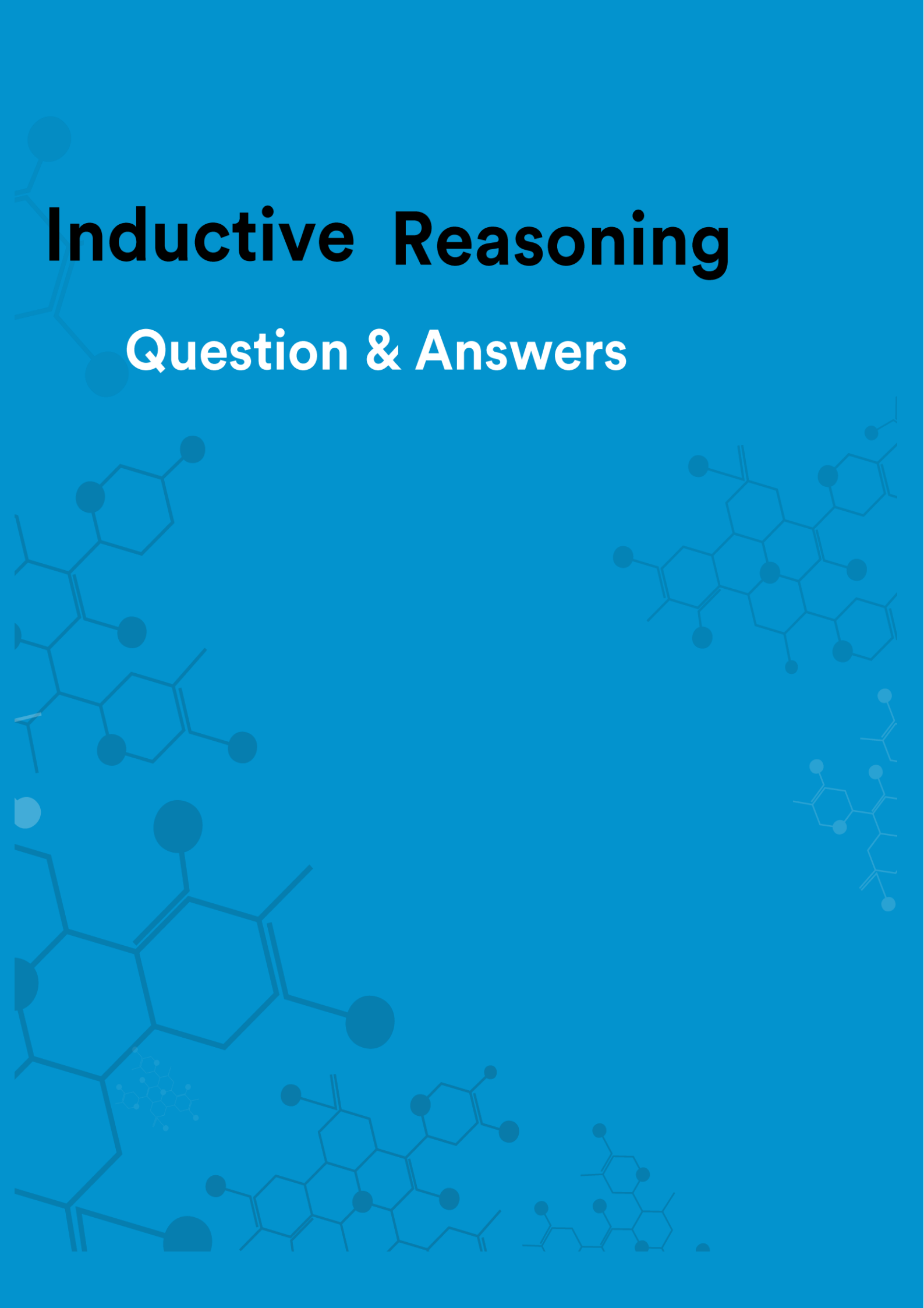


Inductive Reasoning

Question & Answers



Question 1

Complete the sequence.

(A) (B) (C) (D)

A)

B)

C)

D)

Solution

Answer = B. The outer circle is turning in an anti-clockwise direction and the inner circle is rotating 90 degrees in a clockwise direction.

Question 2

Which of the suggested shapes shares a feature with the given shapes?

W E Y

(A)

F

(B)

O

(C)

T

(D)

H

A)

B)

C)

D)

Solution

Answer = C. All of the given shapes have 1 line of symmetry, meaning C is the only shape that could be correct. A has none, B has multiple and C has 2.

Question 3

Complete the sequence.

The sequence consists of five boxes. The first box contains a five-pointed star. The second box contains an octagon. The third box contains a hexagon. The fourth box is a grey square with a question mark. The fifth box contains a semi-circle. Below the sequence are four options labeled A, B, C, and D. Option A is a triangle, B is a quadrilateral, C is an octagon, and D is an inverted triangle.

A)

B)

C)

D)

Solution

Answer = B. The sides of each shape are decreasing by 2 as you move along each image in the sequence.

Question 4

Identify the patterns and work out which of the following would complete the sequence.

(A) (B) (C) (D)

A)

B)

C)

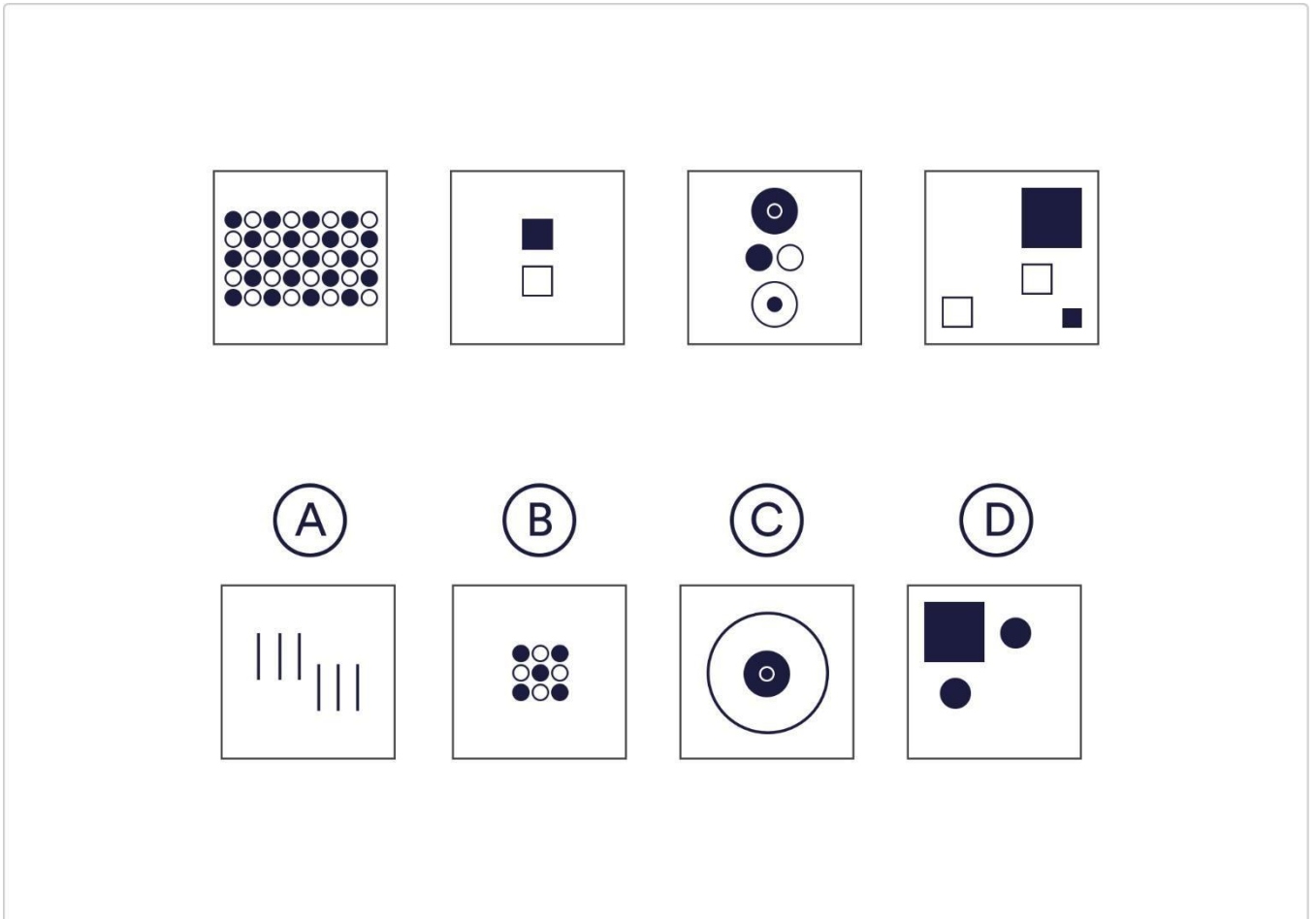
D)

Solution

Answer = B. The first pattern that you can identify is the pentagon in the bottom corner is alternately flipping vertically, ruling out C and D. The only difference between A and B is the size of the square, in order to maintain a sequential pattern B must be correct, the square grows in size then shrinks as it progresses along the sequence.

Question 5

Which of the suggested images would belong with the given sequence?



A)

B)

C)

D)

Solution

Answer = A. The pictures are seemingly random, however they all contain an even number of shapes; 40 dots, 2 squares, 6 circles, 4 squares. Therefore, the answer must be A as it is the only one with an even number of shapes, 6 lines.