

Paper Folding and Cutting

REASONING
WORKBOOK

QUESTIONS

Direction (1-9): In each of the following questions a transparent sheet Fig. (X) with a pattern and a dotted line on it is given. If the sheet has to be folded along the dotted line, then which one of the alternative figures (a), (b), (c), (d) would represent the pattern on the folded sheet.

1.

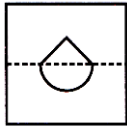
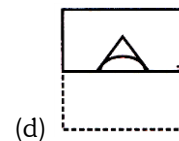
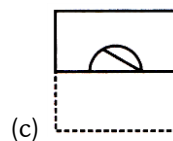
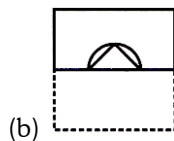
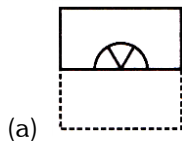


Fig. (X)



2.

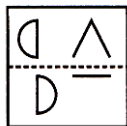
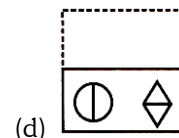
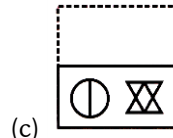
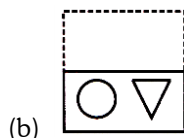
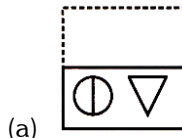


Fig. (X)



3.

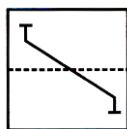
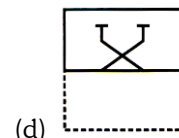
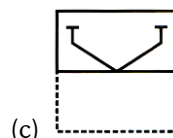
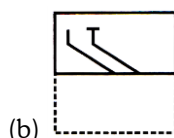
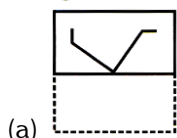


Fig. (X)



4.

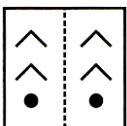
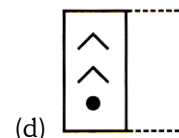
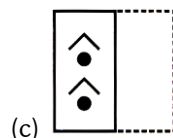
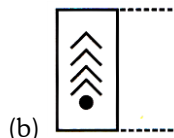
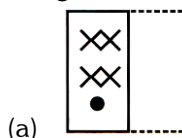


Fig. (X)



5.

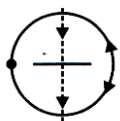






Fig. (X)

6. (a)  (b)  (c)  (d) 

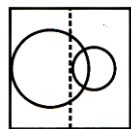
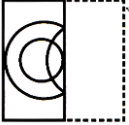
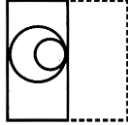
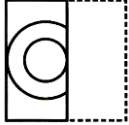
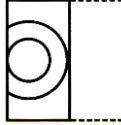


Fig. (X)

7. (a)  (b)  (c)  (d) 

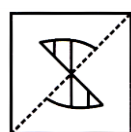
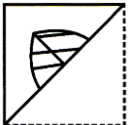
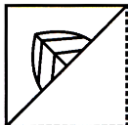
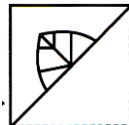
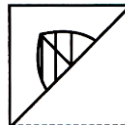


Fig. (X)

8. (a)  (b)  (c)  (d) 

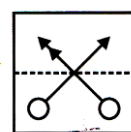
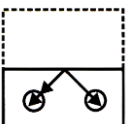
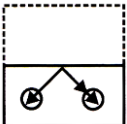
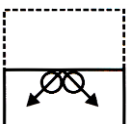
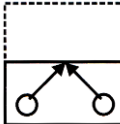


Fig. (X)

9. (a)  (b)  (c)  (d) 

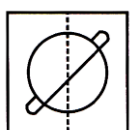
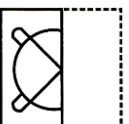
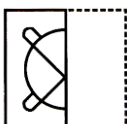
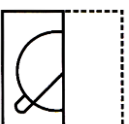
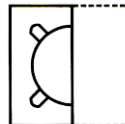
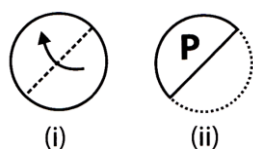







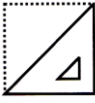
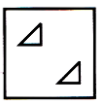
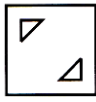
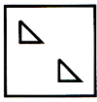
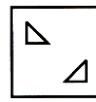
Fig. (X)

10. (a)  (b)  (c)  (d) 

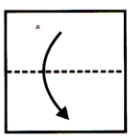
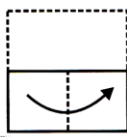
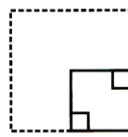
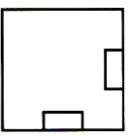
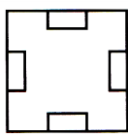
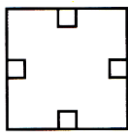
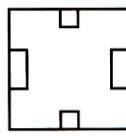
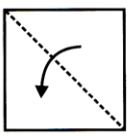
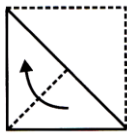
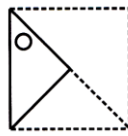
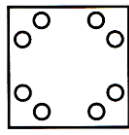
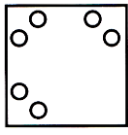
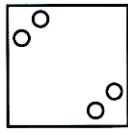
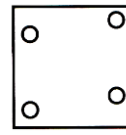
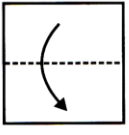
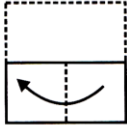
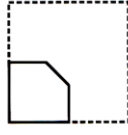
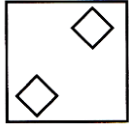
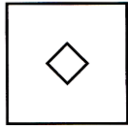
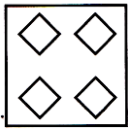
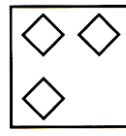
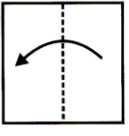
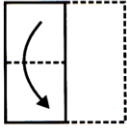
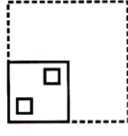
Direction (10-11): In each of the following questions, the figure (i) shows the folding of the sheet of a paper along the dotted line and figure (ii) shows that a punch is made on the folded sheet. If hence the sheet is unfolded, which of the alternative figures (a), (b), (c), (d) would show the unfolded form?

10.

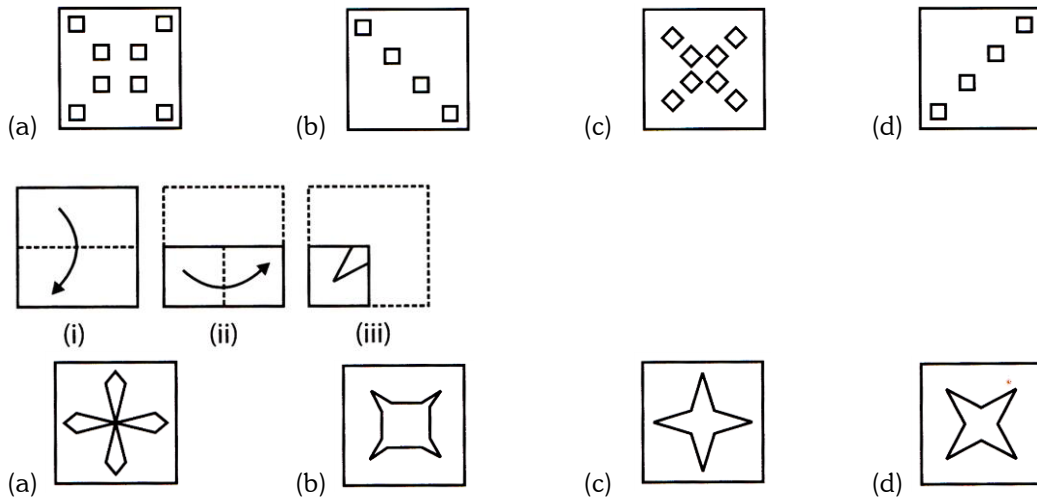


11. (a)  (b)  (c)  (d) 
- (i)  (ii) 
- (a)  (b)  (c)  (d) 

Direction (12-16): In each of the following questions, there are three figures (i), (ii) and (iii) showing a sequence of folding a sheet of paper. Out of them figure (iii) shows the manner in which the folded paper has been cut out. If hence the sheet is unfolded absolutely, which of the alternative figures (a), (b), (c), (d) would show the unfolded form?

12. (i)  (ii)  (iii) 
- (a)  (b)  (c)  (d) 
13. (i)  (ii)  (iii) 
- (a)  (b)  (c)  (d) 
14. (i)  (ii)  (iii) 
- (a)  (b)  (c)  (d) 
15. (i)  (ii)  (iii) 

16.

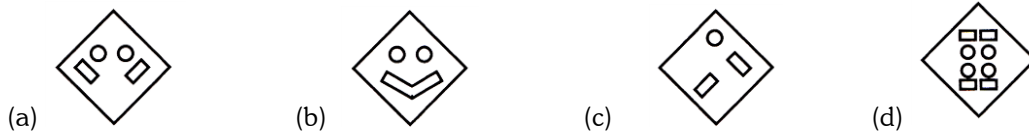


Direction (17 -18): Each of the following questions consists of a Fig. (X) that shows the manner in which a sheet of paper has been folded either once or more than once and hence has been cut. You have to select a figure out of four alternatives that would show the pattern like as the given figure (sheet) is unfolded absolutely.

17.



Fig. (X)



18.

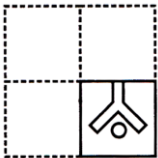
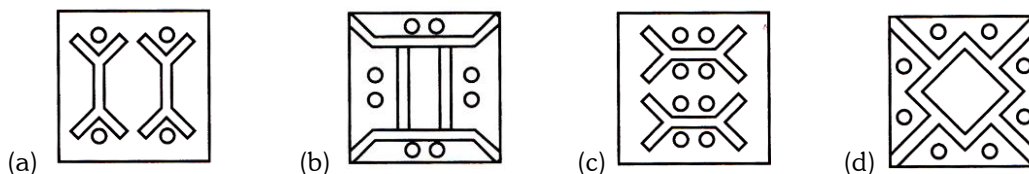
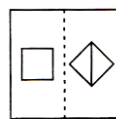


Fig. (X)



19. A square transparent sheet with a pattern is given. Select the figure from the options as to how the pattern would appear when the transparent sheet is folded along the dotted line.

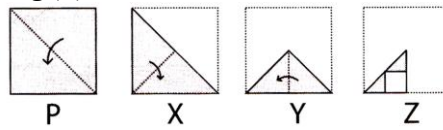
(SOF NCO 2016)



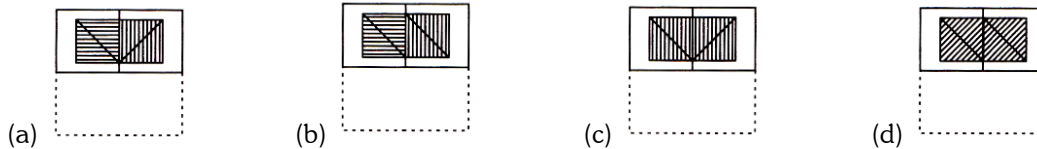
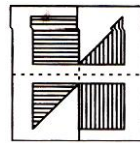
Transparent sheet



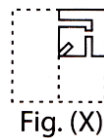
20. The question consists of a set of four figures P, X, Y and Z showing a sequence of folding of a piece of paper. Fig. (Z) shows the manner in which the folded paper has been cut. Select a figure from the options which would most closely resemble the unfolded form of Fig. (Z). **(SOF NCO 2016)**



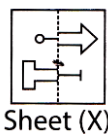
21. A square transparent sheet with a pattern on it is given. If the sheet is folded along the dotted line, then which pattern would appear from the given options? **(SOF NSO 2016)**



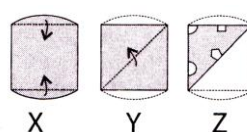
22. A sheet of paper has been folded (either once or twice) and then the folded sheet has been cut. You have to select a figure from amongst the option figures that would most closely resemble the unfolded form of Fig. (X). **(SOF IMO 2016)**



23. A square transparent Sheet (X) with a pattern on it is given. Select a figure from the options as to how the pattern would appear when the transparent sheet is folded along the dotted line. **(SOF NCO 2017)**

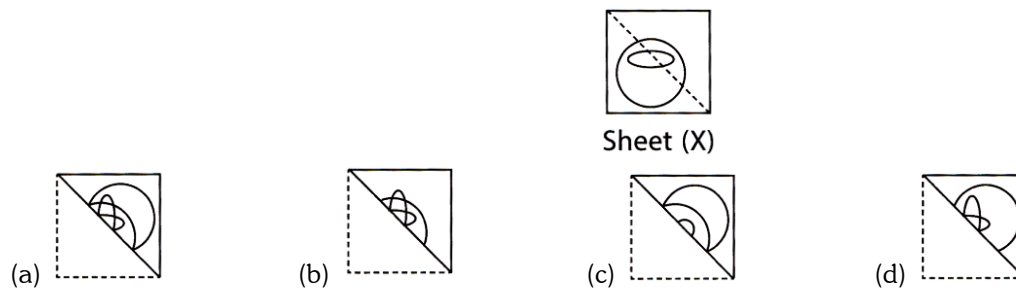


24. The question consists of a set of three figures X, Y and Z showing a sequence of folding of a piece of paper. Fig. (Z) shows the manner in which the folded paper has been cut. Select a figure from the options which would most closely resemble the unfolded form of Fig. (Z). **(SOF NSO 2017)**



- 25.** A square transparent Sheet (X) with a pattern and a dotted line on it is given. Select a figure from the options which shows the folded form of Sheet (X).

(SOF IMO 2017)



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

EXPLANATIONS

1. (b) Not Available
2. (a) Not Available
3. (c) Not Available
4. (d) Not Available
5. (c) Not Available
6. (a) Not Available
7. (c) Not Available
8. (a) Not Available
9. (b) Not Available
10. (c) Not Available
11. (b) Not Available
12. (b) Not Available
13. (c) Not Available
14. (b) Not Available
15. (a) Not Available
16. (d) Not Available
17. (a) Not Available
18. (a) Not Available
19. (a) Not Available
20. (c) Not Available
21. (a) Not Available
22. (b) Not Available
23. (a) Not Available
24. (a) Not Available
25. (a) Not Available