

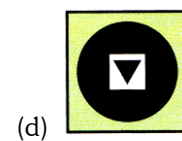
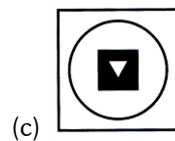
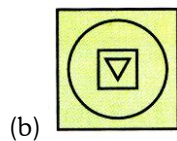
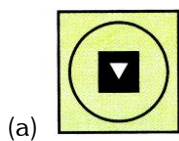
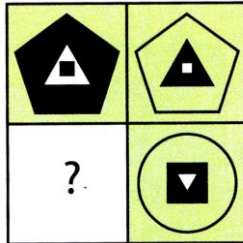
# Grouping

## REASONING WORKBOOK

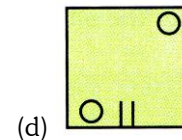
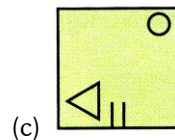
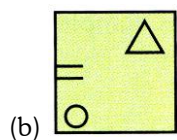
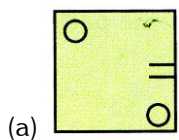
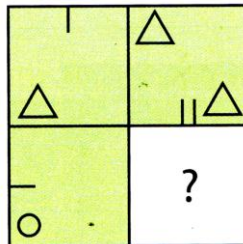
### QUESTIONS

**Direction (1 - 22):** In each of the following questions, identify which one of the alternative figures completes the pattern in the given matrix.

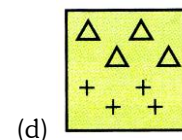
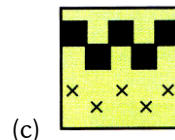
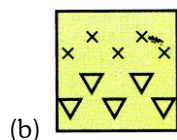
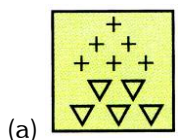
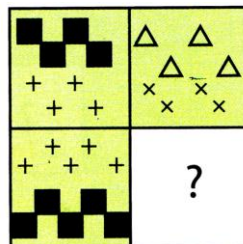
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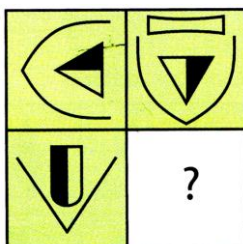
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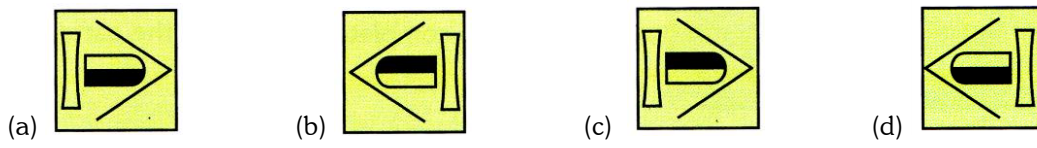


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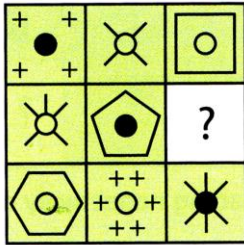


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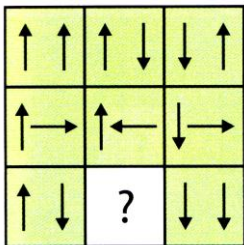




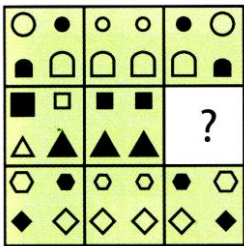
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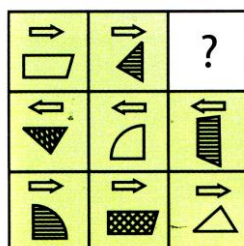
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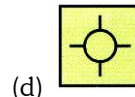
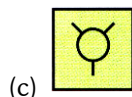
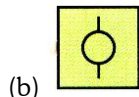
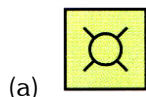
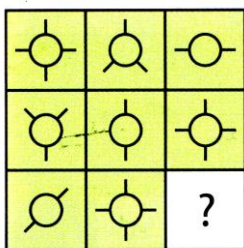
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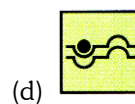
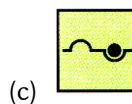
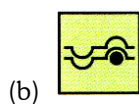
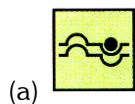
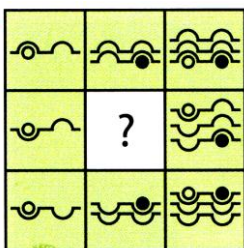
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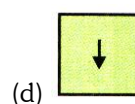
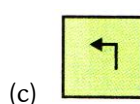
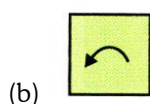
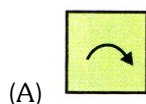
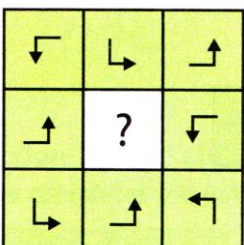
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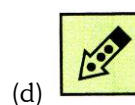
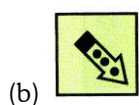
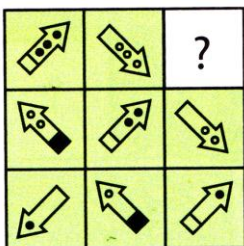
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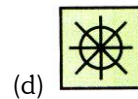
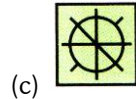
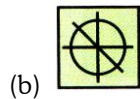
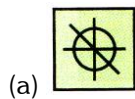
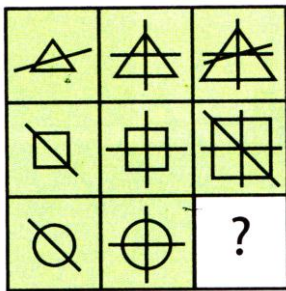
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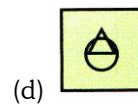
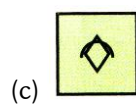
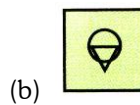
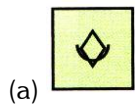
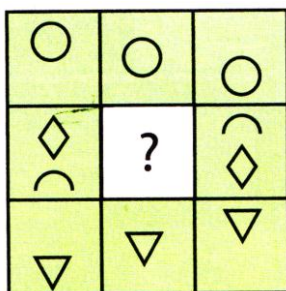
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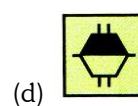
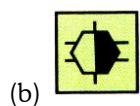
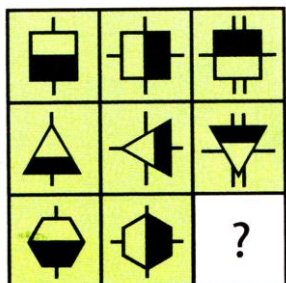
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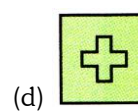
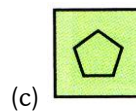
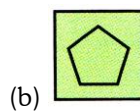
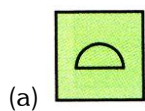
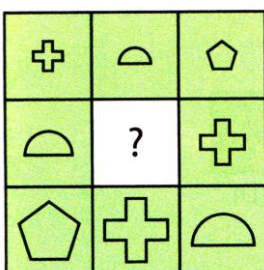
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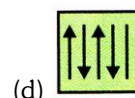
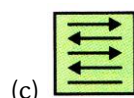
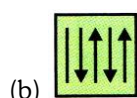
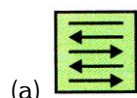
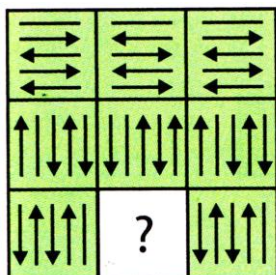
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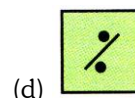
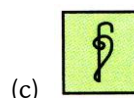
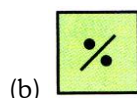
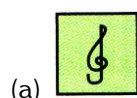
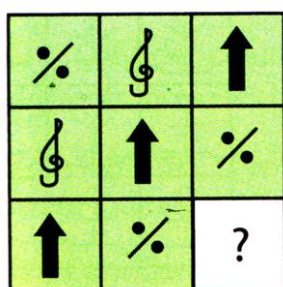
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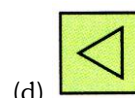
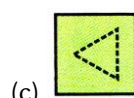
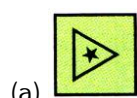
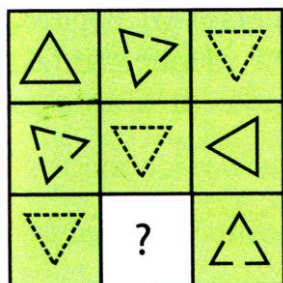
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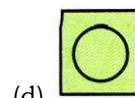
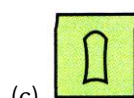
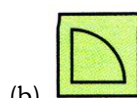
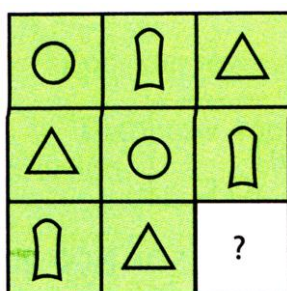
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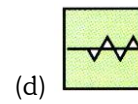
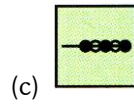
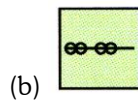
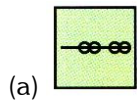
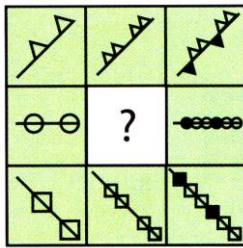


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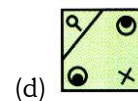
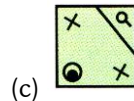
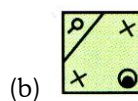
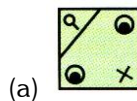
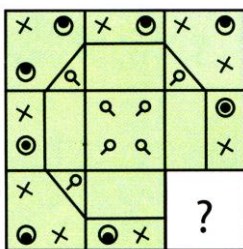




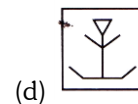
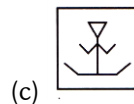
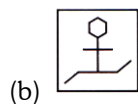
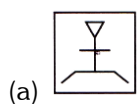
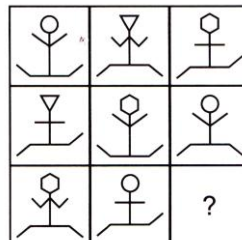
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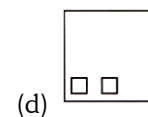
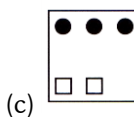
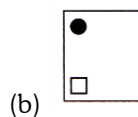
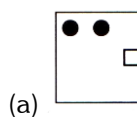
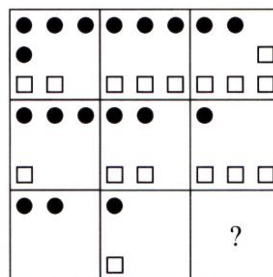
22.



23. Which of the following options will replace the question mark in the figure matrix?



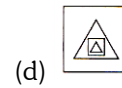
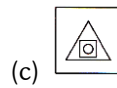
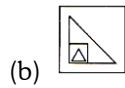
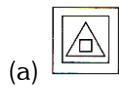
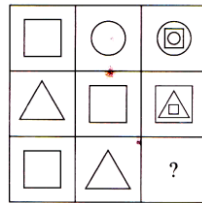
24. Which of the following figures will complete the given figure matrix?



(SOF NCO 2017)

25. Which of the following figures will complete the given figure matrix?

(SOF NSO 2017)



ANSWER - KEY				
1. D	2. A	3. B	4. C	5. A
6. B	7. A	8. C	9. C	10. B
11. C	12. D	13. B	14. C	15. D
16. C	17. D	18. A	19. D	20. A
21. A	22. A	23. D	24. D	25. D

## EXPLANATIONS

1. (d): Horizontally second largest-enclosed shape changes from black to white,
2. (a) Not Available
3. (b) : Consider column-wise. Each type of elements increases by one.
4. (c) : Consider row-wise. First the whole figure rotates anticlockwise by  $90^\circ$ .
5. (a); Consider horizontally.
6. (b) : In each column, the second figure is obtained by rotating the right arrow of the first figure by  $90^\circ$  clockwise. The same reason is for third figure,
7. (a): Consider row-wise.
8. (c) Consider horizontally.
9. (c): The circles in each row occur with two three and four bars.
10. (b): Consider row-wise.
11. (c) : Each row represents anticlockwise direction.
12. (d); In each row, the figure rotates through  $90^\circ$  clockwise at each stage.
13. (b); In each row, the third figure consists of the rest two figure but in larger size.
14. (c): Consider horizontally.
15. (d) : In each row, the every next figure is rotated by  $90^\circ$  in anticlockwise sense.
16. (c) : The required figure should be pentagon of medium size.
17. (d) : In each row, each arrow reverses its direction and the bar remains as it is.
18. (a): Each row or column contains the same set of figures.
19. (d) : In each row, the sequence of the triangle is dotted, enclosed, broken, dotted,.....
20. (a) : The same figures are in each row or column.
21. (a): In each row, the elements on the line segment increase in counting by two in each stage.
22. (a) Not Available
23. (d) Not Available
24. (d) Not Available
25. (d) Not Available