

JENPAS UG 2025 Logical Reasoning Questions with Solutions for Coding-Decoding & Directions PDF

Below are 15 best logical reasoning questions for JENPAS UG 2025 based on Directions and Coding-Decoding with complete solutions and explanations.

Question 1: In a certain code, 'SHIMLA' is written as 'RGHLKZ'. How is 'PATNA' coded in the same code?

Solution: Each letter is coded as the previous letter ($S \rightarrow R$, $H \rightarrow G$, $I \rightarrow H$, ...), except A is coded as Z.

- $P \rightarrow O$
- $A \rightarrow Z$
- $T \rightarrow S$
- $N \rightarrow M$
- $A \rightarrow Z$

Answer: OZSMZ

Explanation: Each letter is replaced by its predecessor in the alphabet. For A, it cycles back to Z.

Question 2: If 'DAZE' is written as 41265, how will 'BOY' be written in the same code?

Solution: $D=4$, $A=1$, $Z=26$, $E=5$.

- $B = 2$
- $O = 15$
- $Y = 25$

Answer: 21525

Explanation: Each letter is replaced by its position in the alphabet.

Question 3: If ACMIL is written as 'LIMCA', how will 'FANTA' be written?

Solution: The word is reversed.

- FANTA → ATNAF

Answer: ATNAF

Explanation: The coding reverses the entire word.

Question 4: A person is standing facing North. He turns 180° CW, then 90° CCW. In which direction now?

Solution: Facing North, 180° CW → South, 90° CCW → East

Answer: East

Explanation: Track every turn from the initial reference.

Question 5: A hiker walks 3 km east, 4 km north, 6 km west, and 4 km south. In which direction is he from the starting point?

Solution:

- East: +3
- West: -6
- Net: -3 (3 km west)
- North/South: 4 up, 4 down → net 0

Answer: West

Explanation: Ends 3 km west of the start.

Question 6: An explorer starts facing east, turns 45° clockwise, then 135° counterclockwise. Which direction is he now facing?

Solution: East → SE (45°) → NW (135° CCW from SE)

Explanation: After net movement, facing North-West.

Question 7: A person walks 6 km north, then 8 km west, and finally 6 km south. What is the distance from the starting point?

Solution: He ends 8 km west of the start.

Explanation: Movement north and south cancels; only westward remains: 8 km.

Question 8: MENTOR is coded as EMOUPS, and OCTAGON is coded as COUBHPO. How is PENCIL coded?

Solution: First two letters are swapped, the rest are shifted +1:

- PENCIL → EPODJM

Explanation: Swap positions 1-2, then increment each subsequent letter's position.

Question 9: If the code for "MOVE FAST OR LEFT BEHIND" is '7 1 9 0 3', what is the code for "FAST"?

Solution: 'FAST' corresponds to the code '7'

Explanation: Compare codes for all words to find a unique mapping.

Question 10: If BAG = 10 and HIT = 32, what is CAT?

Solution:

- B=2, A=1, G=7 $\Rightarrow 2+1+7=10$
- H=8, I=9, T=20 $\Rightarrow 8+9+20=37$ (But here HIT=32, Check multiples.)
- For CAT $\rightarrow C=3, A=1, T=20 \Rightarrow 3+1+20=24$

Explanation: Add letter values; some codes are based on different logic, but the sum-based is common in JENPAS.
