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Reasoning Ability Topic Wise Short Notes In English

Puzzle

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Puzzle

Puzzle is all about analyzing the given data, arranging them in given order, and marking the correct answer. Puzzle reasoning questions require candidates to analyze the given piece of information, pick the information that is important, and leave out the information that is not required in solving the given set of questions.

Types of Puzzle

Now that we know what logical reasoning puzzles are, let us see the various types of questions that may come in your competitive exams.

1. Floor Puzzle

In this type of logical puzzle, information of people living on different floors of the same or different building will be given. Candidates need to arrange them according to the given information.

2. Scheduling Puzzle

In this type of puzzle, data based on months, days, or years will be given.

3. Double Line up / Multiple Variable Puzzle

In these type of puzzle questions, information about different people will be given. Candidates need to arrange them according to the given data.

4. Linear Puzzle

In this type of logical puzzle, candidates need to arrange people in a row or multiple rows according to the given conditions.

5. Square Puzzle

In these type of puzzle questions, candidates are required to arrange different people around a square table.

6. Box Puzzle

In this type of puzzle, candidates need to arrange the boxes one above another.

How to Solve Logical Reasoning Puzzles - Know all Tips and Tricks

Candidates can find various tips and tricks from below for solving the questions related to the Puzzle reasoning section.

Tip # 1: A triangle has 3 corners and three sides, so three persons can sit at these corners and they are facing either the center or the direction opposite to the center.

Tip # 2: If A is three people away from B is given, then $3 - 1 = 2$ people will sit between them.

Tip # 3: Candidates need to keep the following points in mind while solving the puzzle questions.

- When A is second to the left of B: $A - B$
- When A is second to right of B: $B - A$
- When A is 2 places away from B: $A/B - - B/A$
- When A is two places to the right of B or B is two places to the left of A: $B - A$
- When there are 2 people between A and B: $A - - B$

Tip # 4: The person born in the year 1990 is the order than the person born in the year 1992 or any year after 1990. The person born in January is older than the person born in March and so on.

Sample Reasoning Puzzle Questions with Answers

Question 1:

Direction: Study the following information carefully and answer the given question.

There are eight people A, B, C, D, E, F, G, and H sitting around a circular table facing towards the centre (not necessarily in the same order). C is sitting second to the right of G. E is sitting immediately to the left of A who is facing C. D is sitting between A and G, B is sitting fourth to the left of G who is sitting immediately to the left of H.

Who is sitting fifth to the right of H?

Solution:

According to the statement:

1. C is sitting second to the right of G
2. A who is facing C.
3. E is sitting immediate left of A.
4. D is sitting between A and G.
5. G is immediate left of H.
6. B is sitting fourth to the left of G.

So, A is sitting fifth to the right of H.

Question 2:

Direction: Study the following information carefully and answer the given question.

There are eight persons P, Q, R, S, T, U, V and W sitting in a row(not necessarily in the same order) and facing east. T is sitting fourth to the right of Q. V is sitting third from the right end of the row. Q is sitting between U and W who is sitting third to the left of T who is sitting at a corner. P is sitting immediate left of U. R is sitting at the left corner of the row.

How many people sit to the right of W?

Solution:

1. V is sitting third from the right end of the row.
2. R is sitting at the left corner of the row.
3. T who is sitting at a corner.
4. T is sitting fourth to the right of Q.
5. Q is sitting between U and W.
6. P is sitting immediate left of U.

So, there are three people sitting to the right of W.

Question 3:

Direction: Study the following information carefully and answer the given question.

There are eight people F, G, H, I, J, K, L, and M sitting around the square table (not necessarily in the same order) and facing inside the table.

L is sitting fifth to the left of F, who is an immediate neighbor of J. M is sitting second to the left of K, who is third to the right of L. I is not an immediate neighbor of K and M. G is sitting fourth to the left of I.

What is the position of K with the respect of H?

Solution:

According to the statement:

1. L is sitting fifth to the left of F.
2. K who is third to the right of L.
3. M is sitting second to the left of K.
4. It is not an immediate neighbor of K and M. So, I is placed at right of F because if I placed at left of L then (G is sitting fourth to the left of I) this statement can't be true.
5. F who is an immediate neighbor of J.
6. G is sitting fourth to the left of I.
7. F who is an immediate neighbor of J. And, H is sitting in the remaining place.

So, K is sitting Fourth to the left/right of H.

Question 4:

Direction: Study the following information carefully and answer the given question.

Eight friends Ankit, Abhi, Akshay, Arjun, Arav, Anmol, Ankush and Atul live on different floors of an eight floors building, Ground floor is numbered as 1 and the topmost floor is numbered as 8. One person lives on each floor but not necessarily in the same order.

Atul lives on an odd-numbered floor but not on the bottom floor. Two friends live between Atul and Ankit. Ankit lives above the floor on which Atul lives. Three friends live between

Akshay and Arjun. Arjun lives on an even-numbered floor. Arav lives just below Arjun. Arav lives on one of the floors above Abhi. Ankush lives above Anmol but below Abhi.

The number of floors above Ankit is the same as the number of floors below _____?

Solution:

- 1) Atul lives on an odd-numbered floor but not on the bottom floor.
- 2) Two friends live between Atul and Ankit.
- 3) Ankit lives above the floor on which Atul lives.
- 4) Three friends live between Akshay and Arjun.
- 5) Arjun lives on an even-numbered floor.
- 6) Arav lives just below Arjun.
- 7) Arav lives on one of the floors above Abhi. (This eliminates case 2)
- 8) Ankush lives above Anmol but below Abhi.

Hence, there will be two floors on which Atul lives.

Question 5:

Direction: Study the following information carefully and answer the given question.

P, R, T, V, X, Y, and Z are seven different people who belong to different cities, Delhi, Mumbai, Pune, Chennai, Bengaluru, Jaipur, and Surat, not necessarily in the same order. P is not from Chennai. V is neither from Surat nor from Bengaluru. Either X or T is from Delhi. Y is from Mumbai. R is not from Bengaluru. V is neither from Pune nor from Chennai. Z is either from Surat or Bengaluru. T is not from Chennai. R is neither from Pune nor from Chennai.

Which city does R belong to?

Solution:

Seven People: P, R, T, V, X, Y, and Z.

Cities' Name: Delhi, Mumbai, Pune, Chennai, Bengaluru, Jaipur, and Surat

Note: All the information is not necessarily in the same order.

1. P is not from Chennai.
2. V is neither from Surat nor from Bengaluru.
3. Either X or T is from Delhi.
4. Y is from Mumbai.

5. R is not from Bengaluru.
6. V is neither from Pune nor from Chennai.
7. Z is either from Surat or Bengaluru.
8. T is not from Chennai.
9. R is neither from Pune nor from Chennai.

Hence, we get that X is from Chennai and T is from Delhi so P is from Pune and Z is from Bengaluru.

EXERCISE

Directions (1-5): Read the following information carefully and answer the questions given below.

A group of seven friends A, B, C, D, E, F AND G work as economist, agriculture officer, IT officer, terminal operator, clerk, forex officer and research analyst, for banks L, M, N, P, Q, R and S but not necessarily in the same order. C works for bank N and is neither a research analyst nor a clerk. E is an IT officer and works for bank R. A works as a forex officer and does not work for bank L or Q. The one who is an agriculture officer works for bank M. The one who works for bank L works as a terminal operator. F works for bank Q. G works for bank P as a research analyst. D is not an agriculture officer.

1. What is the profession of C?

- A. Terminal operator
- B. Agriculture officer
- C. Economist
- D. Cannot be determined
- E. None of these

2. Who amongst the following works as a clerk?

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

3. Which of the following combination of person, profession and bank is correct?

- A. A - Forex officer - M
- B. D - Clerk - L
- C. F - Agriculture officer - Q
- D. B - Agriculture officer - S
- E. None of these

4. What is the profession of the person who works for bank S?

- A. Clerk
- B. Agriculture officer
- C. Terminal operator
- D. Forex officer
- E. None of the above

5. For which bank does B work?

- A. M
- B. S
- C. L
- D. Either M or S
- E. None of these

Answer Key

1. C

2. C

3. E

4. D

5. A