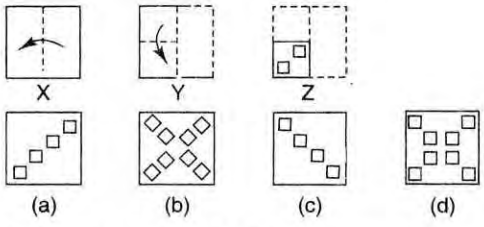
UNIT 8

Folding Paper Cutting

In this type of problems, a set of three figures showing the manner in which a piece of paper has been folded are given as X, Y and Z. In each of the first two figures X and Y, a dotted line together with an arrow on it has been given. The dotted line is the reference line along which the paper has to be folded and the arrow indicates the direction of the fold. In the third figure, there are marks showing the position and the nature of the cut made in the folded paper. The candidate has to select one of the figures from the four alternatives (a), (b), (c) and (d) which resembles the pattern when the paper is un-folded.

Example 1. Consider the following three figures X, Y and Z. There is one fold in X, another in Y and the way the paper is cut is shown in Z. From amongst the answer Figs. (a), (b), (c) and (d), select the one showing the unfolded position of Z.

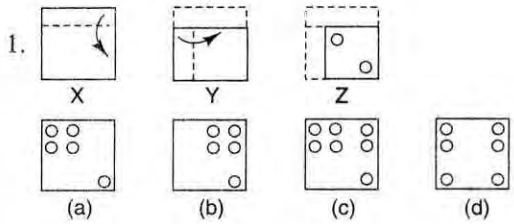


Sol: In figure X, the right half of the paper has been folded. Over the left half, in Fig. Y, the paper is folded again to a quarter square. In Fig. Z, two squares are punched in the folded paper as shown.

Clearly, the two squares will appear in each of the quarter square of the paper. Thus when the paper is unfolded, eight squares will appear over it and the figure thus resembles (d).

EXERCISE

Directions: The questions that follow contain a set of three figures X, Y and Z showing a sequence of folding of a piece of paper. Figure (Z) shows the manner in which the folded paper has been cut. These three figures are followed by four answer figures from which you have to choose a figure which would most closely resemble the unfolded form of Fig. (Z)

1. 

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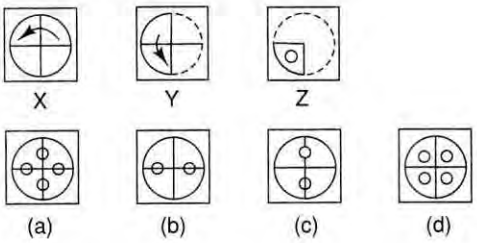

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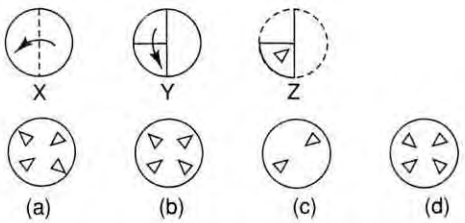

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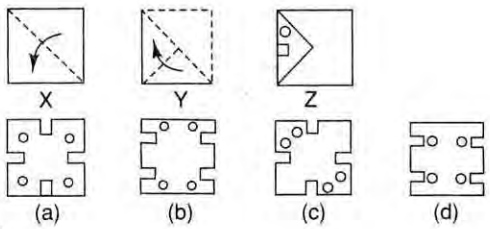

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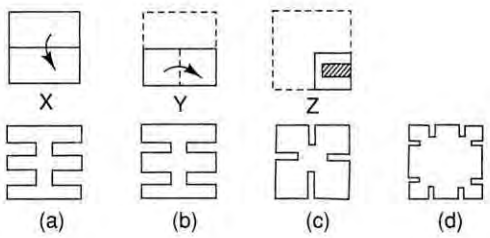

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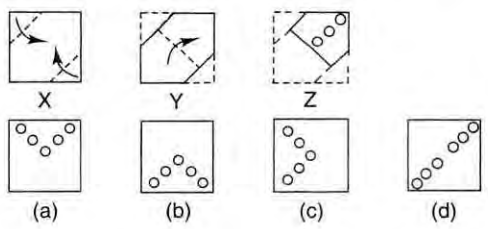

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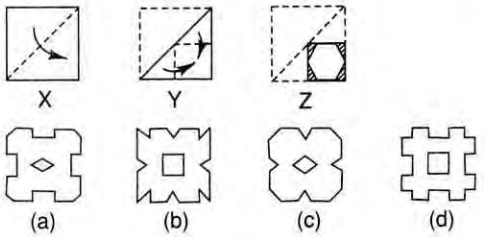

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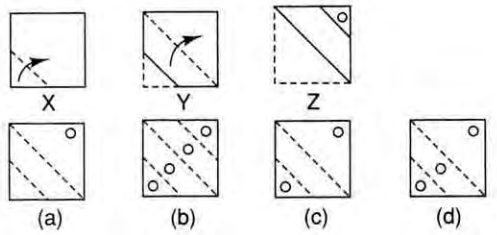

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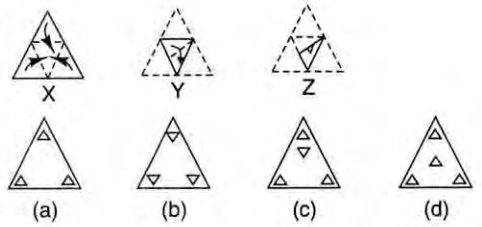

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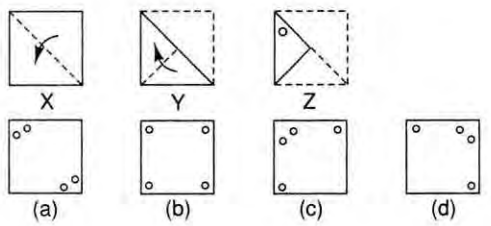

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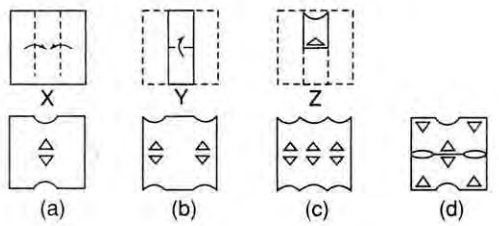

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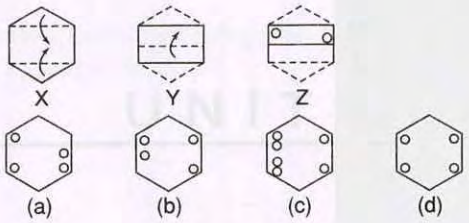

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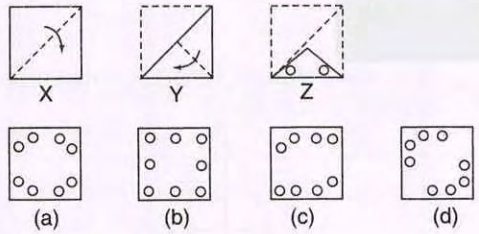

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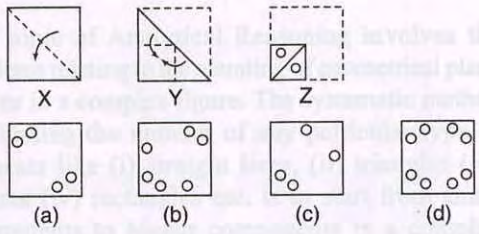

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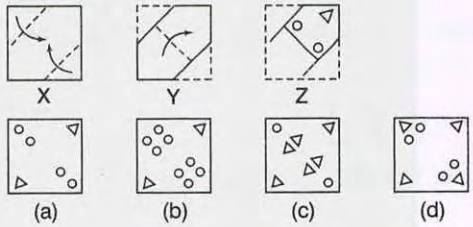

ANSWERS

1. (a)	2. (d)	3. (d)	4. (c)	5. (b)
6. (d)	7. (c)	8. (a)	9. (c)	10. (a)
11. (c)	12. (c)	13. (a)	14. (d)	15. (b)