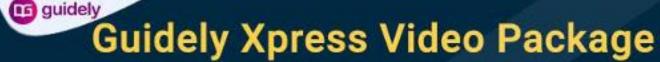


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Linear Seating Arrangement with Two Variable for SBI PO Prelims



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Linear Seating Arrangement with Two Variable

Direction (1-5): Study the following information carefully and answer the below questions:

There are ten persons i.e. Tezu, Kamal, Siya, Vikas, Ajay, Rahul, Riya, Mili, Priya and Jai are sitting in a linear row facing in the north direction. All of them likes different colours i.e. Red, Yellow, Blue, Green, White, Black, Grey, Orange, Pink and Purple but not necessarily in the same order.

Mili sits third from one of the ends of the row and likes White. Tezu is an immediate neighbour of Mili. Rahul who likes Black sits three places away from Tezu but not at the end of the row. Siya sits between the person who likes Black and Tezu. Priya who likes Pink sits third to the left of Siya but not at the end of the row. Ajay who likes Yellow sits second to the left of Kamal who is not an immediate neighbour of Rahul. The one who likes Orange is the only neighbour of Vikas. Jai who likes Blue sits third to the right of the person who likes Red. Siya likes neither Grey nor Purple. Kamal does not like Purple.

- 1) Who among the following sits third to the left of Mili?
- A) Person who likes Orange
- B) Person who sits to the immediate right of the person who likes Pink
- C) Person who sits second to the left of Jai

- D) Person who likes Black.
- E) None of These
- 2) Who among the following sits fourth from the left end of the row?
- A) Person who likes Blue
- B) Person who sits second to the left of Siya
- C) Person who sits to the immediate right of the person who likes Grey
- D) Both A and C
- E) Person who sits exactly between Kamal and Rahul
- 3) Which of the following combination are not true?
- A) Tezu-Orange
- B) Ajay-Yellow
- C) Rahul-Black
- D) Vikas-Pink
- E) Riya-Red
- 4) Which of the following statements is/are true?
- A) Ajay who likes Yellow sits second from the left end of the row.
- B) Siya likes Green
- C) Person who sits to the immediate left of Tezu, likes White
- D) Both A and B
- E) Both B and C

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- 5) Four of the five are alike in a certain way and hence forms a group. Who among the following does not belong to that group?
- A) Riya
- B) Person who likes Black
- C) Person who likes Purple
- D) Jai
- E) Person who likes Pink

Direction (6-10): Study the following information carefully and answer the below questions:

There are eleven persons i.e. Amit, Sumit, Aarav, Janvi, Shubhi, Rohini, Chetan, Shubh, Suchi, Mihir and Meghna are sitting in a linear row facing in the north direction. All of them likes different colours i.e. Red, Yellow, Blue, Green, White, Black, Grey, Peach, Indigo, Golden and Purple but not necessarily in the same order.

Person who likes Golden sits at one of the ends of the row. Only one person sits between the person who likes Golden and Janvi who likes Red. Suchi sits three places away from Janvi. Person who likes Yellow sits to the immediate right of Suchi who likes either Black or Grey. Person who sits at the middle of the row likes Black and sits third to the left of the person who likes Grey. Aarav is an immediate neighbour of the person who likes Grey. Shubhi who likes Peach sits at the right end of the row and the one who likes blue is the only neighbor of Shubhi. Rohini who likes neither

Grey nor Yellow sits second to the left of Mihir who likes Purple. Person who likes Indigo is the only neighbour of Sumit. Chetan sits exactly between Aarav and Suchi. Both Amit who likes Yellow and Shubh are an immediate neighbours of Chetan who doesn't like Green.

- 6) Who among the following sits second to the left of Chetan?
- A) Person who likes Blue
- B) Person who is an immediate neighbour of the person who likes Purple
- C) Person who sits to the immediate right of the person who likes Green
- D) Both A and B
- E) None of These
- 7) Which of the following pairs are sitting at the end of the row?
- A) Person who likes Blue and Sumit
- B) Shubhi and the person who doesn't like Golden
- C) Person who likes Peach and Sumit
- D) Shubhi and Aarav
- E) Aarav and the person who likes Golden
- 8) Who among the following sits third to the right of Janvi?
- A) Person who likes Black
- B) Person who sits to the immediate left of Chetan
- C) Person who sits to the immediate right of the person who likes Yellow
- D) Both A and B

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E) Both A and C

9) Which of the following statements is/are not true regarding Rohini?

- A) Rohini sits second from the left end of the row
- B) Rohini is an immediate neighbour of the person who likes Purple
- C) Rohini likes Indigo
- D) None is True
- E) Both A and B
- 10) Which of the following combination is true?
- A) Mihir-Black
- B) Shubh-Green
- C) Megha-Peach
- D) Sumit-Golden
- E) Both C and D

Direction (11-15): Study the following information carefully and answer the below questions:

There are nine persons i.e. Chahat, Ruchi, Disha, Neha, Mamta, Samli, Tanu, Isha and Kusum are sitting in a linear row facing in the north direction. All of them likes different colours i.e. Red, Yellow, Blue, Green, White, Black, Pink, Peach and Magenta but not necessarily in the same order.

Less than three person sits to the right of Mamta who likes Magenta. Person who likes Pink sits second to the left of the person who likes Magenta. Ruchi who likes Red sits at the left end of the row. Samli sits to the immediate right of Ruchi. Isha who likes Yellow

sits exactly between Ruchi and the person who likes Pink. Number of persons sit to the left of Samli is equal to the number of persons sit to the right of Tanu who likes Blue. Kusum sits three places away from Tanu. Person who likes Black is an immediate neighbour of the person who likes Yellow. Kusum likes neither Black nor Green. Disha who likes White sits towards the right of the person who likes Peach. Chahat sits to the immediate right of Kusum and he doesn't like Peach. Neither Kusum nor Samli likes Peach.

11) Who among the following sit at the extreme end of the row?

- A) Person who sits to the immediate right of the person who likes Magenta
- B) Both the person who likes Red and the person who likes White
- C) Person who sits to the immediate left of Isha
- D) Both A and B
- E) None of These
- 12) Who among the following sits second to the right of Neha?
- A) Person who sits second to the left of Tanu
- B) Person who likes Green
- C) Person who sits third to the right of the person who likes Black
- D) Both A and B
- E) Both A and C

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13) Which of the following combination is not true?

- A) Ruchi-Yellow
- B) Chahat-Green
- C) Kusum-Pink
- D) Both A and B
- E) Both A and C

14) Which of the following statements is/are not true?

- A) Person who likes White sits at the end of the row.
- B) Mamta and Tanu are an immediate neighbours.
- C) Person who likes Peach sits to the immediate right of Isha
- D) Mamta doesn't like Black
- E) All are True

15) How many persons sit between Samli and the person who likes Blue?

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

Direction (16-20): Study the following information carefully and answer the below questions:

There are eleven persons i.e. Ankit, Prabhat, Asif, Tanuj, Manu, Uttam, Pranay, Savita, Vasu, Rajiv and Yash are sitting in a linear row facing in the south direction. All of them likes different colours i.e. Red, Yellow, Blue, Green, White, Black, Pink, Peach,

Purple, Grey and Brown but not necessarily in the same order.

Manu who likes Green sits at the right end of the row. Savita sits three places away from Manu. Vasu who likes White is an immediate neighbour of Savita. Three persons sit between Vasu and Pranay. Person who likes Blue sits to the immediate right of Pranay. Number of persons sit to the right of the person who likes Black is equal to the number of persons sit to the left of Tanuj who sits second from the left end of the row and likes Brown. Person who likes Purple sits two places away from the person who likes Black. Person who likes Grey sits towards the right of the person who likes Blue but not immediate. Rajiv sits exactly between Vasu and Manu. Asif who likes Peach is neither an immediate neighbour of the person who likes Blue nor the person who likes White. Pranay likes neither Red nor Yellow. Both Uttam and Ankit who likes Blue are an immediate neighbours of Yash. Prabhat sits to the immediate right of the person who likes Yellow.

16) Who among the following sits second to the right of Vasu?

- A) Person who likes Black
- B) Person who likes Red
- C) Person who likes Yellow
- D) Person who likes Blue
- E) None of These
- 17) Which of the following statements is/are true?

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- A) Person who likes Green sits at the end of the row
- B) Ankit doesn't like Blue
- C) Number of persons sits to the right of Prabhat is equal to the number of person sits to the left of the person who likes Pink
- D) Both A and B
- E) Both B and C
- 18) Which of the following combination is not true?
- A) Rajiv-Yellow
- B) Yash-Grey
- C) Tanuj-Brown
- D) Savita-Purple
- E) Both B and D
- 19) What is the position of Uttam with respect to the person who likes Yellow?
- A) Immediate right
- B) Immediate left
- C) Second to the right
- D) Second to the left
- E) Third to the left
- 20) Who among the following sits at the left end of the row?
- A) Person who likes Brown
- B) Person who sit second to the right of the person who likes Pink
- C) Tanuj
- D) Person who sits third to the left of the person who likes Blue
- E) None of These

Direction (21-25): Study the following information carefully and answer the below questions:

There are ten persons i.e. Tahira, Harman, Saurav, Faiza, Sanu, Zainul, Anmol, Prem, Muskan and Jaya are sitting in a linear row facing in the south direction. All of them likes different colours i.e. Red, Yellow, Blue, Green, White, Black, Pink, Golden, Grey and Orange but not necessarily in the same order.

Harman who likes Golden and Faiza who likes Green are sitting at the end of the row. Two persons sit between Jaya and the person who likes Green. Anmol who likes Red sits to the immediate right of Jaya. Person who likes Orange sits three places away from the person who likes Red. Prem who likes Black sits to the immediate right of the person who likes Orange. Muskan sits third to the right of Tahira who likes Blue. Zainul and Tahira are an immediate neighbours of each other. Person who likes Grey sits second to the right of Zainul. Sanu who likes either Orange or Grey sits exactly between the person who likes Golden and the person who likes White. Number of persons sits between the person who likes Yellow and the person who likes Orange is equal to the number of persons sits between the person who likes Blue and the person who likes Pink.

- 21) Which among the following pairs are not an immediate neighbours of each other?
- A) Saurav and the person who likes White

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- B) Person who likes Red and Tahira
- C) Sanu and Prem
- D) Zainul and the person who likes Green
- E) Person who likes White and Anmol
- 22) Who among the following sit second to the left of Muskan?
- A) Person who likes Orange
- B) Sanu
- C) Person who likes Grey
- D) Person who sits to the immediate left of Tahira
- E) Anmol
- 23) Who among the following doesn't sit at the corner of the table?
- A) Person who likes Green
- B) Person who sits to the immediate right of the person who likes Black
- C) Person who sits to the immediate left of Zainul
- D) Person who likes Golden
- E) Person who sits second to the left of Jaya
- 24) Which of the following statements is/are not true regarding Prem?
- A) Prem doesn't like Black
- B) Prem sits third from the left end of the row
- C) Sanu and Harman are an immediate neighbours of Prem
- D) Both A and B
- E) Both A and C
- 25) What is the position of Anmol with respect to Tahira?

- A) Second to the left
- B) Third to the right
- C) Second to the right
- D) Third to the left
- E) Both A and C

Direction (26-30): Study the following information carefully and answer the below questions:

There are nine persons i.e. Puja, Mehek, Sarika, Anchal, Saloni, Kuhu, Tisha, Kanika and Manjri are sitting in a linear row facing in the south direction. All of them likes different colours i.e. Red, Yellow, Green, White, Black, Purple, Peach, Indigo and Magenta but not necessarily in the same order.

Mehek sits second from the right end and Manjri who likes Green sits third from the left end of the row. Kanika sits between Mehek and Manjri but she is not an immediate neighbour of Manjri. Puja who likes Magenta sits to the immediate left of Kanika. Saloni sits exactly between Kanika and Sarika who likes Black. Tisha who likes neither Peach nor Red, sits two places away from Manjri to the left. Anchal who likes Yellow sits second to the right of Kuhu who likes Indigo. Number of persons sit to left of the person who likes Red is equal to the number of persons sit to right of the person who likes Peach. Neither Saloni nor Mehek likes Peach. More than two persons sit between the person who likes White and the person who likes Red.

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26) Which of the following combination is true?

- A) Puja-Peach
- B) Sarika-Purple
- C) Saloni-Red
- D) Anchal-White
- E) Kuhu-Magenta

27) Who among the following sits third to the left of Kanika?

- A) Person who likes Green
- B) Person who sits to the immediate left of Saloni
- C) Person who likes Black
- D) Both A and B
- E) Both A and C

28) Who among the following sits at the the end of the row?

- A) Person who doesn't like Purple
- B) Person who likes Yellow
- C) Person who sits to the immediate left of Mehek
- D) Both A and B
- E) Both A and C

29) Which of the following statements is/are true?

- A) Kuhu and Puja are an immediate neighbours of each other
- B) Mehek likes Indigo
- C) Tisha likes Green
- D) Both A and B
- E) None is True
- 30) Who among the following sits fourth to the right of Manjri?

- A) Person who likes Indigo
- B) Kanika
- C) Mehek
- D) Person who likes White
- E) Person who likes Peach

Direction (31-35): Study the following information carefully and answer the below questions:

There are ten persons i.e. Veera, Jai, Juhi, Ruchi, Rehan, Ayushi, Zeba, Armaan, Nehal and Preet are sitting in a linear row. Some of them are facing the north direction and some are facing the south direction. All of them likes different colours i.e. Red, Yellow, Green, Blue, White, Black, Purple, Orange, Grey and Pink but not necessarily in the same order.

Armaan who likes Red sits third from the left end of the row. Zeba sits to the immediate left of Armaan and both are facing the opposite direction to each other. Two persons sit between Zeba and the person who likes Orange. Ruchi who likes Blue sits at the right end of the row and faces north. Veera sits second to the left of Ruchi and faces the opposite direction to that of Ruchi. Number of persons sit to the right of Nehal who likes Grey and is an immediate neighbour of Ruchi is equal to the number of persons sit to the left of the person who likes Purple. Zeba likes neither Purple nor Yellow. Ayushi who likes Pink is an immediate neighbour of both Zeba and the person who likes Green and faces south. More than two persons sit

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between the person who likes Orange and the person who likes White who faces north. Veera likes neither Black nor White. Rehan sits fourth to the right of Preet who likes Green and both are facing the opposite direction to each other. Jai neither likes White nor sits at the end of the row. Ayushi faces the opposite direction as compared to Nehal who faces the same direction as Jai faces.

- 31) In which among the following pairs the second person sits to the immediate left of the first person?
- A) Veera and the person who likes Orange
- B) Person who likes Pink and Zeba
- C) Person who sits second to the left of Jai and Preet
- D) Person who likes Yellow and Jai
- E) None of These
- 32) Four of the following are alike in a certain way and hence forms a group. Which of the following does not belong to that group?
- A) Person who likes Blue
- B) Person who likes Black
- C) Person who likes Yellow
- D) Person who likes Purple
- E) Person who likes Grey
- 33) Which of the following statements is/are not true?
- A) Ruchi sits at the right end of the row
- B) Rehan doesn't likes Purple
- C) Preet sits second to the right of both Zeba and Veera

- D) Both A and B
- E) Both B and C
- 34) Which of the following combination is incorrect?
- A) Ayushi-Pink
- B) Armaan-Red
- C) Nehal-Grey
- D) Zeba-White
- E) Rehan-Purple
- 35) Who among the following sits second to the left of Nehal?
- A) Preet
- B) Ruchi
- C) Jai
- D) Ayushi
- E) None of These

Direction (36-40): Study the following information carefully and answer the below questions:

There are ten persons i.e. Veera, Jai, Juhi, Ruchi, Rehan, Ayushi, Zeba, Armaan, Nehal and Preet are sitting in a linear row. Some of them are facing the north direction and some are facing the south direction. All of them likes different colours i.e. Red, Yellow, Green, Blue, White, Black, Peach, Golden, Magenta and Pink but not necessarily in the same order.

Less than three person sits to the right of Rita who likes Black and faces north. Immediate neighbour of Rita are facing opposite direction to each other. Hemu

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who likes Magenta sits at the left end of the row .Swati sits second to the right of Hemu and faces opposite direction to that of Hemu. Two persons sit between Swati and Krishna who likes Green and faces north. Persons sit at the end of the row are facing the opposite directions. Immediate neighbours of Krishna faces the same direction to each other. Krish who likes Peach sits second to the left of Navya who is not an immediate neighbour of Krishna. Krish is neither an immediate neighbour of Rita nor Hemu. Ekta who likes Yellow sits to the immediate right of the person who likes Blue who doesn't sit at the end of the row. Blue faces North. Honey does not like blue annd faces south. Honey sits second to right of Anu who likes Pink. Neither Navya nor Honey likes Red. Honey doesn't like Golden colour. Immediate neighbours of Honey face the same direction. Anu is not an immediate neighbour of krish, who faces north.

36) Who among the following sits third to the right of Krishna?

- A) Person who sits exactly between Rita and Anu
- B) Person who sits to the immediate right of the person who likes Black
- C) Person who sits at the end of the row.
- D) Both A and B
- E) Both B and C
- 37) Four of the following are alike in a certain way and hence forms a group. Which of the following does not belong to that group?

- A) Krish
- B) Person who likes Blue
- C) Hemu
- D) Person who likes White
- E) Rita

38) Which of the following statements is/are true?

- A) Hemu likes Magenta and sits at the left end of the row
- B) Two persons sit between Honey and the person who likes Golden
- C) Anu doesn't like Pink
- D) Both A and B
- E) All are True

39) What is the position of Harsh with respect to Swati?

- A) Third to the left
- B) Sixth to the left
- C) Third to the right
- D) Sixth to the right
- E) None of These

40) Which of the following combination is not true?

- A) Harsh-Blue
- B) Navya-Golden
- C) Krish-Pink
- D) Krishna-Green
- E) Both B and D

Direction (41-45): Study the following information carefully and answer the below questions:

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There are ten persons i.e. Kelvin, Oliver, Noor, Ritz, Robin, Myra, Tiara, John, Michel and Alisha are sitting in a linear row. Some of them are facing the north direction and some are facing the south direction. All of them likes different colours i.e. Red, Yellow, Green, Blue, White, Black, Purple, Orange, Grey and Pink but not necessarily in the same order.

Noor who likes Green sits at one of the ends of the row. Myra who likes Orange sits third to the left of Noor and both are facing the same direction. Three persons sit between Myra and Michel. Robin who likes White sits second to the right of Michel who faces north. Ritz sits to the immediate left of Robin and faces south. Tiara who likes Red sits exactly between Ritz and Alisha who likes Purple and who is not an immediate neighbour of Myra. Both Alisha and Tiara are facing the same direction. Kelvin who likes Black sits to the immediate right of Alisha and faces opposite direction as compared to Alisha. Persons sit at the end of the row are facing the opposite direction to each other. John who likes Pink sits third to the left of Alisha. Neither Ritz nor Oliver likes Grev. Person who liked Blue is not an immediate neighbour of the person who likes Grey. Both John and Oliver face opposite direction. John faces same direction as Tiara.

- 41) Who among the following sits second to the left of the person who likes Orange?
- A) Person who sits to the immediate right of Alisha B) Tiara

- C) Person who sits to the immediate left of Ritz
- D) John
- E) None of These
- 42) Which of the following combination incorrect?
- A) Kelvin-Black
- B) John-Pink
- C) Ritz-White
- D) Myra-Orange
- E) Michel--Grey
- 43) Four of the following are alike in a certain way and hence forms a group. Which of the following does not belong to that group?
- A) Tiara
- B) Person who likes Blue
- C) Person who likes Purple
- D) Michel
- E) Alisha
- 44) Who among the following sits at the end of the row?
- A) Person who likes Pink
- B) Person who likes Yellow
- C) Person who likes Blue
- D) Person who likes White
- E) Person who likes Grey
- 45) Which of the following statements is/are not true?
- A) Person who likes Green sits second from the left end of the row

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- B) Tiara likes Red
- C) Michel sits exactly between Ritz and the person who likes Black
- D) All are True
- E) Both A and C

Direction (46-50): Study the following information carefully and answer the below questions:

There are ten persons i.e. Vijay, Nora, Amna, Guddu, Mihir, Sakshi, Meher, Ajay, Mili and Alia are sitting in a linear row facing in the north direction. All of them likes different colours i.e. Red, Yellow, Blue, Green, White, Black, Pink, Peach, Golden and Purple but not necessarily in the same order.

Meher sits second from the right end of the row and likes Red. Mihir is an immediate neighbour of Meher. Alia who likes White sits second to the left of Mihir. Ajay sits third from the left end of the row. Person who likes Yellow sits to the immediate right of Ajay. Only one person sits between Alia and the person who likes Peach. Person who likes Green sits to the immediate left of the person who likes White. Mili who likes Pink sits exactly between Meher and Nora who likes Green. Guddu sits to the immediate left of Sakshi who likes Golden. Neither Vijay nor Guddu likes Black. Amna likes Blue colour.

- 46) Who among the following sits third to the left of Mili?
- A) Person who likes Black

- B) Person who sits to the immediate right of the person who likes Pink
- C) Person who sits second to the left of Alia
- D) Person who likes Green
- E) None of These
- 47) Who among the following sits second to the right of the one who sits third from the left end of the row?
- A) Person who likes White
- B) Person who sits second to the left of Mihir
- C) Person who sits to the immediate right of the person who likes Black
- D) Both A and C
- E) Person who sits exactly between Mili and the person who likes Black.
- 48) Which of the following combination are not true?
- A) Meher-Red
- B) Guddu-Yellow
- C) Mili-Pink
- D) Ajay-Black
- E) Mihir-Peach
- 49) Which of the following statements is/are not true?
- A) Ajay who likes Black sits at the left end of the row.
- B) Amna doesn't likes Blue
- C) Person who sits to the immediate right of Mihir likes Red
- D) Both A and B

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- E) Both B and C
- 50) Which of the following pair sits at the extreme end of the row?
- A) Amna and the person who likes Purple
- B) Guddu and the person who likes Peach

- C) Person who likes Purple and the person who likes Red
- D) Both A and C
- E) Both A and B

Linear Seating Arrangement - Answer and Explanation

Answers (1-5):

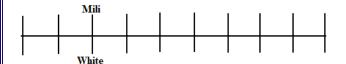
- 1) B
- 2) C
- 3) D
- 4) E
- 5) D

Solutions (1-5):

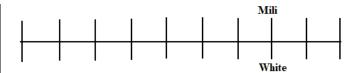
STEP I: Mili sits third from one of the ends of the row and likes White.

As per this statement, there are two possible cases and the arrangement will look like this:

CASE I:



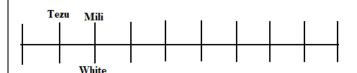
CASE II:



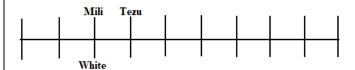
STEP II: Tezu is an immediate neighbour of Mili.

As per this statement, CASE I and CASE II will further get split into one more case of each and the arrangement will look like this:

CASE I:



CASE I (A):



CASE II:

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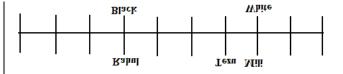
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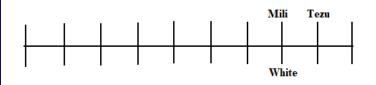




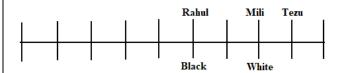




CASE II (A):



CASE II (A):



STEP III: Rahul who likes Black sits three places away from Tezu but not at the end of the row.

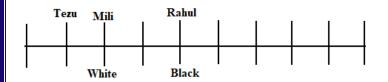
As per this statement, the arrangement will look like this:

and Tezu. Priya who likes Pink sits third to the left of Siya but not at the end of the row.

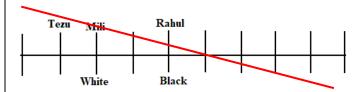
STEP IV: Siya sits between the person who likes Black

As per this statement, CASE I will get eliminated and **CASE II** will further get spilt into one more case and the arrangement will look like this:

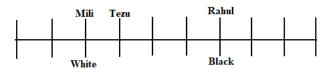
CASE I:



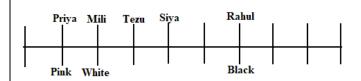
CASE I:



CASE I (A):



CASE I (A):



CASE II:

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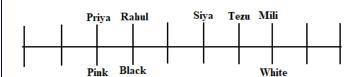
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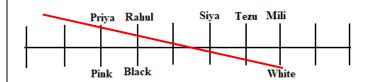




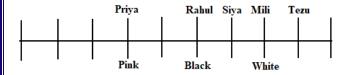
CASE II:



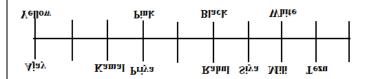
CASE II:



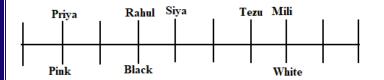
CASE II (A):



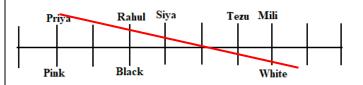
CASE II (A):



CASE II (B):



CASE II (B):

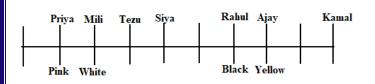


STEP V: Ajay who likes Yellow sits second to the left of Kamal who is not an immediate neighbour of Rahul.

STEP VI: The who likes Orange is the only neighbour of Vikas.

As per this statement, **CASE II** and **CASE II** (**B**) will get eliminated and we will continue with **CASE I** (**A**) and **CASE II** (**A**) and the arrangement will look like this: **CASE I** (**A**):

As per this statement, **CASE I** (**A**) will get eliminated and we will continue with **CASE II** (**A**) and the arrangement will look like this:



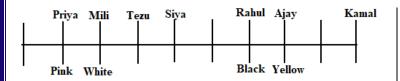
CASE I (A):

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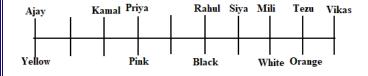
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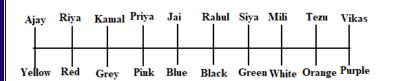
CASE II (A):



STEP VII: Jai who likes Blue sits third to the right of the person who likes Red. Siya likes neither Grey nor Purple. Kamal does not like Purple.

As per this statement, the final arrangement will look like this:

CASE II (A):



Answers (6-10):

- 6) C
- 7) C
- 8) A
- 9) B

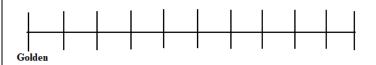
10) D

Solutions (6-10):

STEP I: Person who likes Golden sits at one of the ends of the row.

As per this statement, there are two possible cases and the arrangement will look like this:

CASE I:



CASE II:



STEP II: Only one person sits between the person who likes Golden and Janvi who likes Red.

As per this statement, the arrangement will look like this:

CASE I:

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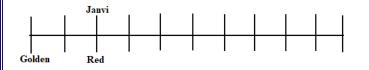




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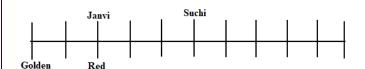
CASE II:



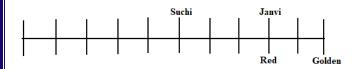
STEP III: Suchi sits three places away from Janvi.

As per this statement, the arrangement will look like this:

CASE I:



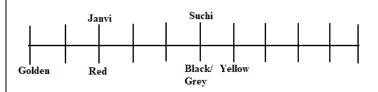
CASE II:



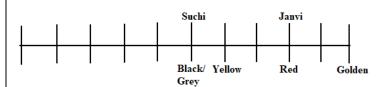
STEP IV: Person who likes Yellow sits to the immediate right of Suchi who likes either Black or Grey.

As per this statement, the arrangement will look like this:

CASE I:



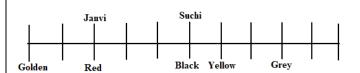
CASE II:



STEP V: Person who sits at the middle of the row likes Black and sits third to the left of the person who likes Grey.

As per this statement, CASE II will get eliminated and we will continue with CASE I and the arrangement will look like this:

CASE I:



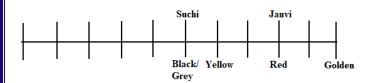
CASE II:

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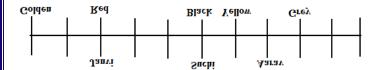




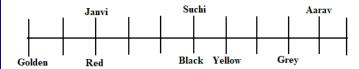
STEP VI: Aarav is an immediate neighbour of the person who likes Grey.

As per this statement, CASE I will further get split into one more case and the arrangement will look like this:

CASE I:



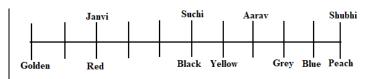
CASE I (A):



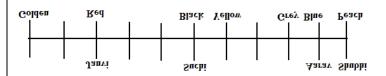
STEP VII: Shubhi who likes Peach sits at right end of the row and is the one who likes blue is the only neighbor of Shubhi.

As per this statement, the arrangement will look like this:

CASE I:



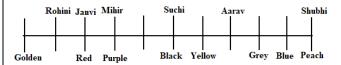
CASE I (A):



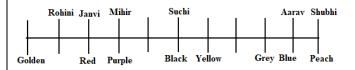
STEP VIII: Rohini who likes neither Grey nor Yellow sits second to the left of Mihir who likes Purple.

As per this statement, the arrangement will look like this:

CASE I:



CASE I (A):



STEP IX: Person who likes Indigo is the only neighbour of Sumit. Chetan sits exactly between Aarav and Suchi.

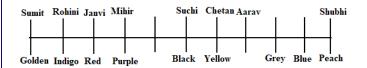
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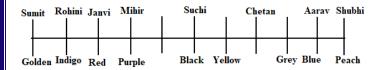


As per these statements, the arrangement will look like this:

CASE I:



CASE I (A):



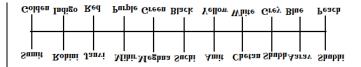
STEP X: Both Amit who likes Yellow and Shubh are an immediate neighbour of Chetan who doesn't like Green.

As per this statement, **CASE I** will get eliminated and we will continue with **CASE I** (A) and the final arrangement will look like this:

CASE I:



CASE I (A):



Answers (11-15):

- 11) B
- 12) D
- 13) A
- 14) E
- 15) C

Solutions (11-15):

STEP I: Less than three person sits to the right of Mamta who likes Magenta.

As per this statement, there are three possible cases and the arrangement will look like this:

CASE I:



CASE II:

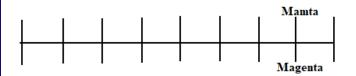
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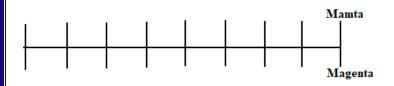








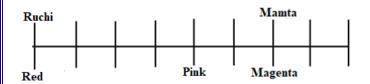
CASE III:



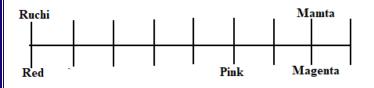
STEP II: Person who likes Pink sits second to the left of the person who likes Magenta. Ruchi who likes Red sits at the left end of the row.

As per these statements, the arrangement will look like this:

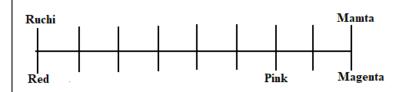
CASE I:



CASE II:



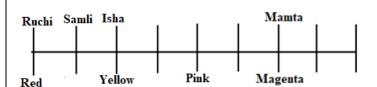
CASE III:



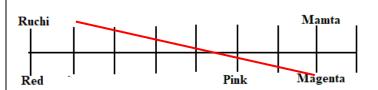
STEP III: Samli sits to the immediate right of Ruchi. Isha who likes Yellow sits exactly between Ruchi and the person who likes Pink.

As per this statement, CASE II will get eliminated and the we will continue with CASE I and CASE III and the arrangement will look like this:

CASE I:



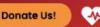
CASE II:



CASE III:

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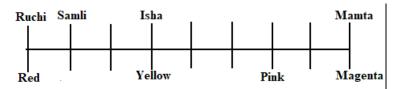




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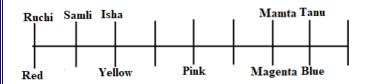
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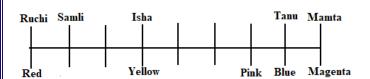
STEP IV: Number of persons sit to the left of Samli is equal to the number of persons sit to the right of Tanu who likes Blue.

As per this statement, the arrangement will look like this:

CASE I:



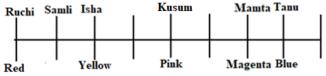
CASE III:



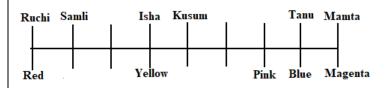
STEP V: Kusum sits three places away from Tanu.

As per this statement, the arrangement will look like this:

CASE I:



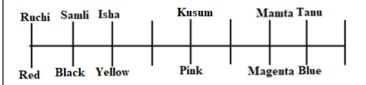
CASE III:



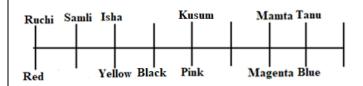
STEP VI: Person who likes Black is an immediate neighbour of the person who likes Yellow. Kusum likes neither Black nor Green.

As per this statement, CASE I will further get split into one more case and the arrangement will look like this:

CASE I:



CASE I (A):

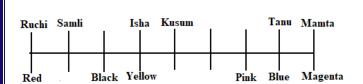


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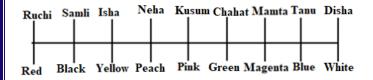
CASE III:



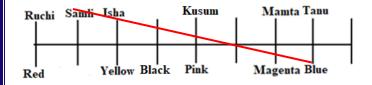
STEP VII: Disha who likes White sits towards the right of the person who likes Peach. Chahat sits to the immediate right of Kusum and he doesn't like Peach. Neither Kusum nor Samli likes Peach.

As per these statements, CASE I (A) and CASE III will get eliminated and we will continue with CASE I and the final arrangement will look like this:

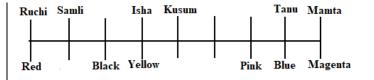
CASE I:



CASE I (A):



CASE III:



Answers (16-20):

- 16) C
- 17) A
- 18) B
- 19) E
- 20) D

Solutions (16-20):

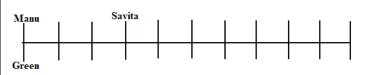
STEP I: Manu who likes Green sits at the right end of the row.

As per this statement, the arrangement will look like this:



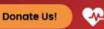
STEP II: Savita sits three places away from Manu.

As per this statement, the arrangement will look like this:



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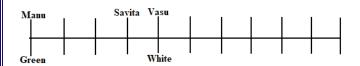
STEP III: Vasu who likes White is an immediate neighbour of Savita.

As per this statement, there are two possible cases and the arrangement will look like this:

CASE I:



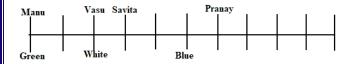
CASE II:



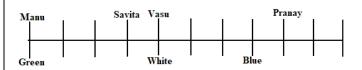
STEP IV: Three persons sit between Vasu and Pranay. Person who likes Blue sits to the immediate right of Pranay.

As per these statements, the arrangement will look like this:

CASE I:



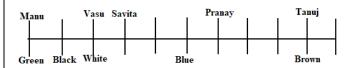
CASE II:



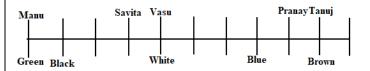
STEP V: Number of persons sit to the right of the person who likes Black is equal to the number of persons sit to the left of Tanuj who sits second from the left end of the row and likes Brown.

As per this statement, the arrangement will look like this:

CASE I:



CASE II:



STEP VI: Person who likes Purple sits two places away from the person who likes Black. Person who likes Grey sits towards the right of the person who likes Blue but not immediate.

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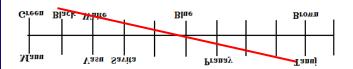
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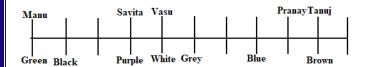


As per this statement, CASE I will get eliminated and **CASE II** will further get split into one more case and the arrangement will look like this:

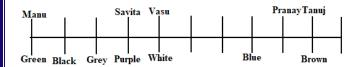
CASE I:



CASE II:



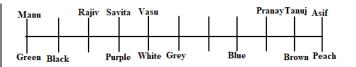
CASE II (A):



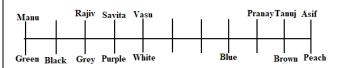
STEP VII: Rajiv sits exactly between Vasu and Manu. Asif who likes Peach is neither an immediate neighbour of the person who likes Blue nor the person who likes White.

As per this statement, the arrangement will look like this:

CASE II:



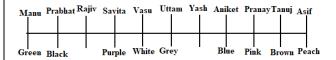
CASE II (A):



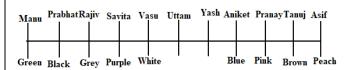
STEP VIII: Pranay likes neither Red nor Yellow. Both Uttam and Ankit who likes Blue are an immediate neighbour of Yash.

As per this statement, the arrangement will look like this:

CASE II:



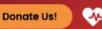
CASE II (A):



STEP IX: Prabhat sits to the immediate right of the person who likes Yellow.

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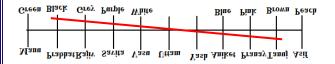


As per this statement, CASE II (A) will get eliminated and we will continue with CASE II and the final arrangement will look like this:

CASE II:



CASE II (A):



Answers (21-25):

21) B

22) C

23) E

24) D

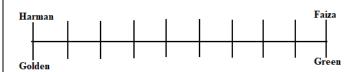
25) C

Solutions (21-25):

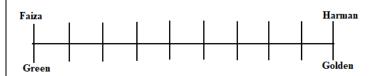
STEP I: Harman who likes Golden and Faiza who likes Green are sitting at the end of the row.

As per this statement, there are two possible cases and the arrangement will look like this:

CASE I:



CASE II:



STEP II: Two persons sit between Jaya and the person who likes Green.

As per this statement, the arrangement will look like this:

CASE I:

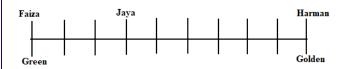


CASE II:

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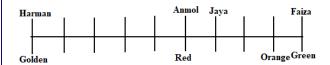




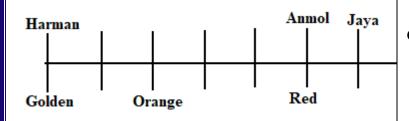
STEP III: Anmol who likes Red sits to the immediate right of Jaya. Person who likes Orange sits three places away from the person who likes Red.

As per these statements, **CASE I** will further get split into one more case and the arrangement will look like this:

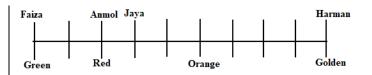
CASE I:



CASE I (A):



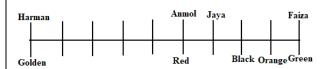
CASE II:



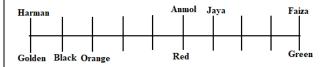
STEP IV: Prem who likes Black sits to the immediate right of the person who likes Orange.

As per this statement, the arrangement will look like this:

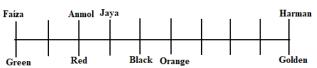
CASE I:



CASE I (A):



CASE II:



STEP V: Muskan sits third to the right of Tahira who likes Blue. Zainul and Tahira are an immediate

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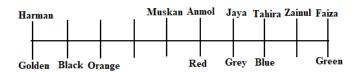




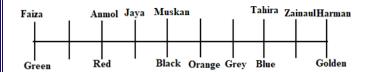
neighbour of each other. Person who likes Grey sits second to the right of Zainul.

As per these statements, the arrangement will look like this:

CASE I(A):



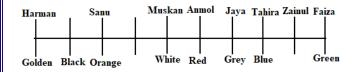
CASE II:



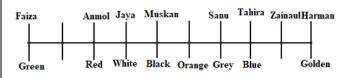
STEP VI: Sanu who likes either Orange or Grey sits exactly between the person who likes Golden and the person who likes White. **CASE I:gets eliminated.**

As per this statement, the arrangement will look like this:

CASE I(A):



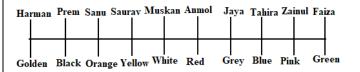
CASE II:



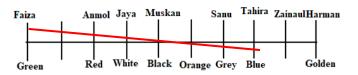
STEP VII: Number of persons sits between the person who likes Yellow and the person who likes Orange is equal to the number of persons sits between the person who likes Blue and the person who likes Pink.

As per this statement, **CASE II** will get eliminated and we will continue with **CASE I** and the final arrangement will look like this:

CASE I(A):



CASE II:



Answers (26-30):

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26) C

27) D

28) B

29) E

30) A

Solutions (26-30):

STEP I: Mehek sits second from the Right end and Manjri who likes Green sits third from the left end of the row.

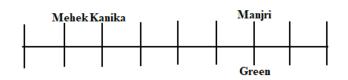
As per this statement, the arrangement will look like this:



STEP II: Kanika sits between Mehek and Manjri but she is not an immediate neighbour of Manjri.

As per this statement, there are three possible cases and the arrangement will look like this:

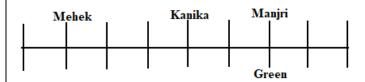
CASE I:



CASE II:



CASE III:



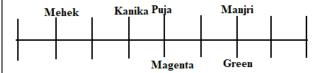
STEP III: Puja who likes Magenta sits to the immediate left of Kanika.

As per this statement, the arrangement will look like this:

CASE I:



CASE II:



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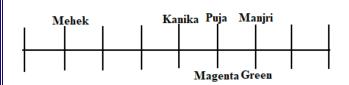
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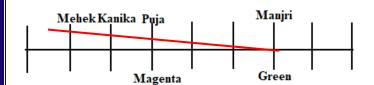
CASE III:



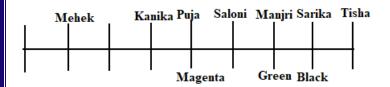
STEP IV: Saloni sits exactly between Kanika and Sarika who likes Black. Tisha who likes neither Peach nor Red, sits two places away from Manjri to the left.

As per these statements, **CASE I** will get eliminated and we will continue with **CASE II** and **CASE III** and the arrangement will look like this:

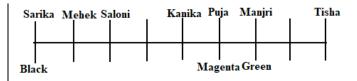
CASE I:



CASE II:



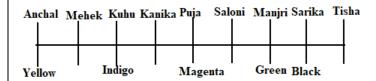
CASE III:



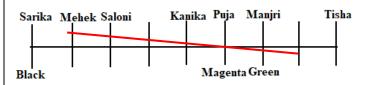
STEP V: Anchal who likes Yellow sits second to the right of Kuhu who likes Indigo.

As per this statement, **CASE III** will get eliminated and we will continue with **CASE II** and the arrangement will look like this:

CASE II:



CASE III:



STEP VI: Number of persons sit to left of the person who likes Red is equal to the number of persons sit to right of the person who likes Peach.

As per this statement, the arrangement will look like this:

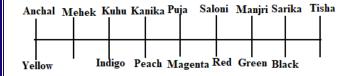
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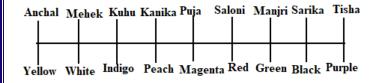
CASE II:



STEP VII: Neither Saloni nor Mehek likes Peach. More than two persons sit between the person who likes White and the person who likes Red.

As per these statements, the final arrangement will look like this:

CASE II:



Answers (31-35):

31) C

32) C

33) B

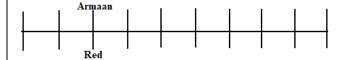
34) D

35) C

Solutions (31-35):

STEP I: Armaan who likes Red sits third from the left end of the row.

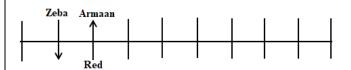
As per this statement, the arrangement will look like this:



STEP II: Zeba sits to the immediate left of Armaan and both are facing the opposite direction to each other.

As per this statement, there are two possible cases and the arrangement will look like this:

CASE I:

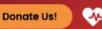


CASE II:



STEP III: Two persons sit between Zeba and the person who likes Orange.

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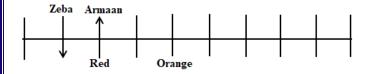






As per this statement, CASE II will get split into one more case and the arrangement will look like this:

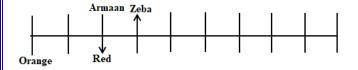
CASE I:



CASE II:



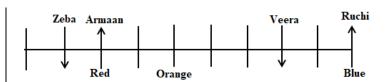
CASE II (A):



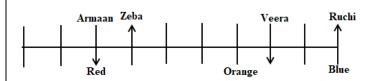
STEP IV: Ruchi who likes Blue sits at the right end of the row and faces north. Veera sits second to the left of Ruchi and faces the opposite direction to that of Ruchi.

As per this statement, the arrangement will look like this:

CASE I:



CASE II:



CASE II (A):



STEP V: Number of persons sit to the right of Nehal who likes Grey and is an immediate neighbour of Ruchi is equal to the number of persons sit to the left of the person who likes Purple. Zeba likes neither Purple nor Yellow.

As per this statement, CASE I will get eliminated and we will continue with CASE II and CASE II (A) and the arrangement will look like this:

CASE I:

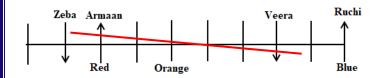
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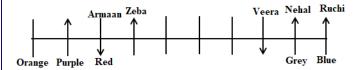




CASE II:



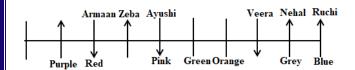
CASE II (A):



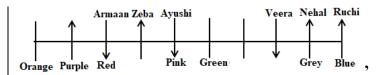
STEP VI: Ayushi who likes Pink is an immediate neighbour of both Zeba and the person who likes Green and faces south.

As per this statement, the arrangement will look like this:

CASE II:



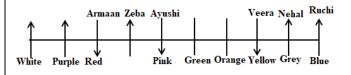
CASE II (A):



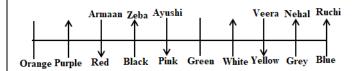
STEP VII: More than two persons sit between the person who likes Orange and the person who likes White who faces north. Veera likes neither Black nor White.

As per this statement, the arrangement will look like this:

CASE II:



CASE II (A):

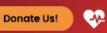


STEP VIII: Rehan sits fourth to the right of Preet who likes Green and both are facing the opposite direction to each other.

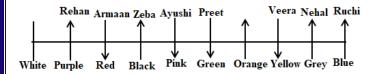
As per this statement, the arrangement will look like this:

CASE II:

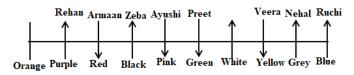
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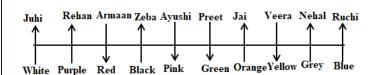
CASE II (A):



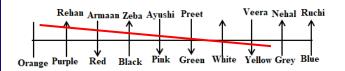
STEP IX: Jai neither likes White nor sits at the end of the row. Ayushi faces the opposite direction as compared to Nehal who faces the same direction as Jai faces.

As per this statement, CASE II (A) will get eliminated and we will continue with CASE II and the final arrangement will look like this:

CASE II:



CASE II (A):



Answers (36-40):

36) B

37) D

38) D

39) B

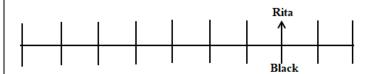
40) C

Solutions (36-40):

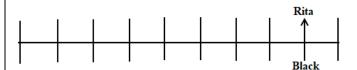
STEP I: Less than three person sits to the right of Rita who likes Black and faces north.

As per this statement, there are three possible cases and the arrangement will look like this:

CASE I:



CASE II:



CASE III:

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STEP II: Immediate neighbour of Rita is facing opposite direction to each other. Hemu who likes Magenta sits at the left end of the row.

As per these statements, the arrangement will look like this:

CASE I:



CASE II:



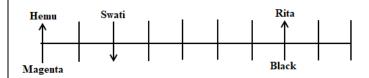
CASE III:



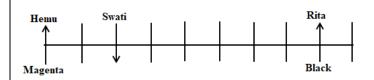
STEP III: Swati sits second to the right of Hemu and faces opposite direction to that of Hemu.

As per this statement, the arrangement will look like this:

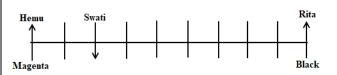
CASE I:



CASE II:



CASE III:



STEP IV: Two persons sit between Swati and Krishna who likes Green and faces north.

As per this statement, the arrangement will look like this:

CASE I:

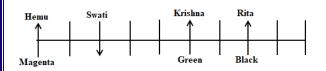
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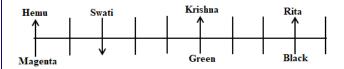




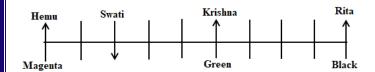




CASE II:



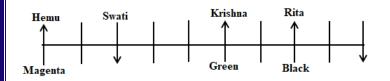
CASE III:



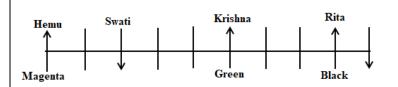
STEP V: Persons sit at the end of the row are facing the opposite directions.

As per this statement, CASE III will get eliminated and we will continue with CASE I and CASE II and the arrangement will look like this:

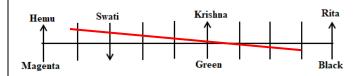
CASE I:



CASE II:



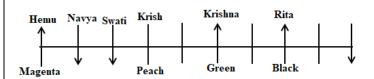
CASE III:



STEP VI: Immediate neighbours of Krishna face the same direction to each other. Krish who likes Peach sits second to the left of Navya who is not an immediate neighbour of Krishna. Krish is neither an immediate neighbour of Rita nor Hemu.

As per this statement, the arrangement will look like this:

CASE I:



CASE II:

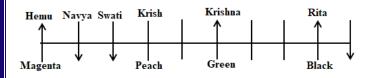
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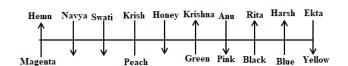




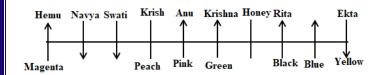
STEP VII: Ekta who likes Yellow sits to the immediate right of the person who likes Blue who doesn't sit at the end of the row. Honey sits second to right of Anu who likes Pink.Blue faces North.Honey does not like blue annd faces south.

As per these statements, CASE II will get eliminated and we will continue with CASE I and the arrangement will look like this:

CASE I:



CASE I(A):

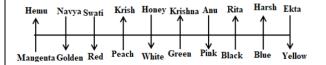


STEP VIII: Neither Navya nor Honey likes Red. Honey doesn't like Golden colour. Immediate neighbours of Honey face the same direction. Anu is not an immediate neighbour of krish, who faces north.

As per this statement, CASE 1(A) gets eliminated

The final arrangement will look like this:

CASE I:



Answers (41-45):

- 41) A
- 42) C
- 43) B
- 44) D
- 45) E

Solutions (41-45):

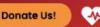
STEP I: Noor who likes Green sits at one of the ends of the row.

As per this statement, there are two possible cases and the arrangement will look like this:

CASE I:

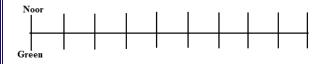
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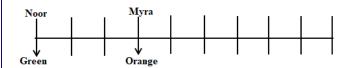
CASE II:



STEP II: Myra who likes Orange sits third to the left of Noor and both are facing the same direction.

As per this statement, the arrangement will look like this:

CASE I:



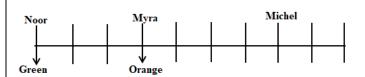
CASE II:



STEP III: Three persons sit between Myra and Michel.

As per this statement, the arrangement will look like this:

CASE I:



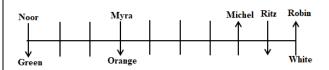
CASE II:



STEP IV: Robin who likes White sits second to the right of Michel who faces north. Ritz sits to the immediate left of Robin and faces south.

As per these statements, CASE II will further get split into one more case and the arrangement will look like this:

CASE I:



CASE II:

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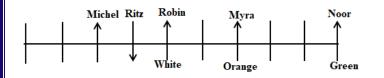




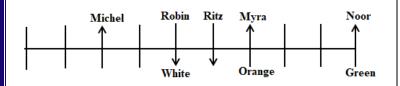


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Linear Seating Arrangement with Two Variable for SBI PO Prelims



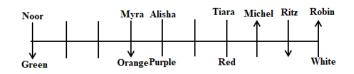
CASE II (A):



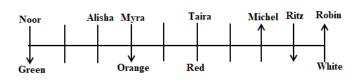
STEP V: Tiara who likes Red sits exactly between Ritz and Alisha who likes Purple and who is not an immediate neighbour of Myra.

As per this statement, CASE II will get eliminated and we will continue with CASE I and CASE II (A). Case I is split into two cases and the arrangement will look like this:

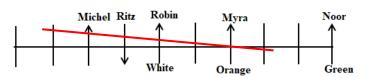
CASE I:



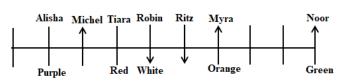
CASE I (A):



CASE II:

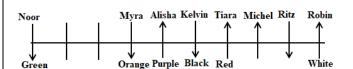


CASE II (A):

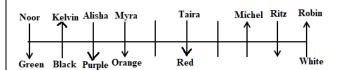


STEP VI: Both Alisha and Tiara are facing the same direction. Kelvin who likes Black sits to the immediate right of Alisha and faces opposite direction as compared to Alisha.

CASE I:



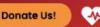
CASE I (A):



CASE II (A):

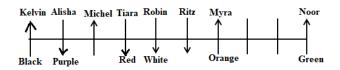
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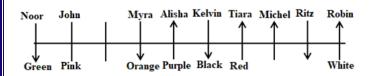




STEP VII: Persons sit at the end of the row are facing the opposite direction to each other. John who likes Pink sits third to the left of Alisha.

As per this statement, CASE II(A) and CASE1(A)get eliminated and we will continue with CASE I

CASE I:



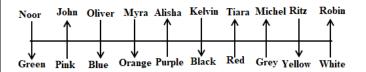
CASE I (A)



STEP VIII: Neither Ritz nor Oliver likes Grey. Person who liked Blue is not an immediate neighbour of the person who likes Grey. Both John and Oliver face opposite direction. John faces same direction as Tiara.

As per this statement, the final arrangement will look like this:

CASE I:



Answers (46-50):

- 46) C
- 47) E
- 48) B
- 49) D
- 50) A

Solutions (46-50):

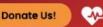
STEP I: Meher sits second from the right end of the row and likes Red.

As per this statement, the arrangement will look like this:



STEP II: Mihir is an immediate neighbour of Meher. Alia who likes White sits second to the left of Mihir.

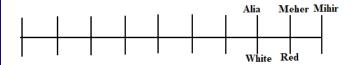
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As per these statements, there are two possible cases and the arrangement will look like this:

CASE I:



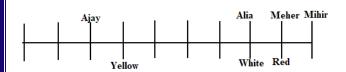
CASE II:



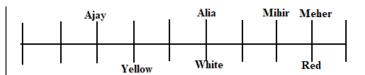
STEP III: Ajay sits third from the left end of the row. Person who likes Yellow sits to the immediate right of Ajay.

As per these statements, the arrangement will look like this:

CASE I:



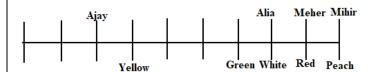
CASE II:



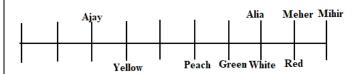
STEP IV: Only one person sits between Alia and the person who likes Peach. Person who likes Green sits to the immediate left of the person who likes White.

As per this statement, CASE I will further get split into one more case and the arrangement will look like this:

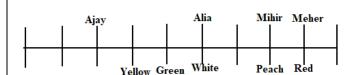
CASE I:



CASE I (A):



CASE II:



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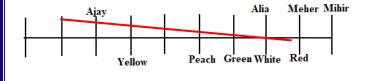
STEP V: Mili who likes Pink sits exactly between Meher and Nora who likes Green.

As per this statement, CASE I and CASE I (A) will get eliminated and we will continue with CASE II and the arrangement will look like this:

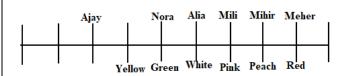
CASE I:



CASE I (A):



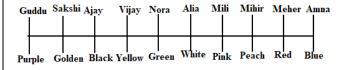
CASE II:



STEP VI: Guddu sits to the immediate left of Sakshi who likes Golden. Neither Vijay nor Guddu likes Black. Amna likes Blue colour.

As per this statement, the final arrangement will look like this:

CASE II:



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