



SNS COLLEGE OF TECHNOLOGY

(An Autonomous Institution)

Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai

Accredited by NAAC-UGC with 'A++' Grade (Cycle III) &

Accredited by NBA (B.E - CSE, EEE, ECE, Mech & B.Tech.IT)

COIMBATORE-641 035, TAMIL NADU



UNIT-IV NON- VERBAL REASONING

Figure series, Odd man out, Mirror Image, Water image, Embedded Image, Cubes and Dices, Insert the Missing Characters, Analytical reasoning.

Figure Series

Puzzle 1:

You see a sequence of five squares.

- In the first, there is a dot in the top-left corner.
- In the second, the dot moves to the top-right.
- In the third, the dot is in the bottom-right.
- In the fourth, the dot is in the bottom-left.

Where will the dot be in the fifth square?

Answer:

Back to the top-left corner (the sequence repeats in a clockwise direction)^{[1][2]}.

Odd Man Out

Puzzle 2:

You are shown five shapes: four are triangles pointing in different directions, and one is a square.

Which one is the odd one out?

Answer:

The square is the odd one out, as all others are triangles^{[1][2]}.



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Mirror Image

Puzzle 3:

Imagine the letter "L" is placed in front of a mirror. What will its mirror image look like?

Answer:

The mirror image will show the "L" facing the opposite direction, as if flipped left to right^[3].

Water Image

Puzzle 4:

Picture the number "3" written on a page. If you look at it in a pool of water below the page, what will the water image look like?

Answer:

The "3" will appear upside down, as if rotated top to bottom^[3].

Embedded Image

Puzzle 5:

You see a complex picture with many lines and shapes. Hidden inside is a simple triangle. Can you spot the triangle among the other shapes?

Answer:

Yes, by carefully examining the picture, you can find the triangle embedded within the other lines and shapes^{[3][4]}.

Cubes and Dices



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Puzzle 6:

A cube is painted on all sides and then cut into smaller cubes. Some of the small cubes have paint on three faces, some on two, some on one, and some have no paint at all.

Which small cubes have no paint on any face?

Answer:

The cubes that were completely inside the original cube, not touching any face, have no paint^[1].

Insert the Missing Characters

Puzzle 7:

You see a pattern of shapes: circle, square, circle, square, ___.

What comes next?

Answer:

A circle, since the pattern alternates between circle and square^[2].

Analytical Reasoning

Puzzle 8:

You are given a set of four figures. Each figure has a different number of sides: triangle, square, pentagon, and hexagon.

If the pattern continues, what will be the next figure in the sequence?

Answer:

A figure with seven sides (heptagon), as the number of sides increases by one each time^[2].