

UOT Abstract Reasoning

Analogy

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: Answer Figures:



(A) (B) (C) (D) (1) (2) (3) (4) (5)

- A. 1
- B. 2
- C. 3
- D. 4
- E. 5

Answer: Option C

Explanation:

The half-shaded leaf rotates 135°ACW and the unshaded leaf rotates 135°CW.

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



(A) (B) (C) (D) (1) (2) (3) (4) (5)

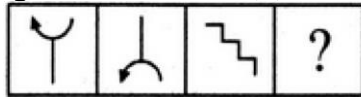
- A. 1
- B. 2
- C. 3
- D. 4
- E. 5

Answer: Option A

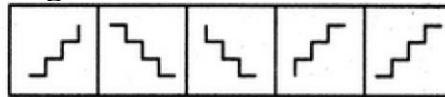
Explanation:

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: Answer Figures:



(A) (B) (C) (D)
(5)



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

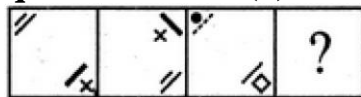
- A. 1
- B. 2
- C. 3
- D. 4
- E. 5

Answer: Option A

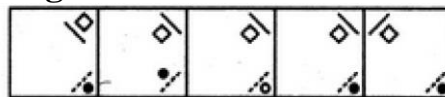
Explanation:

The figure gets vertically inverted.

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



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



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

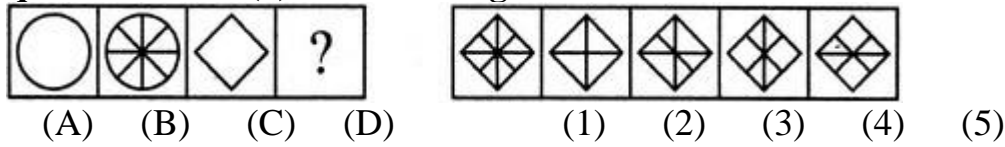
- A. 1
- B. 2
- C. 3
- D. 4
- E. 5

Answer: Option B

Explanation:

The combination of two symbols placed at the lower-right corner, rotates 90°CW and moves to the Upper-right corner. Also, the combination of two symbols placed at the upper-left corner, moves to the lower-right corner

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



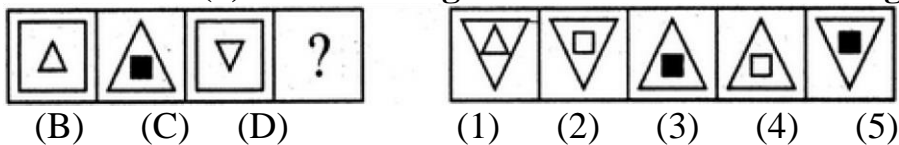
- A. 1
- B. 2
- C. 3
- D. 4
- E. 5

Answer: Option A

Explanation:

The figure gets divided into eight equal parts.

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



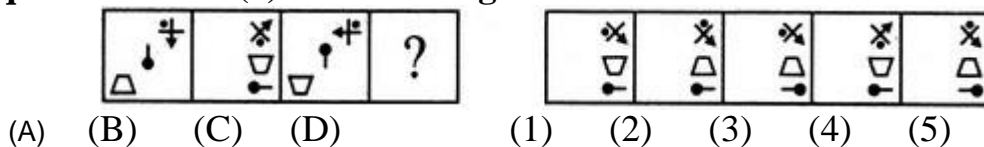
- A. 1
- B. 2
- C. 3
- D. 4
- E. 5

Answer: 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.

7. 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

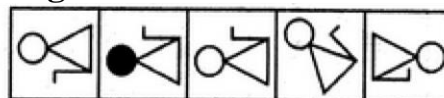
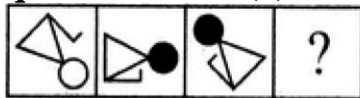
E. 5

Answer: Option C

Explanation:

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

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



(A) (B) (C) (D)
(5)

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

(A) 1

(B) 2

(C) 3

(D) 4

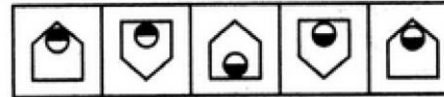
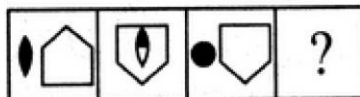
(E) 5

Answer: Option C

Explanation:

The figure rotates 45°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.

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



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

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

A. 1

B. 2

C. 3

D. 4

E. 5

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.

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



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



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

A. 1

B. 2

C. 3

D. 4

E. 5

Answer: Option A

Explanation:

The black leaf rotates 135°CW and the white leaf rotates 135°ACW.