QUESTIONS

Direction (1-12): In each of the following questions, find out which of the options completes the figure matrix.

1.

(a)   (b)   (c)   (d)

2.

(a)   (b)   (c)   (d)

3.

(a)   (b)   (c)   (d)

4.
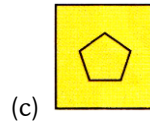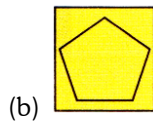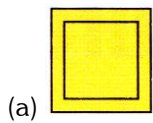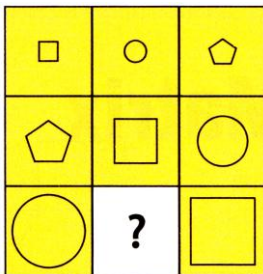
(a) 1 2   (b) 1 2   (c) 1 2   (d) 2 1

5.

(a)   (b)   (c)   (d)

6.

(a)   (b)   (c)   (d)

7.

(a)   (b)   (c)   (d)

8.

(a) (b) (c) (d)

9.

(a) (b) (c) (d)

10.

(a) (b) (c) (d)

11.

(a)   (b)   (c)   (d)

12.

(a)   (b)   (c)   (d)
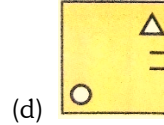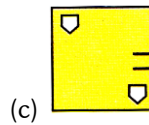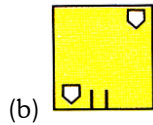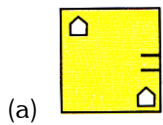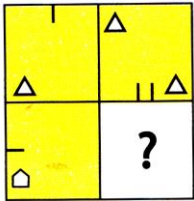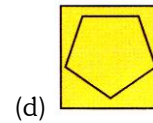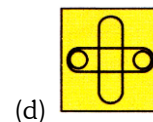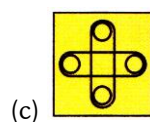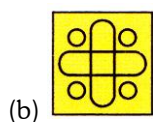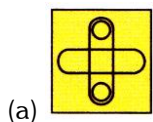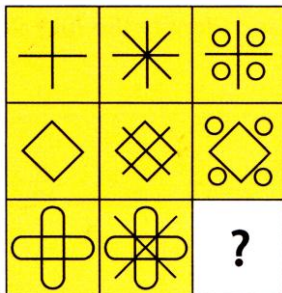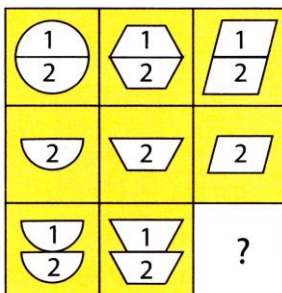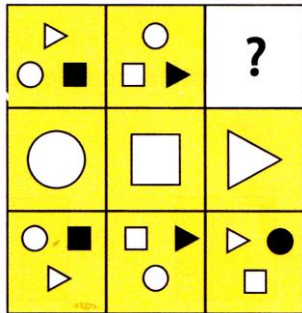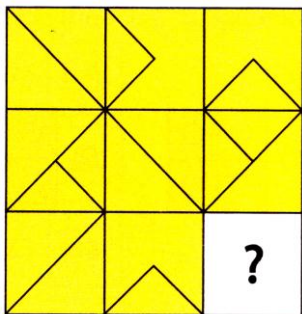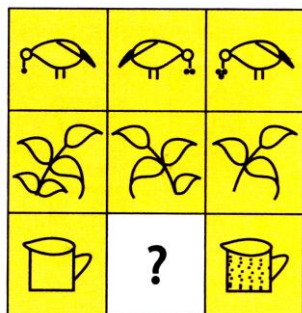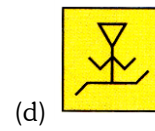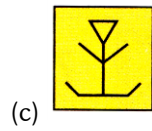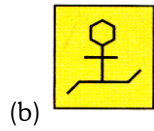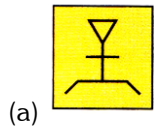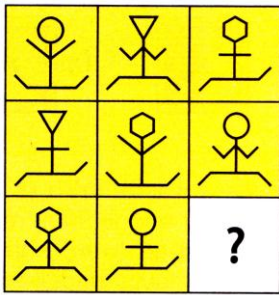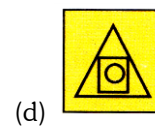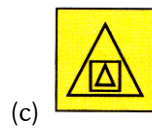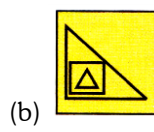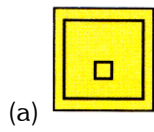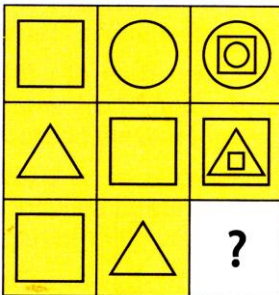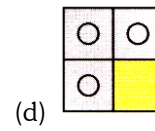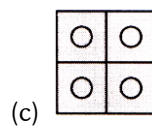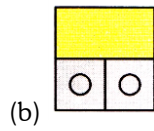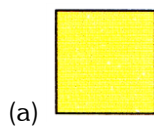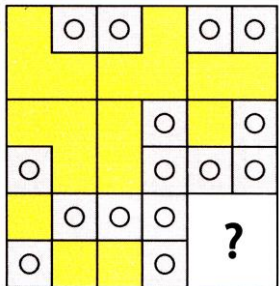
13. Select a figure from the options which will complete the given figure matrix. **(SOF IMO 2016)**

(a)   (b)   (c)   (d)
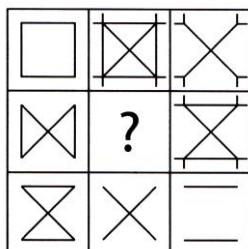
14. Find the missing figure in the given figure matrix. **(SOF NSO 2017)**

(a)   (b)   (c)   (d)
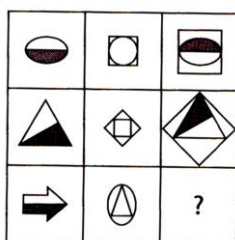
15. Select a figure from the options that will complete the following figure matrix. **(SOF IMO 2017)**

(a)   (b)   (c)   (d)

5
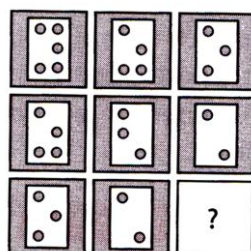
ANSWER - KEY									
1.	A	**2.**	B	**3.**	B	**4.**	C	**5.**	C
6.	A	**7.**	D	**8.**	C	**9.**	C	**10.**	C
11.	A	**12.**	D	**13.**	B	**14.**	A	**15.**	A

EXPLANATIONS

1. (a): Consider row-wise. The bar doubles in number and then stick to the opposite side. The other element doubles in number and shifts equally to the corners of opposite diagonal.

2. (b):-Each row has the same set of figures but of different sizes.

3. (b): In each row, 3rd figure is obtained from the 1st figure by adding four circles outside the main figure.

4. (c): In each column, the 3rd figure is obtained by vertically inverting the upper part of 1st figure.
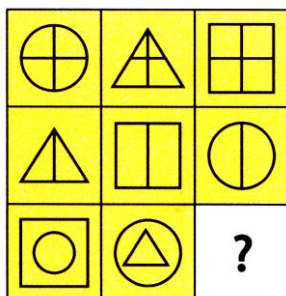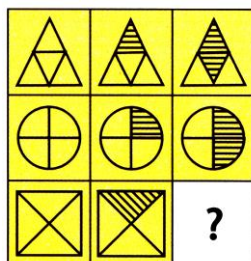
5. (c): In each column, the top and bottom figures are the water images of each other.

6. (a): The 3rd figure in each row is the uncommon parts of lines in first two figures.

7. (d): The number of components are either increasing or decreasing from left to right and the whole figure is horizontally inverted in each next step.

8. (c) Not Available

9. (c): In each row, 3rd figure is made by first two figures.

10. (c): In each row/column, the 3rd figure is the combination of the 1st and 2nd figure.

11. (a) Not Available

12. (d): In each row, 2nd and 3rd figures are obtained by shading respectively one and two of the four parts of the 1st figure.

13. (b) Not Available

14. (a) Not Available

15. (a) Not Available