

Logical Aptitude Quiz 017 (Data Arrangement)

1. There are five flagpoles lined up next to each other in a straight row in front of a school. Each flagpole flies one flag (red, white, or blue) and one pennant (green, white, or blue). The following are conditions that affect the placement of flags and pennants on the poles:

- On a given flagpole, the pennant and flag cannot be the same colour.
- Two adjacent flagpoles cannot fly the same colour flags.
- Two adjacent flagpoles cannot fly the same colour pennants.
- No more than two of any colour flag or pennant may fly at one time

If the 2nd and 5th pennants are blue, the 2nd and 5th flags are red, and the 3rd flag is white, then which one of the following must be true?

- A) Two of the flags are white
- B) Two of the pennants are white
- C) The 4th pennant is green
- D) If the 1st flag is white, then the 1st pennant is green

2. There are five flagpoles lined up next to each other in a straight row in front of a school. Each flagpole flies one flag (red, white, or blue) and one pennant (green, white, or blue). The following are conditions that affect the placement of flags and pennants on the poles:

- On a given flagpole, the pennant and flag cannot be the same colour.
- Two adjacent flagpoles cannot fly the same colour flags.
- Two adjacent flagpoles cannot fly the same colour pennants.
- No more than two of any colour flag or pennant may fly at one time

If the 1st flag is red and the 2nd pennant is blue, then which one of the following is NOT necessarily true?

- A) The second flag is white
- B) If the 5th flag is red, then the 3rd flag is blue
- C) If the 4th pennant is green, then the 1st pennant is white
- D) If the 1st and 5th flags are the same colour, then the 3rd flag is blue

3. There are five flagpoles lined up next to each other in a straight row in front of a school. Each flagpole flies one flag (red, white, or blue) and one pennant (green, white, or blue). The following are conditions that affect the placement of flags and pennants on the poles:

- On a given flagpole, the pennant and flag cannot be the same colour.
- Two adjacent flagpoles cannot fly the same colour flags.
- Two adjacent flagpoles cannot fly the same colour pennants.
- No more than two of any colour flag or pennant may fly at one time

If the 1st and 3rd flags are white and the 2nd and 4th pennants are blue, then which one of the following is false?

- A) The 4th flag is red
- B) The 1st pennant is green
- C) The 3rd pennant is not red
- D) The 5th pennant is green

4. There are five flagpoles lined up next to each other in a straight row in front of a school. Each flagpole flies one flag (red, white, or blue) and one pennant (green, white, or blue). The following are conditions that affect the placement of flags and pennants on the poles:

- On a given flagpole, the pennant and flag cannot be the same colour.
- Two adjacent flagpoles cannot fly the same colour flags.
- Two adjacent flagpoles cannot fly the same colour pennants.
- No more than two of any colour flag or pennant may fly at one time

If the 1st and 4th flags are blue, and the 3rd pennant is white, then which one of the following must be true?

- A) If the 1st pennant is green, then the 5th pennant is white
- B) If the 5th pennant is white, then the 1st pennant is green
- C) The 2nd flag is red
- D) The 5th flag is red

5. There are five flagpoles lined up next to each other in a straight row in front of a school. Each flagpole flies one flag (red, white, or blue) and one pennant (green, white, or blue). The following are conditions that affect the placement of flags and pennants on the poles:

- On a given flagpole, the pennant and flag cannot be the same colour.
- Two adjacent flagpoles cannot fly the same colour flags.
- Two adjacent flagpoles cannot fly the same colour pennants.
- No more than two of any colour flag or pennant may fly at one time

If the 2nd flag is red, the 3rd flag is white and the 4th pennant is blue, then which one of the following must be true?

- A) If the 5th flag is white, then the two of the pennants are blue
- B) If the 1st flag is white, then the 2nd flag is white
- C) If the 1st pennant is blue, then the 5th pennant is green
- D) If the 1st pennant is green, then the 5th flag is not blue

6. There are five flagpoles lined up next to each other in a straight row in front of a school. Each flagpole flies one flag (red, white, or blue) and one pennant (green, white, or blue). The following are conditions that affect the placement of flags and pennants on the poles:

- On a given flagpole, the pennant and flag cannot be the same colour.
- Two adjacent flagpoles cannot fly the same colour flags.
- Two adjacent flagpoles cannot fly the same colour pennants.
- No more than two of any colour flag or pennant may fly at one time

If the 1st flag and the 2nd pennant are the same colour, the 2nd flag and the 3rd pennant are the same colour, the 3rd flag and 4th pennant are the same colour, and the 4th flag and the 5th pennant are the same colour, then which one of the following must be true?

- A) The 1st pennant is white
- B) The 2nd flag is not white
- C) The 5th flag is red
- D) The 3rd pennant is blue

7.

1. Coach Balkishen is trying to put together a team of four players for a tennis tournament.
2. He has seven players available: males A, B and C and females M, N, O and P. All players are of equal ability and there must be at least two males in the team. For a team of four, all players must be able to play with each other.
3. Player B cannot play with player M
4. Player C cannot play with Player P
5. Player M cannot play with player O

If player O is selected and player B is rejected the team will consist of which foursome?

- A) A, C, M and O
- B) A, C, N and O
- C) A, C, P and O
- D) A, N, P and O

8.

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3. Player B cannot play with player M
4. Player C cannot play with Player P
5. Player M cannot play with player O

If player M is in the team, which other player(s) must be on the team as well?

- A) A, B and N
- B) A, C and N
- C) A, C and O
- D) A, C and P

9.

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4. Player C cannot play with Player P
5. Player M cannot play with player O

What statement is false?

(M) Player B and C are never selected together.

(N) Player C and O are never selected together.

(O) Player C and N are never selected together.

- A) Only M
- B) Only N
- C) Only O
- D) All the three

10.

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3. Player B cannot play with player M
4. Player C cannot play with Player P
5. Player M cannot play with player O

Which statement must always be true?

(M) If M plays, A plays

(N) If O plays, B plays

(O) If M plays, O plays

- A) Only M
- B) Only N
- C) Only O
- D) Only M and O

Answer Keys

Question	Answer
1	D
2	C
3	D
4	B
5	A

Question	Answer
6	C
7	B
8	B
9	D
10	A