup>th</sup> rack (2 boxes placed between Box H2 and Box H5). Given, Box H5 is placed immediately above the one box which has 27 balls. Thus, the box which has 27 balls is placed in 7<sup>th</sup> rack. Now as per last **Reference:** point, only one box is placed between the box which has 29 balls and the box which has 27 balls and then there must be only one box is placed between the box which has 29 balls and the box which has 31 balls i.e. the box which has 31 balls is placed in 3<sup>rd</sup> rack.

**Case-2:** Box H2 has 29 balls and placed in 5<sup>th</sup> rack. Box H5 is placed in 2<sup>nd</sup> rack (2 boxes placed between Box H2 and Box H5). Given, Box H5 is placed immediately above the one box which has 27 balls. Thus, the box which has 27 balls is placed in 1<sup>st</sup> rack. Now as per last **Reference:** point, three boxes are placed between the box which has 29 balls and the box



which has 27 balls and then there must be only three boxes are placed between the box which has 29 balls and the box which has 31 balls. **But it is not possible in this case and it can be eliminated.**

By using above information we get the following initial table,

| Case-1 |        |              | Case-2 [Eliminated]<br>4 <sup>th</sup> Reference: point not satisfied |        |              |
|--------|--------|--------------|-----------------------------------------------------------------------|--------|--------------|
| Rack   | Box    | No. of balls | Rack                                                                  | Box    | No. of balls |
| 8      | Box H5 |              | 8                                                                     |        |              |
| 7      |        | 27           | 7                                                                     |        |              |
| 6      |        |              | 6                                                                     |        |              |
| 5      | Box H2 | 29           | 5                                                                     | Box H2 | 29           |
| 4      |        |              | 4                                                                     |        |              |
| 3      |        | 31           | 3                                                                     |        |              |
| 2      |        |              | 2                                                                     | Box H5 |              |
| 1      |        |              | 1                                                                     |        | 27           |

**Reference:**

Box H6 is placed in even numbered rack.

There are three boxes are placed between Box H6 and Box H3.

Box H3 is not placed in the topmost position.

Box H8 has 37 balls.

Neither Box H8 nor Box H1 is placed in lowermost position.

There are two boxes are placed between Box H8 and Box H1.

**Inference:**

From above statements,

Note: Box H6 can't place in 4th rack; if so there is no place for Box H3 i.e. three boxes are placed between Box H6 and Box H3 (**Reference:** points 1 and 2)

Case-1: Box H6 is placed in 6th rack (even numbered rack) and Box H3 is placed in 6th rack (3 boxes are placed between Box H6 and Box H3). Now, Box H8 (has 37 balls) is placed in 4th rack (only possibility) since Box H8 is not placed in 1st rack. Finally, Box H1 is placed in 7th rack (only possibility) since Box H1 is not placed in 1st rack (note: 2 boxes are placed between Box H8 and Box H1). All the **Reference:** points get satisfied.

Case-1-A: Box H6 is placed in 4th rack (even numbered rack) and Box H3 is placed in 2nd rack (3 boxes are placed between Box H6 and Box H3). Now, Box H8 (has 37 balls) is placed in 4th rack (only possibility) since Box H8 is not placed in 1st rack. Finally, Box H1 is placed in 7th rack (only possibility) since Box H1 is not placed in 1st rack (note: 2 boxes are placed between Box H8 and Box H1). All the **Reference:** points get satisfied.

By using above information we get the following table,

| Case-1 |        |              | Case-1-A |        |              |
|--------|--------|--------------|----------|--------|--------------|
| Rack   | Box    | No. of balls | Rack     | Box    | No. of balls |
| 8      | Box H5 |              | 8        | Box H5 |              |
| 7      | Box H1 | 27           | 7        | Box H1 | 27           |
| 6      | Box H6 |              | 6        | Box H3 |              |
| 5      | Box H2 | 29           | 5        | Box H2 | 29           |
| 4      | Box H8 | 37           | 4        | Box H8 | 37           |
| 3      |        | 31           | 3        |        | 31           |
| 2      | Box H3 |              | 2        | Box H6 |              |
| 1      |        |              | 1        |        |              |

**Reference:**

Box H7 is placed in odd prime numbered rack.

There are only three boxes are placed between the box which has 41 balls and the box which has 37 balls.

The one box which has 33 balls is placed immediately below the box which has 35 balls.

Box H6 doesn't have 39 balls.

### **Inference:**

From above statements,

**Case-1:** Box H7 is placed in 3<sup>rd</sup> rack (only possibility) i.e. odd prime numbered rack. Finally, Box H4 (only box left among 8) is placed in 1<sup>st</sup> rack (only rack left among 8). Given, there are only three boxes are placed between the box which has 41 balls and the box which has 37 balls. As per table, Box H8 (37 balls) and Box H5 (41 balls) are placed in 4<sup>th</sup> and 8<sup>th</sup> rack respectively (only possibility). Given the one box which has 33 balls is placed immediately below the box which has 35 balls. As per table, Box H3 (35 balls) and Box H4 (33 balls) are placed in 2<sup>nd</sup> and 1<sup>st</sup> rack respectively (only possibility). Given, Box H6 doesn't have 39 balls and **then this case become invalid and it can be eliminated.**

**Case-1-A:** Box H7 is placed in 3<sup>rd</sup> rack (only possibility) i.e. odd prime numbered rack. Finally, Box H4 (only box left among 8) is placed in 1<sup>st</sup> rack (only rack left among 8). Given, there are only three boxes are placed between the box which has 41 balls and the box which has 37 balls. As per table, Box H8 (37 balls) and Box H5 (41 balls) are placed in 4<sup>th</sup> and 8<sup>th</sup> rack respectively (only possibility). Given the one box which has 33 balls is placed immediately below the box which has 35 balls. As per table, Box H6 (35 balls) and Box H4 (33 balls) are placed in 2<sup>nd</sup> and 1<sup>st</sup> rack respectively (only possibility). Finally, Box H3 has 39 balls (only possibility) and we get the completed table.

|                                                                   |                 |
|-------------------------------------------------------------------|-----------------|
| <b>Case-1 [Eliminated]</b><br><b>Box H6 doesn't have 39 balls</b> | <b>Case-1-A</b> |
|-------------------------------------------------------------------|-----------------|

| Rack | Box    | No. of balls | Rack | Box    | No. of balls |
|------|--------|--------------|------|--------|--------------|
| 8    | Box H5 | 41           | 8    | Box H5 | 41           |
| 7    | Box H1 | 27           | 7    | Box H1 | 27           |
| 6    | Box H6 |              | 6    | Box H3 | 39           |
| 5    | Box H2 | 29           | 5    | Box H2 | 29           |
| 4    | Box H8 | 37           | 4    | Box H8 | 37           |
| 3    | Box H7 | 31           | 3    | Box H7 | 31           |
| 2    | Box H3 | 35           | 2    | Box H6 | 35           |
| 1    | Box H4 | 33           | 1    | Box H4 | 33           |

**Answers:**

**81.**

Following the common explanation, we get "Box-H3 has 39 balls and it is placed in 6th rack".

Hence, option A is correct.

**82.**

Following the common explanation, we get "Three boxes".

Hence, option C is correct.

**83.**

Following the common explanation, we get "74 balls".

Box H5 - 41 balls (topmost) and Box H4-33 balls (lowermost)

Sum =  $41 + 33 = 74$  balls

Hence, option D is correct.

**84.**

Following the common explanation, we get "None is true".

Hence, option E is correct.

**85.**

Following the common explanation, we get "Box H4-1st rack-33 balls".

Hence, option C is correct.



## Set-18

### Common Explanation for Q. no. 86 to 90:

#### Reference:

Seven persons – Subh, Isha, Kanya, Ritu, Manav, Drona and Uttam are divided into three teams – A, B and C. There are at least two persons and only male person included in each team. Among these persons two of them belong to Delhi, two belong to Noida and three belong to Agra.

#### Inference:

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

#### Reference:

Isha is a male, who belongs to Delhi, and is in the Team–A with only Uttam, who belongs to Agra.

Subh does not belong to Delhi but was part of Team–B.

#### Inference:

As we know that there was only one male person in each team so we can say that Uttam is a female person.

| Team | Person        | City  |
|------|---------------|-------|
| A    | Isha(Male)    | Delhi |
|      | Uttam(Female) | Agra  |
| B    | Subh          |       |

Here, **we will make a mental note that Subh does not belong to Delhi.**

#### Reference:

Kanya belongs to Noida and she is not in the same team as the pair of sisters Subh and Drona.

#### Inference:

After using the above **Reference:**, we have:

| Team | Person        | City  |
|------|---------------|-------|
| A    | Isha(Male)    | Delhi |
|      | Uttam(Female) | Agra  |
| B    | Subh(Female)  |       |
|      | Drona(Female) |       |
| C    | Kanya(Female) | Noida |

**Reference:**

Ritu is a male and belongs to Noida.

Two persons belonging to the same city were not of the same team.

**Inference:**

After using the above **Reference:**, we have:

| Team | Person        | City  |
|------|---------------|-------|
| A    | Isha(Male)    | Delhi |
|      | Uttam(Female) | Agra  |
| B    | Subh(Female)  |       |
|      | Drona(Female) |       |
|      | Ritu(Male)    | Noida |
| C    | Kanya(Female) | Noida |

At this point, we can say that there is at least one person in each team who

belongs to Agra and we also know that Subh does not belong to Delhi.  
Then,

| Team | Person        | City  |
|------|---------------|-------|
| A    | Isha(Male)    | Delhi |
|      | Uttam(Female) | Agra  |
| B    | Subh(Female)  | Agra  |
|      | Drona(Female) | Delhi |
|      | Ritu(Male)    | Noida |
| C    | Kanya(Female) | Noida |
|      | Manav(Male)   | Agra  |

**Answers:**

**86.**

Following the final solution we can say that Manav is a male in team C.

Hence, the correct answer is option B.

**87.**

Following the final solution we can say that Manav, Ritu and Isha is the combination of males among these persons.

Hence, the correct answer is option D.

**88.**

Following the final solution we can say that Manav belongs to Agra.

Hence, the correct answer is option A.



**89.**

Following the final solution we can say that none of the given combinations is correct.

Hence, the correct answer is option E.

**90.**

Following the final solution we can say that two females belong to Agra.

Hence, the correct answer is option B.



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The Question Bank

## Set-19

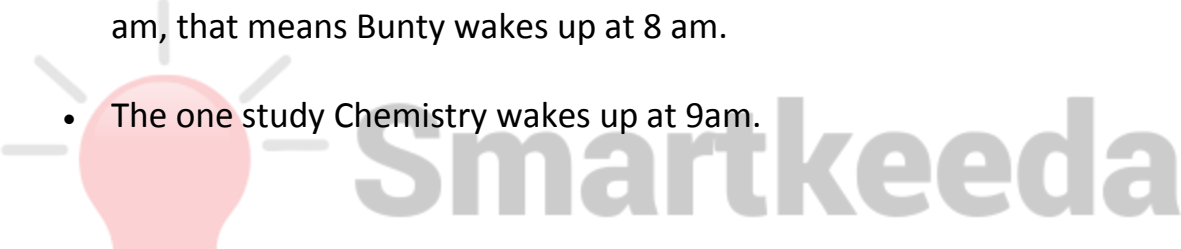
### Common Explanation for Q. no. 91 to 95:

#### Reference:

- The one who wake up earliest studies English.
- The one who studies English wakes up at half of the time of B.
- The one who study chemistry wakes up 2<sup>nd</sup> last.

#### Inference:

- From the above condition the one who studies English wakes up at 4 am, that means Bunty wakes up at 8 am.
- The one study Chemistry wakes up at 9am.



|         |     |     |     | B   |           |      |
|---------|-----|-----|-----|-----|-----------|------|
| 4am     | 5am | 6am | 7am | 8am | 9am       | 10am |
| English |     |     |     |     | Chemistry |      |

#### Reference:

- There is a 3 hour gap between the G and the one who studies Maths who don't wake up last.
- B and G wake up next to each other.

#### Inference:

There are 2 cases -

- G wakes up at 7am
- G wakes up at 9am

**Case1:** G wakes up at 7am

|         |     |     |     |     |           |      |
|---------|-----|-----|-----|-----|-----------|------|
|         |     |     | G   | B   |           |      |
| 4am     | 5am | 6am | 7am | 8am | 9am       | 10am |
| English |     |     |     |     | Chemistry |      |

**Reference:**

There is a 3 hour gap between the G and the one who studies Maths who don't wake up last.

**Inference:**

That means the one who studies maths wakes up at 10 am but according to above condition the one who studies Maths don't wake up last.

Hence this case is invalid.

**Case2:** G wakes up at 9am

|         |     |     |     |     |           |      |
|---------|-----|-----|-----|-----|-----------|------|
|         |     |     |     | B   | G         |      |
| 4am     | 5am | 6am | 7am | 8am | 9am       | 10am |
| English |     |     |     |     | Chemistry |      |

**Reference:**

There is a 3 hour gap between the G and the one who studies Maths who don't wake up last.

Difference of wake up time of B and C is equal to the difference of wake up time of G and F

**Inference:**

That means the one who studies Maths wakes up at 6 am.

From the above condition it can be concluded:-

$$B - C = G - F$$

There are two sub cases for the timing of C and F.

### Case 2.a-

When C = 10am and F = 7am

$$B - C = G - F$$

$$8 - 10 = 9 - 7$$

|         |     |       | F   | B   | G         | C    |
|---------|-----|-------|-----|-----|-----------|------|
| 4am     | 5am | 6am   | 7am | 8am | 9am       | 10am |
| English |     | Maths |     |     | Chemistry |      |

### Reference:

- F studies Economics.
- E don't wake up at a time multiple of 2 and D studies Biology.
- The one who is not A wake up earliest.

### Inference:

From the above condition E wakes up at 5am.

|         | E   |       | F         | B   | G         | C    |
|---------|-----|-------|-----------|-----|-----------|------|
| 4am     | 5am | 6am   | 7am       | 8am | 9am       | 10am |
| English |     | Maths | Economics |     | Chemistry |      |

D studies Biology therefore there is no time left for D. Hence this case is invalid.

### Case 2.b

When C = 4am and F = 5am

$$B - C = G - F$$

$$8 - 4 = 9 - 5$$

| C       | F   |       |     | B   | G         |      |
|---------|-----|-------|-----|-----|-----------|------|
| 4am     | 5am | 6am   | 7am | 8am | 9am       | 10am |
| English |     | Maths |     |     | Chemistry |      |

**Reference:**

F studies Economics.

E don't wake up at a time multiple of 2 and D studies Biology.

The one who is not A wake up earliest.

D studies Biology

**Inference:**

From the above condition E wakes up at 7am.

D studies Biology therefore there is only one time left for D which is 10am

| C       | E   |       | F         | B   | G         | D       |
|---------|-----|-------|-----------|-----|-----------|---------|
| 4am     | 5am | 6am   | 7am       | 8am | 9am       | 10am    |
| English |     | Maths | Economics |     | Chemistry | Biology |

**Reference:**

B does not study Account.

**Inference:**

That means E studies Accounts.

| C       | E        | A     | F         | B   | G         | D       |
|---------|----------|-------|-----------|-----|-----------|---------|
| 4am     | 5am      | 6am   | 7am       | 8am | 9am       | 10am    |
| English | Accounts | Maths | Economics |     | Chemistry | Biology |

This is the final arrangement.

**Answers:**

**91.**

From the final arrangement it is clear that E wakes up at 7am.

Hence the correct answer is option D.

**92.**

From the given solution it is clear that option C is incorrect.

Hence the correct answer is option C.

**93.**

G sits immediately after the one who studies Physics.

Hence the correct answer is option A.

**94.**

From the given solution A wakes up between F and E.

Hence the correct answer is option B.

**95.**

From the given solution F who wakes up at 5am studies Economics.

Hence the correct answer is option B.



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The Question Bank

## Set-20

### Common Explanation for Q. no. 96 to 100:

#### Reference:

Kathir belongs to Kolkata.

Laxman belongs to Bangalore and born in the month having 31 days but not in March.

Farhad belongs to Noida and born in April month.

Ranjan was born in July and he belongs to Chennai.

Jawahar belongs to Goa and Niranjn doesn't belong to Delhi.

#### Inference:

From above statements,

All above information were given directly; by using we get the initial table as follows,

| Person  | City             | Month            | Days |
|---------|------------------|------------------|------|
| Prathap |                  |                  |      |
| Hirthik |                  |                  |      |
| Kathir  | Kolkata          |                  |      |
| Laxman  | Bangalore        | <del>March</del> | 31   |
| Niranjn | <del>Delhi</del> |                  |      |
| Ranjan  | Chennai          | July             | 31   |
| Jawahar | Goa              |                  |      |
| Farhad  | Noida            | April            | 30   |

#### Reference:

Persons belong to Goa and Delhi were born in November.

Prathap and Niranjn were born in same month.

**Inference:**

From above statements,

Given, three persons were born in same month.

Persons belong to Goa and Delhi were born in November.

By using this statement, it is understood that the 3 persons were born in November month.

Note: Total six months given in statement.

Prathap and Niranjana were born in same month.

Therefore, we conclude that both Prathap and Niranjana were born in November month.

As per table, Prathap belongs to Delhi. Note: Given, Niranjana doesn't belong to Delhi.

By using this information, we get the following table,

| Person    | City             | Month            | Days |
|-----------|------------------|------------------|------|
| Prathap   | Delhi            | November         | 30   |
| Hirshik   |                  |                  |      |
| Kathir    | Kolkata          |                  |      |
| Laxman    | Bangalore        | <del>March</del> | 31   |
| Niranjana | <del>Delhi</del> | November         | 30   |
| Ranjan    | Chennai          | July             | 31   |
| Jawahar   | Goa              | November         | 30   |
| Farhad    | Noida            | April            | 30   |

**Reference:**

The one who belongs to Kolkata was born in the month having 30 days after July but before November.



The one who belongs to Hyderabad was born in month having 31 days before April.

The one who belongs to Punjab was born in the month having less than 31 days.

**Inference:**

From above statements,

Among given months January(31 days), March(31 days), April(30 days), July(31 days), September(30 days) and November(30 days).

The one who belongs to Kolkata was born in the month having 30 days after July but before November.

Kathir belongs to Kolkata and he was born in September (30 days, only possibility as per condition)

Given, Laxman was born in 31 days month but not in March. Then Laxman was born in January month (31 days month, only possibility)

Note: Ranjan was born in July month (31 days)

Finally, Hirshik was born in March month (only month is left among given)

The one who belongs to Hyderabad was born in month having 31 days before April.

Hirshik was born in March month (31 days & before April) and he belongs to Hyderabad.

The one who belongs to Punjab was born in the month having less than 31 days.

Finally, Niranjana belongs to Punjab and born in November (30 days)

Thus we get the completed table as shown

| Person | City | Month | Days |
|--------|------|-------|------|
|--------|------|-------|------|

|          |           |           |    |
|----------|-----------|-----------|----|
| Prathap  | Delhi     | November  | 30 |
| Hirthik  | Hyderabad | March     | 31 |
| Kathir   | Kolkata   | September | 30 |
| Laxman   | Bangalore | January   | 31 |
| Niranjan | Punjab    | November  | 30 |
| Ranjan   | Chennai   | July      | 31 |
| Jawahar  | Goa       | November  | 30 |
| Farhad   | Noida     | April     | 30 |

**Explanations:**

**96.**

The following common explanation, we get "Jawahar-November".

Hence, option C is correct.

**97.**

The following common explanation, we get "Hirthik-March-31 days month".

Hence, option C is correct.

**98.**

The following common explanation, we get "Hirthik-March-Hyderabad".

Hence, option C is correct.

**99.**

The following common explanation, we get "None of these".

All statements are false.

Hence, option E is correct.

**100.**

Following the common explanation, we get "Only III".

[Niranjan-Punjab-November]

Hence, option B is correct.



# Smartkeeda

The Question Bank

## Set-21

### Common Explanation for Q. no. 101 to 105:

#### Reference:

Seven persons – Manjal, Kartik, Lasita, Paresh, Rupali, Shreya and Kamal have their IBPS PO interviews on one of the four days – Monday, Tuesday, Wednesday and Thursday, of a same week. At least one person but not more than two persons have their interview on the same day. Each of them has a degree in different stream – B.Sc., B.Tech., B.A., BBA, BCA, B.Com., and B.Stat.

#### Inference:

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

#### Reference:

Manjal has interview on Monday with the one who has B.Tech.

Lasita, who does B.A., has interview alone on Wednesday.

Rupali has interview on Thursday.

#### Inference:

After using the above hints, we have:

| Day       | Person | Degree  |
|-----------|--------|---------|
| Monday    | Manjal |         |
|           |        | B.Tech. |
| Wednesday | Lasita | B.A.    |
| Thursday  | Rupali |         |

#### Reference:

The one who has B.Sc. has interview on Monday.

Paresh has interview on Thursday and he did not has BCA in graduation.

Shreya has not B.Tech. in graduation.

**Inference:**

After using the above hints, we have:

| Day       | Person | Degree  |
|-----------|--------|---------|
| Monday    | Manjal | B.Sc.   |
|           |        | B.Tech. |
| Tuesday   | Shreya |         |
| Wednesday | Lasita | B.A.    |
| Thursday  | Rupali |         |
|           | Paresh |         |

Here, we will make a mental note that Paresh has not BCA in graduation.

**Reference:**

Kamal has neither B.C om. nor B.Tech in graduation.

The one who has BCA has interview with the one who has BBA.

The one who has BCA does not have interview on Tuesday neither with Kartik and Shreya.

**Inference:**

After using the above hints, we have:

| Day       | Person | Degree  |
|-----------|--------|---------|
| Monday    | Manjal | B.Sc.   |
|           |        | B.Tech. |
| Tuesday   | Shreya | B.C om. |
|           | Kamal  |         |
| Wednesday | Lasita | B.A.    |
| Thursday  | Rupali | BCA     |
|           | Paresh | BBA     |

Here, we can say that Kartik has interview on Monday and Kamal has B.Stat and graduation.

| Day       | Person | Degree  |
|-----------|--------|---------|
| Monday    | Manjal | B.Sc.   |
|           | Kartik | B.Tech. |
| Tuesday   | Shreya | B.C om. |
|           | Kamal  | B.Stat. |
| Wednesday | Lasita | B.A.    |
| Thursday  | Rupali | BCA     |
|           | Paresh | BBA     |

**Answers:**

**101.**

Following the final solution we can say that Kartik has interview on Monday.

Hence, the correct answer is option A.

**102.**

Following the final solution we can say that Kamal has graduation degree in B.Stat.

Hence, the correct answer is option D.

**103.**

Following the final solution we can say that Manjal – B.Sc. is the correct combination.

Hence, the correct answer is option B.

**104.**

Following the final solution we can say that Paresh has interview scheduled on the same day as Rupali.

Hence, the correct answer is option D.

**105.**

Following the final solution we can say that Shreya has interview scheduled on the same day as the one who has B.Stat.

Hence, the correct answer is option C.



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The Question Bank

## Set-22

### Common Explanation for Q. no. 106 to 110:

#### Reference:

Twelve persons – Cal, Pam, Aby, Bil, Vin, Dev, Tim, Roy, Jon, Kat, Sam and Dia lives in 4 different houses, such that 3 persons live in each house. Houses are numbered as 2, 5, 9 and 12. Each house is painted with different colour – Red, White, Blue and Brown (not necessarily in same order). Each house is situated on different colony – ABC, GHI, PQR, and XYZ (not necessarily in same order).

#### Inference:

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

#### Reference:

House number 9 is in XYZ colony but it is not red coloured house.

Brown and Blue are the colours of even numbered houses.

Colour of House number 2 is not Brown.

#### Inference:

After using the above information, we have:

| House | Persons |  |  | Colony | Colour |
|-------|---------|--|--|--------|--------|
| 2     |         |  |  |        | Blue   |
| 5     |         |  |  |        | Red    |
| 9     |         |  |  | XYZ    | White  |
| 12    |         |  |  |        | Brown  |

#### Reference:



Dev and Aby are not from same house but Aby is from Blue coloured house.

Aby's house is in PQR colony.

Colour of Dia's house is White.

Colour of Pam's and Kat's house is Red.

**Inference:**

After using the above information, we have:

| House | Persons |     |  | Colony | Colour |
|-------|---------|-----|--|--------|--------|
| 2     | Aby     |     |  | PQR    | Blue   |
| 5     | Pam     | Kat |  |        | Red    |
| 9     | Dia     |     |  | XYZ    | White  |
| 12    |         |     |  |        | Brown  |

Here, we will make a mental note that Dev and Aby are not from same house.

**Reference:**

Cal and Tim are from same house and their house's number is an odd number.

Roy is from an odd numbered house.

**Inference:**

After using the above information, we have:

| House | Persons |     |     | Colony | Colour |
|-------|---------|-----|-----|--------|--------|
| 2     | Aby     |     |     | PQR    | Blue   |
| 5     | Pam     | Kat | Roy |        | Red    |
| 9     | Dia     | Cal | Tim | XYZ    | White  |

|    |  |  |  |  |       |
|----|--|--|--|--|-------|
| 12 |  |  |  |  | Brown |
|----|--|--|--|--|-------|

**Reference:**

Vin and Bil are from different houses but they are from even numbered house.

Bil and Sam share same house in ABC colony.

**Inference:**

After using the above information, we have:

| House | Persons |     |     | Colony | Colour |
|-------|---------|-----|-----|--------|--------|
| 2     | Aby     | Vin |     | PQR    | Blue   |
| 5     | Pam     | Kat | Roy |        | Red    |
| 9     | Dia     | Cal | Tim | XYZ    | White  |
| 12    | Bil     | Sam |     | ABC    | Brown  |

As we know that Aby and Dev are not from the same house. Then,

| House | Persons |     |     | Colony | Colour |
|-------|---------|-----|-----|--------|--------|
| 2     | Aby     | Vin | Jon | PQR    | Blue   |
| 5     | Pam     | Kat | Roy | GHI    | Red    |
| 9     | Dia     | Cal | Tim | XYZ    | White  |
| 12    | Bil     | Sam | Dev | ABC    | Brown  |

**Answers:**

**106.**

Following the final solution we can say that among the given persons only Kat lives in Red coloured house.

Hence, the correct answer is option B.

**107.**

Following the final solution we can say that the house that is located in GHI colony is of Red colour.

Hence, the correct answer is option D.

**108.**

Following the final solution we can say that the house number of Jon 2.

Hence, the correct answer is option A.

**109.**

Following the final solution we can say that all of the given combinations are incorrect.

Hence, the correct answer is option E.

**110.**

Following the final solution we can say that Roy's house is situated in GHI colony.

Hence, the correct answer is option B.

### **Set-23**

**Common Explanation for Q. no. 111 to 115:**

**Reference:**

Each of them went for bike drive on different number of days among 5, 7, 9, 10, 12 and 15 but not necessarily in the same order.

Each of them also covered different kilometers among those days like 60, 96, 112, 210, 225 and 300 but not necessarily in the same order.

The number of days taken by Gautham is equal to the total number of days taken by Saran and Vibin.

Vishal went for drive for more number of days than Gautham.

Kathir went for drive for more number of days than Priyan and has more average than Priyan.

**Inference:**

From above statements,

The number of days taken by Gautham is equal to the total number of days taken by Saran and Vibin.

Among given number of days, there are 2 possibilities for Gautham

Saran = 5 or 7 & Vibin = 7 or 5, and then Gautham =  $5 + 7 = 12$

Saran = 5 or 10 & Vibin = 10 or 5 and then Gautham =  $5 + 10 = 15$

Vishal went for drive for more number of days than Gautham.

Here, Vishal (No. of days) > Gautham (No. of days). It is clearly understood that, Gautham is taken only 12 days for bike drive since maximum number of days among given is 15.

By this, we also get that Visha has taken 15 days for bike drive (only possibility).

Now we know, Vishal = 15 days, Gautham = 12 days, Saran = 5 or 7 days and Vibin = 7 or 5 days

Kathir went for drive for more number of days than Priyan and has more average than Priyan.

Given, Kathir (No. of days) > Priyan (No. of days).

Remaining days left are, 9 and 10. Therefore, Kathir = 10 days & Priyan = 9 days

By using above information, we get the initial table as follows,

| Person  | Days | Kilometer | Average |
|---------|------|-----------|---------|
| Kathir  | 10   |           |         |
| Vishal  | 15   |           |         |
| Saran   | 5/7  |           |         |
| Priyan  | 9    |           |         |
| Vibin   | 7/5  |           |         |
| Gautham | 12   |           |         |

**Reference:**

Each of them also covered different kilometers among those days like 60, 96, 112, 210, 225 and 300 but not necessarily in the same order.

For all the persons, average is whole number and less than 50.

The average of Saran is equal to the number of days taken by Gautham for bike drive.

**Inference:**

From above statements,

The average of Saran is equal to the number of days taken by Gautham for bike drive.

We know Gautham has taken 12 days for bike drive.

Therefore average kilometer covered per day by Saran = 12

Also we know Saran has taken either 5 or 7 days.

$$\text{Average} = \frac{\text{Total Kilometers covered}}{\text{Total No. of Days}}$$

$$\text{If Saran} = 5 \text{ days, } 12 = \frac{\text{Total Kilometers covered}}{5}$$

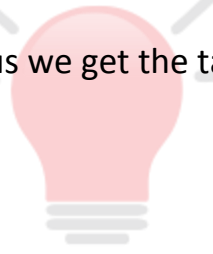
Then, Total Kilometers covered by Saran =  $12 \times 5 = 60 \text{ Km}$

$$\text{If Saran} = 5 \text{ days, } 12 = \frac{\text{Total Kilometers covered}}{7}$$

Then, Total Kilometers covered by Saran =  $12 \times 7 = 84 \text{ Km}$  (Which is not possible as 84 km is not given in statement)

Therefore we get that, Saran covered 60 Km in 5 days and Vibin has taken 7 days.

Thus we get the table as follows,



| Person  | Days | Kilometer | Average |
|---------|------|-----------|---------|
| Kathir  | 10   |           |         |
| Vishal  | 15   |           |         |
| Saran   | 5    | 60        | 12      |
| Priyan  | 9    |           |         |
| Vibin   | 7    |           |         |
| Gautham | 12   |           |         |

### Reference:

Each of them also covered different kilometers among those days like 60, 96, 112, 210, 225 and 300 but not necessarily in the same order.

For all the persons, average is whole number and less than 50.

The average of Vibin is twice the average of Gautham.

Kathir went for drive for more number of days than Priyan and has more average than Priyan.

**Inference:**

From above statements,

For all the persons, average is whole number and less than 50.

We know total number of days taken by all persons. Now we have to check with given kilometers based on above said condition i.e. Average should be whole number & it is less than 50.

Remaining kilometers are 96, 112, 210, 225 and 300 but not necessarily in the same order.

Among given kilometers, 96 get divided by only by 12 exactly (remaining numbers results in decimal)

Thus we conclude that, Gautham has covered 96 kilometers in 12 days at an average of 8 kilometers per day [ $96/12 = 8$ ]

The average of Vibin is twice the average of Gautham.

Given, Vibin (Average) = 2 Gautham (Average)

Now, Vibin (Average) =  $2 \times 8 = 16$  & we know Vibin has taken 7 days for bike drive.

Then, Total Kilometers covered by Vibin =  $16 \times 7 = 112$  Km

Thus, Vibin has covered 112 kilometers in 7 days at an average of 16 kilometers per day [ $112/7 = 16$ ]

Kathir went for drive for more number of days than Priyan and has more average than Priyan.

Given, Kathir (Average) > Priyan (Average)

Remaining kilometers are 210, 225 and 300.

Among given kilometers, 225 get divided by only by 9 exactly (remaining numbers results in decimal).

Thus we conclude that, Priyan has covered 225 kilometers in 9 days at an average of 25 kilometers per day  $[225/9 = 25]$ .

Now we can easily say that, Kathir has covered 300 kilometers in 10 days at an average of 30 kilometers per day  $[300/10 = 30]$  i.e. Kathir (Average = 30) > Priyan (Average = 25).

Finally, Vishal has covered 210 kilometers in 15 days at an average of 14 kilometers per day  $[210/15 = 14]$ .

Thus we get the completed table as shown below,

| Person  | Days | Kilometer | Average |
|---------|------|-----------|---------|
| Kathir  | 10   | 300       | 30      |
| Vishal  | 15   | 210       | 14      |
| Saran   | 5    | 60        | 12      |
| Priyan  | 9    | 225       | 25      |
| Vibin   | 7    | 112       | 16      |
| Gautham | 12   | 96        | 8       |

**Answers:**

**111.**

The following common explanation, we get "Kathir-300 kilometers".

Hence, option C is correct.

**112.**

The following common explanation, we get "Four persons took more number of days than Vibin".

Hence, option B is correct.

**113.**

The following common explanation, we get "25".



Hence, option A is correct.

**114.**

The following common explanation, we get "Both Kathir and Priyan".

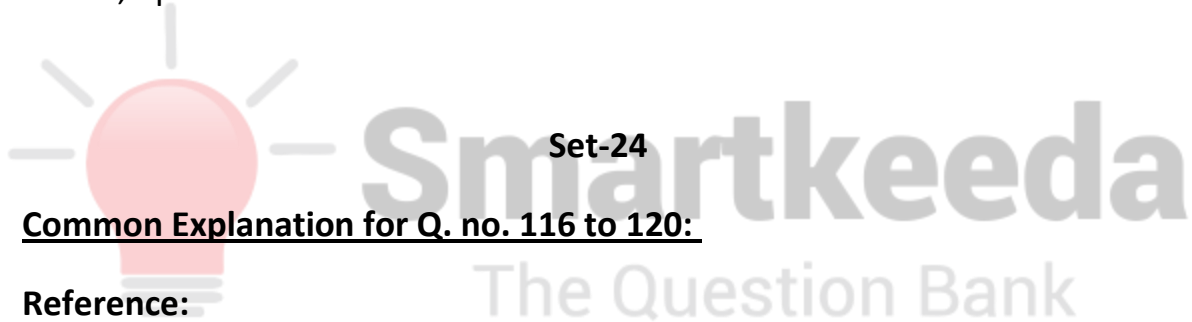
Kathir = 300, Priyan = 225 and Vishal = 214

Hence, option D is correct.

**115.**

The following common explanation, we get "Gautham average is 8, lowest among all".

Hence, option B is correct.



**Common Explanation for Q. no. 116 to 120:**

**Reference:**

Six persons – Ronak, Manat, Suraj, Jyoti, Parth, and Bilal were living in a building of six floors. Each of these persons owns a different car – Jaguar, Audi, Ferrari, BMW, Bentley and Tesla, but not necessarily in the same order. The bottom floor of the building was numbered as 1, the floor above it was numbered as 2 and so on.

**Inference:**

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

**Reference:**

There were 2 floors between Bilal and the one who owns Ferrari.

Bilal lives below the one who owns Ferrari.

The one who owns Tesla lives just above the one who owns Ferrari.

**Inference:**

Here, we have two possible scenarios in which we can use the above hints accordingly.

**Case 1:**

| Floor | Person | Car     |
|-------|--------|---------|
| 6     |        |         |
| 5     |        | Tesla   |
| 4     |        | Ferrari |
| 3     |        |         |
| 2     |        |         |
| 1     | Bilal  |         |

**Case 2:**

| Floor | Person | Car     |
|-------|--------|---------|
| 6     |        | Tesla   |
| 5     |        | Ferrari |
| 4     |        |         |
| 3     |        |         |
| 2     | Bilal  |         |
| 1     |        |         |

**Reference:**

There were 2 floors between Manat and the one who owns BMW.

Manat lives above the one who owns BMW.

Manat and Ronak were living on consecutive floors.

Ronak owns Audi and there were 2 floors between Ronak and Parth.

**Inference:**

Here, we have several possible scenarios in which the above hints can be used in case 1 and case 2.

**Case 1-A:**

| Floor | Person | Car     |
|-------|--------|---------|
| 6     | Parth  |         |
| 5     |        | Tesla   |
| 4     | Manat  | Ferrari |
| 3     | Ronak  | Audi    |
| 2     |        |         |
| 1     | Bilal  | BMW     |

**Case 1-B:**

| Floor | Person | Car     |
|-------|--------|---------|
| 6     | Ronak  | Audi    |
| 5     | Manat  | Tesla   |
| 4     |        | Ferrari |
| 3     | Parth  |         |
| 2     |        | BMW     |
| 1     | Bilal  |         |

**Case 2-A:**

| Floor | Person | Car     |
|-------|--------|---------|
| 6     | Parth  | Tesla   |
| 5     |        | Ferrari |
| 4     | Manat  |         |
| 3     | Ronak  | Audi    |
| 2     | Bilal  |         |
| 1     |        | BMW     |

**Case 2-B:**

| Floor | Person | Car     |
|-------|--------|---------|
| 6     |        | Tesla   |
| 5     | Manat  | Ferrari |
| 4     | Ronak  | Audi    |
| 3     |        |         |

|   |       |     |
|---|-------|-----|
| 2 | Bilal | BMW |
| 1 | Parth |     |

### Reference:

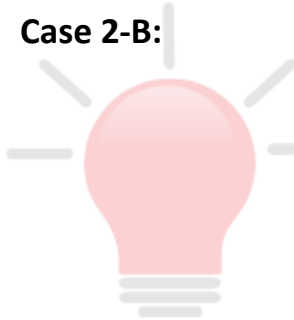
There was 1 floor between Jyoti and the one who owns Jaguar.

Jyoti lives above the one who owns Jaguar.

### Inference:

At this point we cannot fix the position of Jyoti and the one who owns Jaguar in Case 1-A, Case 1-B and Case 2-A according to the above hints. So we can say that **Case 1-A, Case 1-B and Case 2-A are invalid cases.**

### Case 2-B:



| Floor | Person | Car     |
|-------|--------|---------|
| 6     |        | Tesla   |
| 5     | Manat  | Ferrari |
| 4     | Ronak  | Audi    |
| 3     | Jyoti  |         |
| 2     | Bilal  | BMW     |
| 1     | Parth  | Jaguar  |

Here, we can easily fix the position of the one who owns Bentley and Suraj in case 2-B as:

### Case 2-B:

| Floor | Person | Car     |
|-------|--------|---------|
| 6     | Suraj  | Tesla   |
| 5     | Manat  | Ferrari |
| 4     | Ronak  | Audi    |
| 3     | Jyoti  | Bentley |
| 2     | Bilal  | BMW     |
| 1     | Parth  | Jaguar  |

**Answers:**

**116.**

Following the final solution we can say that Suraj owns Tesla.

Hence, the correct answer is option A.

**117.**

Following the final solution we can say that only two persons live below the one who owns Bentley.

Hence, the correct answer is option C.

**118.**

Following the final solution we can say that Ronak lives below Manat.

Hence, the correct answer is option A.

**119.**

Following the final solution we can say that none of the given combinations is correct.

Hence, the correct answer is option E.

**120.**

Following the final solution we can say that Jaguar is owned by Parth.

Hence, the correct answer is option D.

**Set-25**

**Common Explanation for Q. no. 121 to 125:**

**Reference:**

Only one person has birthday before Rahim.

Only three persons have birthday between Rahim and Tushar.

Ximon has birthday on 17th of a month of 31 days.

Number of persons having birthday between Rahim and Uday is one more than the number of persons having birthday between Rahim and Ximon.

Yadav and Zaheer have their birthdays in the same month having 30 days but not in the month of June. Yadav don't have birthday before Zaheer.

Wafiq's birthday is after Pratheep's birthday.

**Inference:**

From above statements,

Only one person has birthday before Rahim. Only three persons have birthday between Rahim and Tushar.

Here, Rahim has birthday on 28th of May month. Tushar has birthday on 28th of July month i.e. 3 persons have birthday between Rahim and Tushar's birthday.

Ximon has birthday on 17th of a month of 31 days.

Ximon has birthday on 17th of either May or July [May & July has 31 days].

Thus we get two possibilities.

Number of persons having birthday between Rahim and Uday is one more than the number of persons having birthday between Rahim and Ximon.

**Case 1:** Number of persons having birthday between Rahim and Ximon is zero (no has birthday in between) and then number of persons having birthday between Rahim and Uday is 1 i.e. Uday has birthday on 28th of June.

**Case 2:** Number of persons having birthday between Rahim and Ximon is 2 (two people has birthday in between) and then number of persons having birthday between Rahim and Uday is 3 i.e. Uday has birthday on 28th of July which is not possible [Tushar's birthday is on 28th July]. Hence this case can be eliminated.

Yadav and Zaheer have their birthdays in the same month having 30 days but not in the month of June. Yadav don't have birthday before Zaheer.

Zaheer and Yadav have their birthdays on 17th and 28th of September respectively [30 days month other than June]

Wafiq's birthday is after Pratheep's birthday.

Finally, Pratheep's birthday is on 17th of June and Wafiq's birthday is on 17th of July. Thus we get the completed table.

**Case: 1**

| Days | Month | Date | Person   |
|------|-------|------|----------|
| 31   | May   | 17   | Ximon    |
|      |       | 28   | Rahim    |
| 30   | June  | 17   | Pratheep |
|      |       | 28   | Uday     |
| 31   | July  | 17   | Wafiq    |
|      |       | 28   | Tushar   |
| 30   | Sep   | 17   | Zaheer   |
|      |       | 28   | Yadav    |

**Case: 2 [Eliminated]**  
No place for Uday

| Days | Month | Date | Person |
|------|-------|------|--------|
| 31   | May   | 17   |        |
|      |       | 28   | Rahim  |
| 30   | June  | 17   |        |
|      |       | 28   |        |
| 31   | July  | 17   | Ximon  |

|    |     |    |        |
|----|-----|----|--------|
|    |     | 28 | Tushar |
| 30 | Sep | 17 |        |
|    |     | 28 |        |

**Answers:**

**121.**

The following common explanation, we get "Yadav-28th September".

Hence, option D is correct.

**122.**

The following common explanation, we get "Both Wafiq and Tushar".

Wafiq-17th July & Tushar-28th July

Hence, option C is correct.

**123.**

The following common explanation, we get "Three".

Hence, option C is correct.

**124.**

From the following explanation we get "Uday – 28th June".

Hence option B is correct.

**125.**

From the following explanation, we get "Ximon and Yadav have their birthdays in the beginning and end respectively" is the true statement.

Hence option C is correct.





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The Question Bank

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