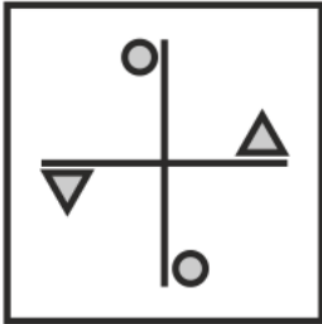


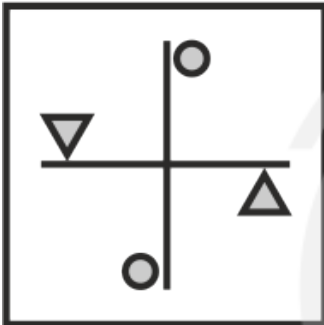
## UPSC CSAT DPP 18 - Reasoning

**Q1** Consider the following figure:



Which of the following figures resembles the water image of the given figure?

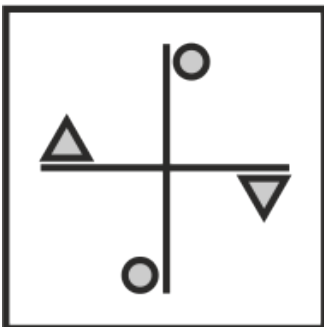
(A)



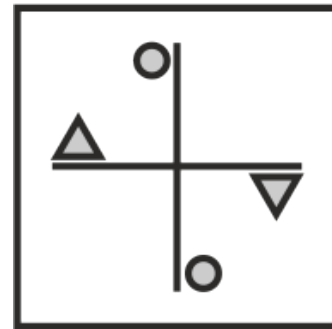
(B)



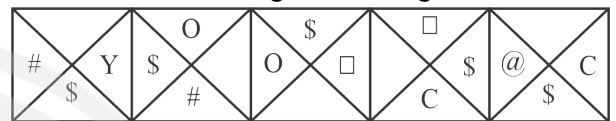
(C)



(D)



**Q2** Consider the following series of figures:



Which of the following can be the next figure of the series?

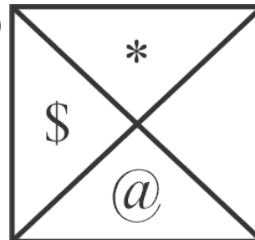
(A)



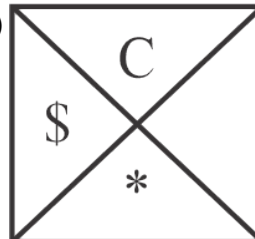
(B)



(C)



(D)

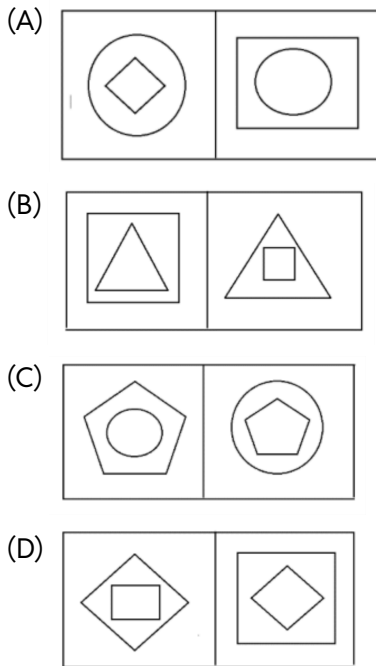


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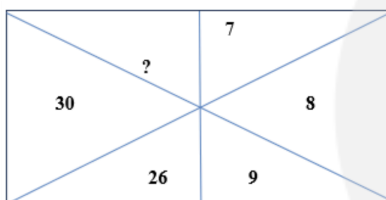
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| [PW Website](#)

**Q3** Select the odd pair from options given below:



**Q4** Find the Missing Number in the figure given below:



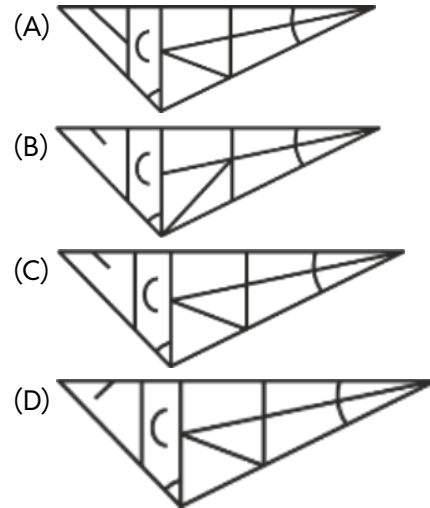
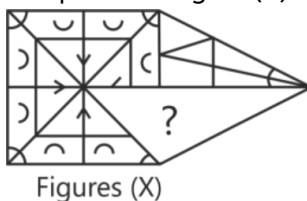
- (A) 34 (B) 36  
(C) 42 (D) 44

**Q5** Find the specific term at the place of the question mark from the given alternatives:

3 C	2 B	4 A
27 A	?	64 B
9 C	4 A	16 B

- (A) 8 C (B) 12 B  
(C) 16 C (D) 18 C

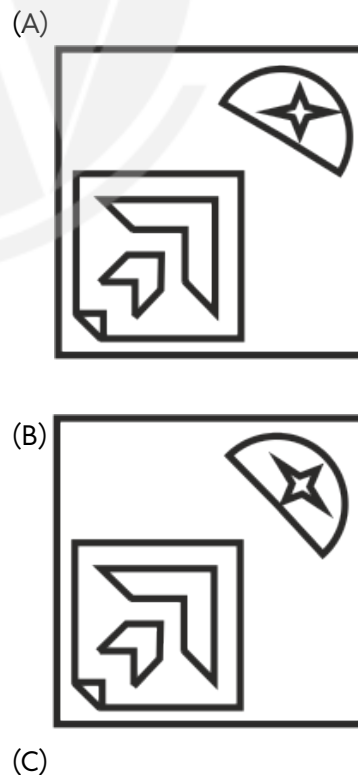
**Q6** Select a figure from the options which will complete the figure (X).



**Q7** Consider the following figure:



Which of the following is correct mirror image of the given figure?

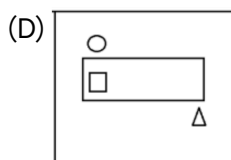
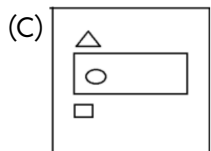
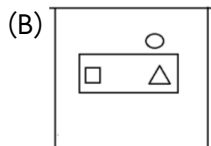
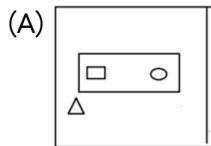
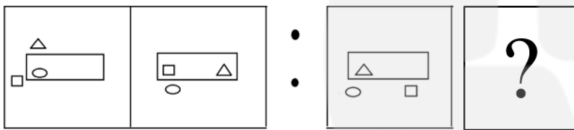




(D)



**Q8** In the following question; first and second figure have a certain relation, the same relation exists between third and fourth figure. Select the correct figure in place of question mark from the options given below.



**Q9** How many triangles are there in the given figure?



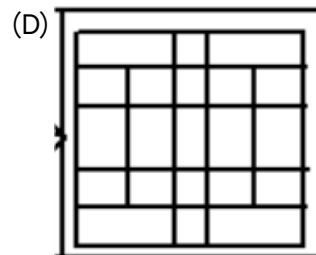
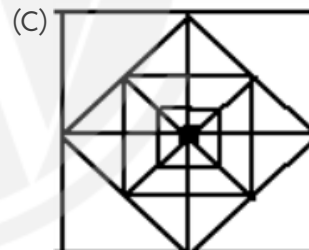
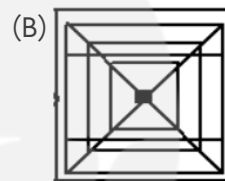
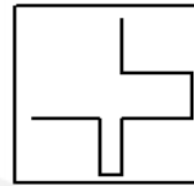
(A) 5

(B) 10

(C) 11

(D) 9

**Q10** Find out the alternative figure which contains figure given below as its part.


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## Answer Key

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**Q1** (C)

**Q2** (C)

**Q3** (A)

**Q4** (A)

**Q5** (A)

**Q6** (C)

**Q7** (A)

**Q8** (A)

**Q9** (C)

**Q10** (D)



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## Hints & Solutions

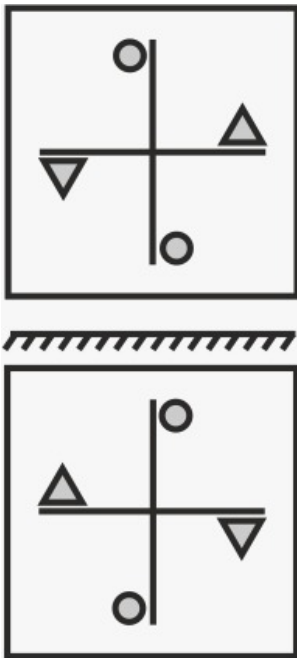
### Q1 Text Solution:

Ans: (c)

Explanation:

**Water Image** - In water images, the top and bottom of the image switch places, so what was on the top moves to the bottom and vice versa. The left and right sides of the image stay the same.

The water image of the given figure is:



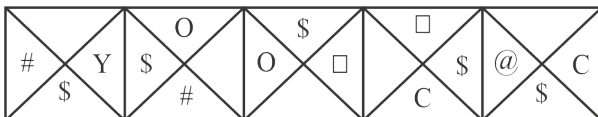
Hence, option (c) is the correct answer.

### Q2 Text Solution:

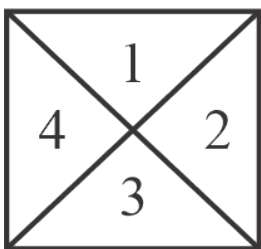
Ans: (c)

Explanation:

Given series is:



For our convenience we can assign numbers to the sections.



By analysing the given series we can deduce that:

1. The gap section is moving in clockwise direction, starting from the upper section (1st) so in the sixth series the gap section will be in the second position.
2. Signs follow a pattern in clockwise direction like:

In 1st figure : Y \$ # are in 2nd, 3rd and 4th sections respectively

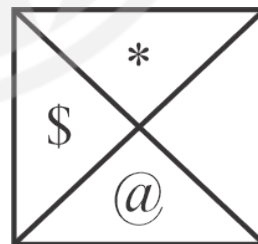
In 2nd figure : # \$ O are in 3rd, 4th and 1st sections respectively

In 3rd figure: O \$ □ are in 4th, 1st and 2nd sections respectively

We can see that the 3rd symbol of the first figure becomes the 1st symbol of the next figure, followed by the \$ symbol.

So, in the next figure, the 1st symbol will be the 3rd symbol from the 5th figure, which is @, followed by \$. These will appear in the 3rd and 4th sections, with the 1st section filled by another symbol.

Therefore, the figure given in option (c) is the correct one.



Hence, option (c) is the correct answer.

### Q3 Text Solution:

Ans: (a)

Explanation:

In figure B, C and D, the inner shape and the outer shape are exchanging positions. But, in option A the inner shape is also rotating and so the option A is the odd pair.

Hence, option (a) is correct.

### Q4 Text Solution:



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