

# **Non-Verbal Reasoning Practice Test – Set B**

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Each of the following questions consists of two sets of figures. Figures A, B, C and D constitute the Problem Set while figures 1, 2, 3, 4 and 5 constitute the Answer Set.

There is a definite relationship between figures A and B. Establish a similar relationship between figures C and D by selecting a suitable figure from the Answer Set that would replace the question mark (?) in fig. (D).

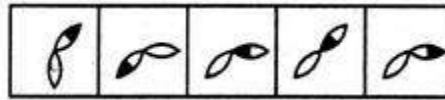
1. Select a suitable figure from the Answer Figures that would replace the question mark (?).

**Problem Figures:**



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

**Answer Figures:**



(1) (2) (3) (4) (5)

A. 1

B. 2

C. 3

D. 4

E. 5

### Answer & Explanation

**Answer:** Option

C

**Explanation:**

The half-shaded leaf rotates  $135^\circ$  ACW and the unshaded leaf rotates  $135^\circ$  CW.

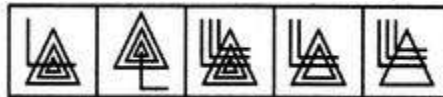
2. Select a suitable figure from the Answer Figures that would replace the question mark (?).

Problem Figures:



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

Answer Figures:



(1) (2) (3) (4) (5)

- A. 1
- C. 3
- E. 5

- B. 2
- D. 4

### Answer & Explanation

**Answer:** Option

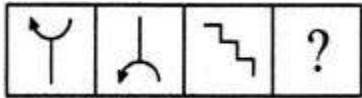
**A**

**Explanation:**

The upper element is converted to an element similar to the lower elements and each one of the lower elements is converted to an element similar to the upper element.

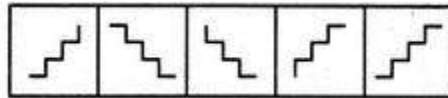
3. Select a suitable figure from the Answer Figures that would replace the question mark (?).

Problem Figures:



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

Answer Figures:



(1) (2) (3) (4) (5)

A. 1

B. 2

C. 3

D. 4

E. 5

### Answer & Explanation

**Answer:** Option

**A**

**Explanation:**

The figure gets vertically inverted.

4. Select a suitable figure from the Answer Figures that would replace the question mark (?).

Problem Figures:



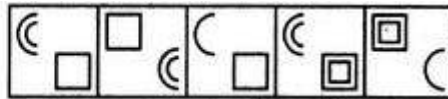
(A) (B) (C) (D)

A. 1

C. 3

E. 5

Answer Figures:



(1) (2) (3) (4) (5)

B. 2

D. 4

### Answer & Explanation

**Answer:** Option

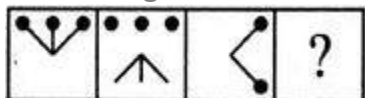
**B**

**Explanation:**

Each one of the upper elements is replaced by an element similar to the lower element(s) and each one of the lower elements is replaced by an element similar to the upper element(s).

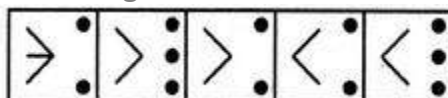
5. Select a suitable figure from the Answer Figures that would replace the question mark (?).

Problem Figures:



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

Answer Figures:



(1) (2) (3) (4) (5)

A. 1

C. 3

E. 5

B. 2

D. 4

**Answer & Explanation**

**Answer:** Option

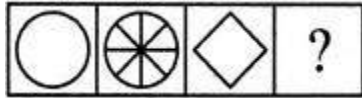
C

**Explanation:**

Except for the dots, the remaining part of the figure rotates through  $180^\circ$  and shifts to the opposite side of the square boundary.

6. Select a suitable figure from the Answer Figures that would replace the question mark (?).

Problem Figures:



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

Answer Figures:



(1) (2) (3) (4) (5)

A. 1

B. 2

C. 3

D. 4

E. 5

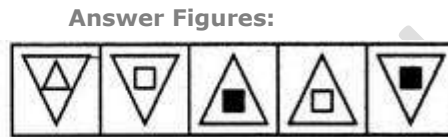
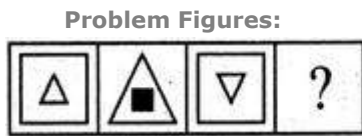
### Answer & Explanation

**Answer:** Option A

**Explanation:**

The figure gets divided into eight equal parts.

7. Select a suitable figure from the Answer Figures that would replace the question mark (?).



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

(1) (2) (3) (4) (5)

A. 1

B. 2

C. 3

D. 4

E. 5

### Answer & Explanation

**Answer:** Option

E

**Explanation:**

The inner element enlarges to become the outer element while the outer element reduces in size, turns black and becomes the inner element.



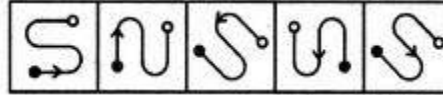
8. Select a suitable figure from the Answer Figures that would replace the question mark (?).

Problem Figures:



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

Answer Figures:



(1) (2) (3) (4) (5)

A. 1

B. 2

C. 3

D. 4

E. 5

#### Answer & Explanation

**Answer:** Option E

**Explanation:**

The figure rotates through  $90^\circ$  ACW and the arrowhead shifts closer to the black circle.

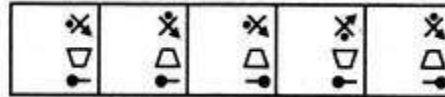
9. Select a suitable figure from the Answer Figures that would replace the question mark (?).

Problem Figures:



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

Answer Figures:



(1) (2) (3) (4) (5)

A. 1

B. 2

C. 3

D. 4

E. 5

### Answer & Explanation

**Answer:** Option

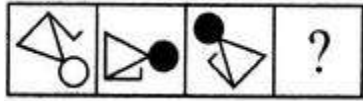
C

**Explanation:**

The trapezium gets vertically inverted and move to the middle right position; the pin rotates  $90^\circ$  CW and moves to the lower-right position; the third element rotates  $135^\circ$  ACW.

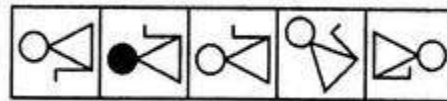
10. Select a suitable figure from the Answer Figures that would replace the question mark (?).

Problem Figures:



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

Answer Figures:



(1) (2) (3) (4) (5)

A. 1

B. 2

C. 3

D. 4

E. 5

### Answer & Explanation

**Answer:** Option

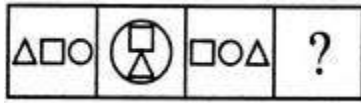
C

**Explanation:**

The figure rotates  $45^\circ$  ACW; the circle changes colour (turns black if initially white and vice-versa). The 'L'-shaped element shifts to the other side of the main figure.

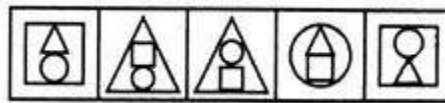
11. Select a suitable figure from the Answer Figures that would replace the question mark (?).

Problem Figures:



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

Answer Figures:



(1) (2) (3) (4) (5)

A. 1

B. 2

C. 3

D. 4

E. 5

### Answer & Explanation

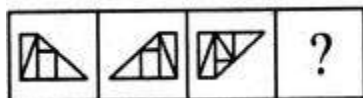
**Answer:** Option

**C Explanation:**

The rightmost element enlarges to become the outer element; the leftmost element becomes the inner-lower element and the middle element becomes the inner-upper element.

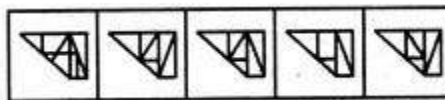
12. Select a suitable figure from the Answer Figures that would replace the question mark (?).

Problem Figures:



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

Answer Figures:



(1) (2) (3) (4) (5)

A. 1

B. 2

C. 3

D. 4

E. 5

Answer & Explanation

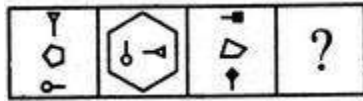
Answer: Option

C Explanation:

The figure gets laterally inverted.

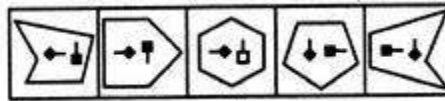
13. Select a suitable figure from the Answer Figures that would replace the question mark (?).

Problem Figures:



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

Answer Figures:



(1) (2) (3) (4) (5)

A. 1

B. 2

C. 3

D. 4

E. 5

### Answer & Explanation

**Answer:** Option

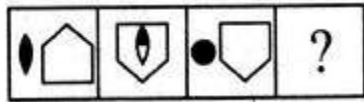
A

**Explanation:**

The central element is enlarged and the number of sides in this element increases by one. The upper element rotates  $90^\circ$  CW and is placed on the RHS inside the enlarged element. The lower element rotates  $90^\circ$  ACW and is placed on the LHS inside the enlarged element.

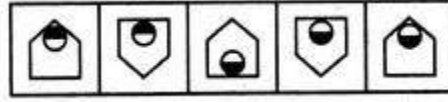
14. Select a suitable figure from the Answer Figures that would replace the question mark (?).

Problem Figures:



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

Answer Figures:



(1) (2) (3) (4) (5)

A. 1

B. 2

C. 3

D. 4

E. 5

### Answer & Explanation

**Answer:** Option

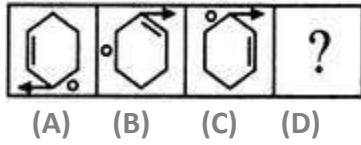
A

**Explanation:**

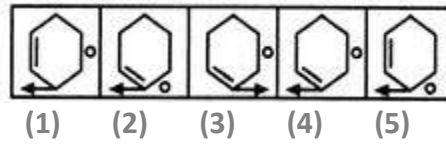
The pentagon gets vertically inverted. The lower half of the black element becomes white and this element moves inside the pentagon and gets attached to its upper end.

15. Select a suitable figure from the Answer Figures that would replace the question mark (?).

Problem Figures:



Answer Figures:



A. 1

B. 2

C. 3

D. 4

E. 5

### Answer & Explanation

**Answer:** Option

**D**

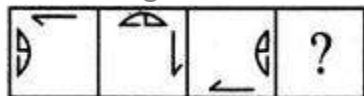
**Explanation:**

The arrow moves four spaces (each space is equal to a side of the hexagon) in a CW direction while the line segment and the circle move two spaces in a CW direction.



16. Select a suitable figure from the Answer Figures that would replace the question mark (?).

Problem Figures:



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

Answer Figures:



(1) (2) (3) (4) (5)

A. 1

B. 2

C. 3

D. 4

E. 5

### Answer & Explanation

**Answer:** Option

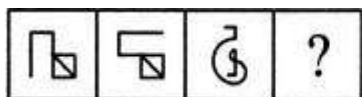
**D**

**Explanation:**

Both the elements move to the adjacent side in a CW direction; the half-arrow rotates  $90^\circ$  ACW; the semi-circular element rotates  $90^\circ$  ACW and gets laterally inverted.

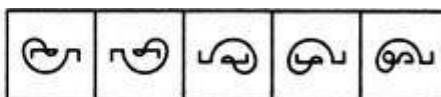
17. Select a suitable figure from the Answer Figures that would replace the question mark (?).

Problem Figures:



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

Answer Figures:



(1) (2) (3) (4) (5)

A. 1

B. 2

C. 3

D. 4

E. 5

Answer &  
Explanation

Answer:

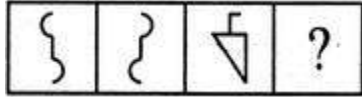
Option C

Explanation:

The figure rotates 90°ACW and is vertically inverted.

18. Select a suitable figure from the Answer Figures that would replace the question mark (?).

Problem Figures:



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

Answer Figures:



(1) (2) (3) (4) (5)

A. 1

B. 2

C. 3

D. 4

E. 5

### Answer & Explanation

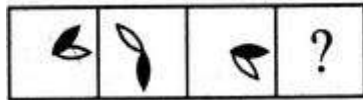
**Answer:** Option

**B Explanation:**

The figure gets vertically inverted.

19. Select a suitable figure from the Answer Figures that would replace the question mark (?).

Problem Figures:



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

Answer Figures:



(1) (2) (3) (4) (5)

A. 1

C. 3

E. 5

B. 2

D. 4

Answer &  
Explanation

Answer:

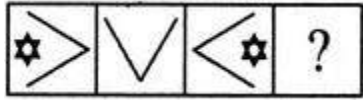
Option A

Explanation:

The black leaf rotates  $135^\circ$  CW and the white leaf rotates  $135^\circ$  ACW.

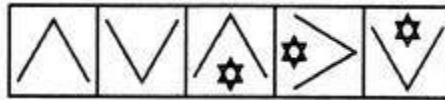
20. Select a suitable figure from the Answer Figures that would replace the question mark (?).

Problem Figures:



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

Answer Figures:



(1) (2) (3) (4) (5)

A. 1

B. 2

C. 3

D. 4

E. 5

Answer & Explanation

Answer: Option

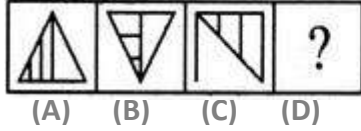
A

Explanation:

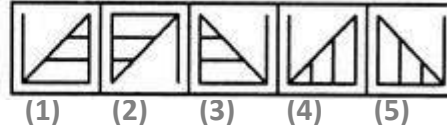
The figure rotates 90°CW and the stars disappears.

21. Select a suitable figure from the Answer Figures that would replace the question mark (?).

Problem Figures:



Answer Figures:



A. 1

B. 2

C. 3

D. 4

E. 5

### Answer & Explanation

**Answer:** Option

A

**Explanation:**

The figure gets vertically inverted and the two vertical lines inside the figure get rotated through  $90^\circ$ .

22. Select a suitable figure from the Answer Figures that would replace the question mark (?).

Problem Figures:



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

Answer Figures:



(1) (2) (3) (4) (5)

A. 1

B. 2

C. 3

D. 4

E. 5

**Answer & Explanation**

**Answer:** Option

C

**Explanation:**

The figure rotates 90°ACW and its black inverted image is placed over it.

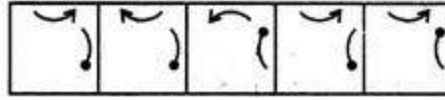
23. Select a suitable figure from the Answer Figures that would replace the question mark (?).

Problem Figures:



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

Answer Figures:



(1) (2) (3) (4) (5)

- A. 1
- C. 3
- E. 5

- B. 2
- D. 4

### Answer & Explanation

**Answer:** Option

**D**

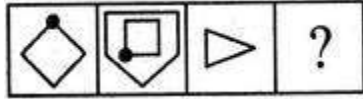
**Explanation:**

The curved pin rotates  $90^\circ$  ACW and moves to the adjacent side (of the square boundary) in a CW direction. The curved arrow rotates  $90^\circ$  ACW and moves to the adjacent side in a CW direction.



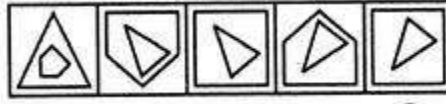
24. Select a suitable figure from the Answer Figures that would replace the question mark (?).

Problem Figures:



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

Answer Figures:



(1) (2) (3) (4) (5)

A. 1

B. 2

C. 3

D. 4

E. 5

Answer & Explanation

Answer: Option

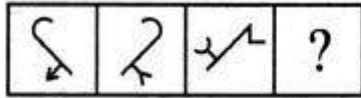
C

Explanation:

The figure rotates through  $135^\circ$  ACW and is placed inside another figure with one more number of sides.

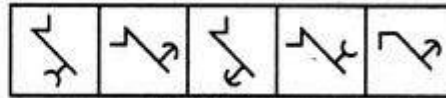
25. Select a suitable figure from the Answer Figures that would replace the question mark (?).

Problem Figures:



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

Answer Figures:



(1) (2) (3) (4) (5)

A. 1

B. 2

C. 3

D. 4

E. 5

Answer &  
Explanation

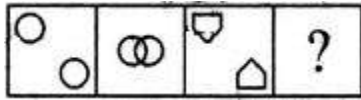
**Answer:** Option B

**Explanation:**

The figure gets laterally inverted and the head of the arrow (the arrowhead may be a 'V' or an arc) gets inverted.

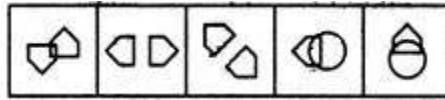
26. Select a suitable figure from the Answer Figures that would replace the question mark (?).

Problem Figures:



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

Answer Figures:



(1) (2) (3) (4) (5)

A. 1

B. 2

C. 3

D. 4

E. 5

### Answer & Explanation

**Answer:** Option

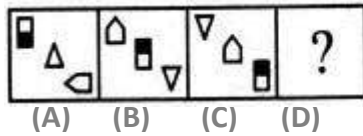
A

**Explanation:**

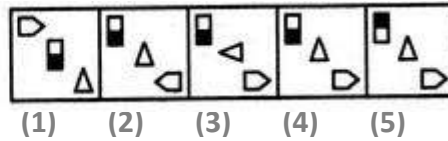
The two elements approach each other and get overlapped;

27. Select a suitable figure from the Answer Figures that would replace the question mark (?).

Problem Figures:



Answer Figures:



A. 1

B. 2

C. 3

D. 4

E. 5

### Answer & Explanation

**Answer:** Option

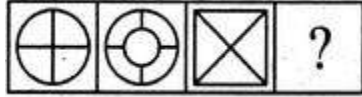
D

**Explanation:**

The elements move downwards along the diagonal and the lowermost element moves to the uppermost position. The triangle and the half shaded rectangle get vertically inverted and the pentagon rotates 90°CW.

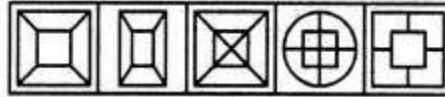
28. Select a suitable figure from the Answer Figures that would replace the question mark (?).

Problem Figures:



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

Answer Figures:



(1) (2) (3) (4) (5)

A. 1

B. 2

C. 3

D. 4

E. 5

Answer & Explanation

Answer: Option

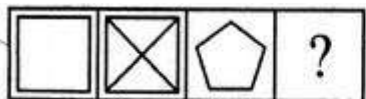
A

Explanation:

An element similar to but smaller than the outer element appears as the inner element and it hides the parts of the line segments that come under it.

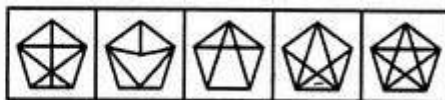
29. Select a suitable figure from the Answer Figures that would replace the question mark (?).

Problem Figures:



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

Answer Figures:



(1) (2) (3) (4) (5)

A. 1

B. 2

C. 3

D. 4

E. 5

### Answer & Explanation

**Answer:** Option

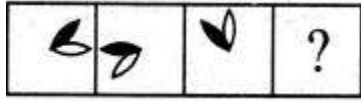
E

**Explanation:**

All the diagonals of the figure have been drawn.

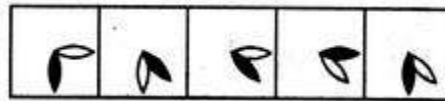
30. Select a suitable figure from the Answer Figures that would replace the question mark (?).

Problem Figures:



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

Answer Figures:



(1) (2) (3) (4) (5)

A. 1

B. 2

C. 3

D. 4

E. 5

Answer & Explanation

Answer: Option

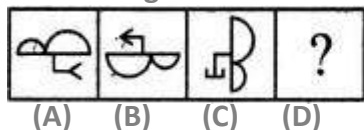
E

Explanation:

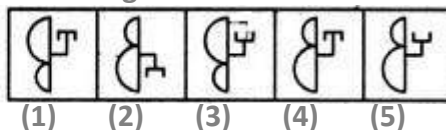
The black leaf rotates  $135^\circ$ ACW and the white leaf rotates  $135^\circ$ CW.

31. Select a suitable figure from the Answer Figures that would replace the question mark (?).

Problem Figures:



Answer Figures:



A. 1

B. 2

C. 3

D. 4

E. 5

### Answer & Explanation

**Answer:** Option

**E Explanation:**

The figure rotates through  $180^\circ$  and the head of the arrow attached to the main figure, gets inverted.