Chapter 16

Incomplete Figure

COMPLETION OF INCOMPLETE PATTERN :

In such problems, a figure following a particular sequence or pattern is given, in which a part, usually one-fourth, is left blank. This problem figure is followed by four alternative figures. One is required to choose the one which best fits into the blank space of problem figure so as to complete the original pattern.

COMPLETION OF A SQUARE

Each problem in this topic contains five different parts numbered 1, 2, 3, 4 and 5. A square is to be constructed by selecting three parts out of five parts. The steps given below can help the candidate to do the needful:

(i) Select a piece which contains a right angle between two adjacent outer edges.

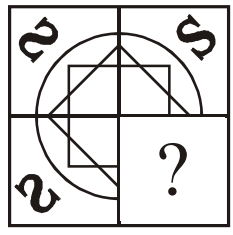
(ii) Try to fit another piece in its vacant spaces. If it does not fit, try another piece.

(iii) Repeat this system with different sets of such pieces till you are sure that the two pieces fit in each other.

(iv) Find the third piece out of the remaining three pieces to get the square complete.

ILLUSTRATION 1 :

Select a figure from the four alternatives, which when placed in the blank space of figure (X) would complete the pattern.



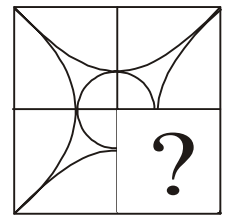
(X)

(1) (2) (3) (4)

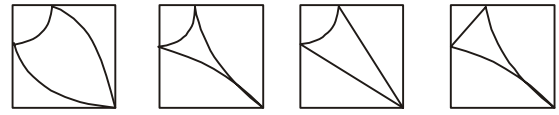
Sol. **(4)** Clearly, figure (4) will complete the pattern when placed in the blank space of figure (X) as shown below. Hence, the answer is (4).

ILLUSTRATION 2 :

Select a figure from amongst four alternatives, which when placed in the blank space of fig. (X) would complete the pattern.



(X)



(1) (2) (3) (4)

Sol. **(2)** Clearly, fig.(2) will complete the pattern when placed in the blank space of fig. (X) as shown below :

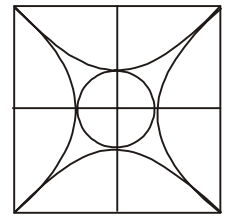
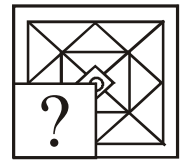
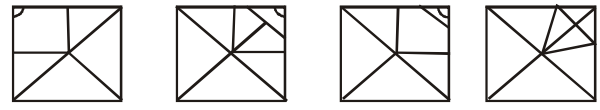


ILLUSTRATION 3 :

Complete the pattern in fig. (X) by selecting one of the figures from the four alternatives :



(X)



(1) (2) (3) (4)

Sol. Clearly fig. (2) when placed in the blank in fig. (X) will complete the pattern, as shown below :

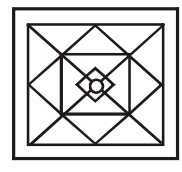
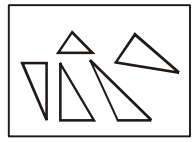
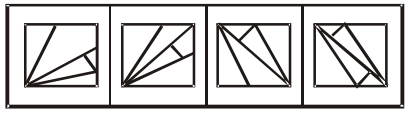


ILLUSTRATION 4 :

Find out which of the figures (1), (2), (3) and (4) can be formed from the pieces given in figure (X)



(X)

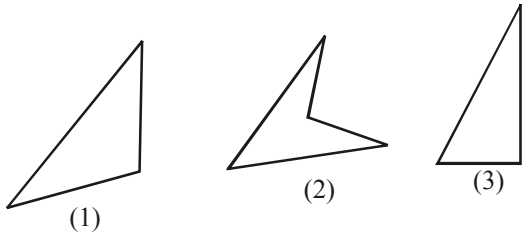


(1) (2) (3) (4)

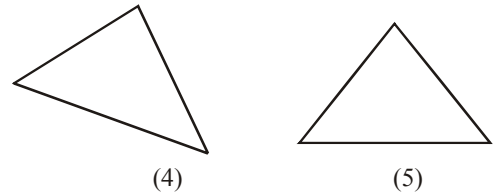
Sol. **(3)** Clearly the pieces in the figure (X) are in the figure (3). The answer is therefore (3).

ILLUSTRATION 5 :

Find three figures out of the following five figures 1, 2, 3, 4 and 5 which when fitted into each other would form a complete square.



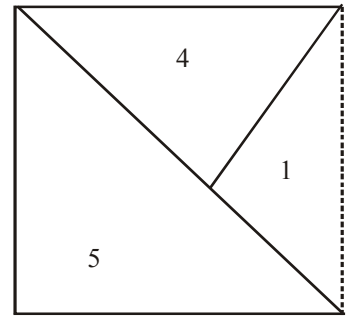
(1) (2) (3)



(4) (5)

(1) 1,3,4 (2) 1,4,5
(3) 1,2,5 (4) 1,2,4

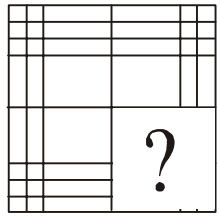
Sol. **(2)** We begin with choosing a figure having a right angle. Out of the five figures (5) seems to be having two equal sides including a right angle. Fitting along (4) with it, we have a figure as now. Looking into a vacant space, we find that out of the remaining three figures (1), (2) and (3) only fig. (1) will fit, hence the answer is (2).



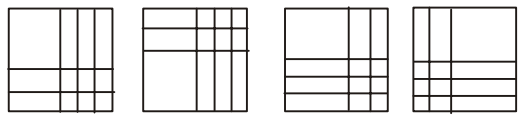
Exercise 1

DIRECTIONS (Qs. 1-13) : In each of the following questions, select a figure from the four alternatives, which when placed in the space where the question mark is shown in figure (X) would complete the figure.

1.

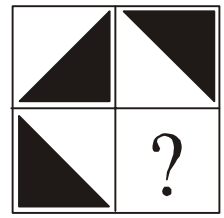


(X)

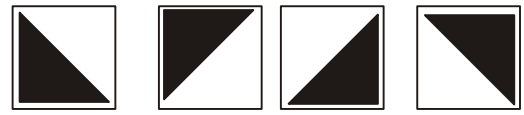


(1) (2) (3) (4)

2.

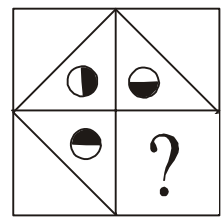


(X)

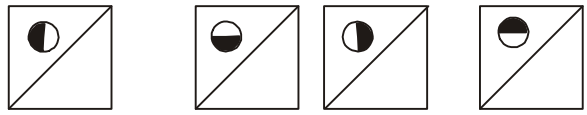


(1) (2) (3) (4)

3.

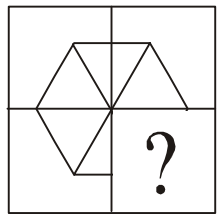


(X)

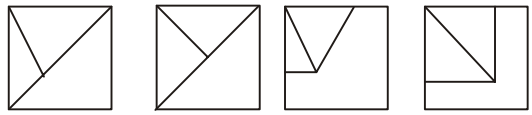


(1) (2) (3) (4)

4.

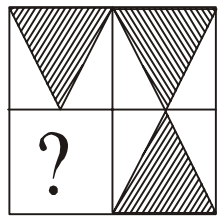


(X)

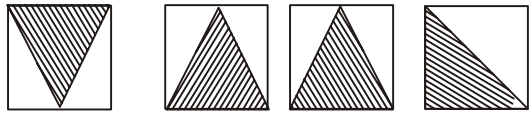


(1) (2) (3) (4)

5.

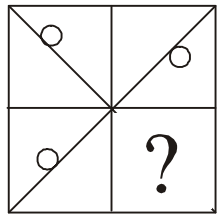


(X)

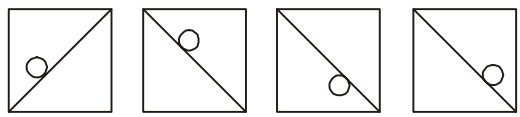


(1) (2) (3) (4)

6.

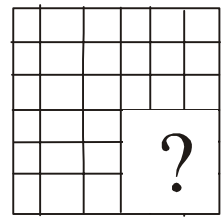


(X)

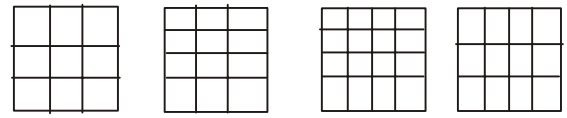


(1) (2) (3) (4)

7.

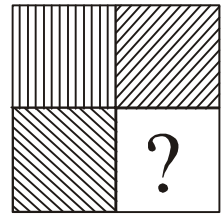


(X)

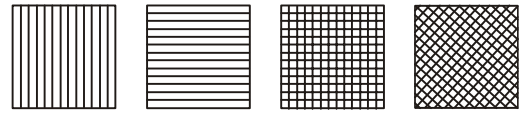


(1) (2) (3) (4)

8.

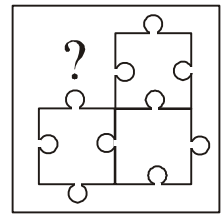


(X)

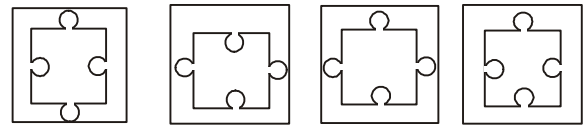


(1) (2) (3) (4)

9.

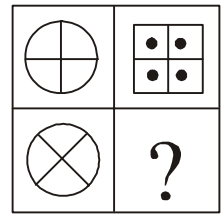


(X)

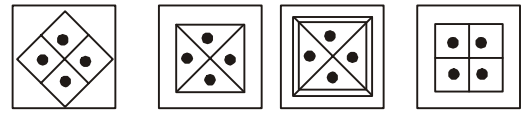


(1) (2) (3) (4)

10.



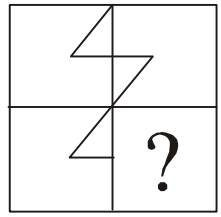
(X)



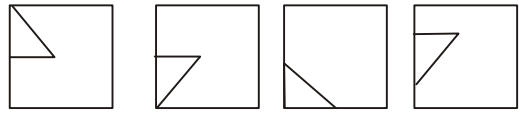
(1) (2) (3) (4)

DIRECTIONS (Qs. 14-22) : In each of the following questions, select a figure from amongst the four alternatives, which when placed in the blank space of fig. (X) would complete the pattern.

11.

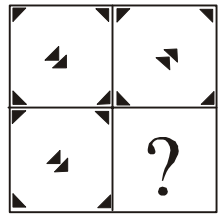


(X)

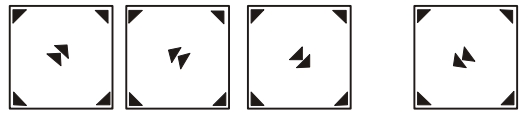


(1) (2) (3) (4)

12.

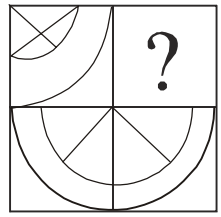


(X)

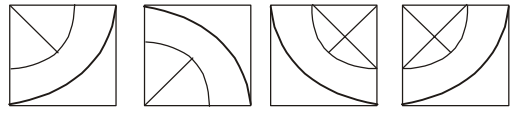


(1) (2) (3) (4)

13.

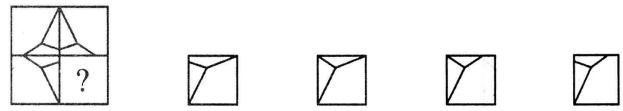


(X)



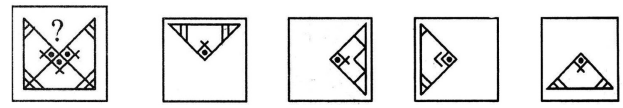
(1) (2) (3) (4)

14.



(X) (1) (2) (3) (4)

15.

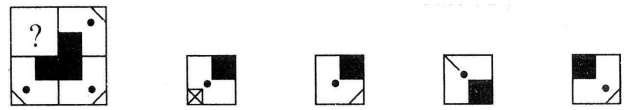


(X) (1) (2) (3) (4)

16.

(X) (1) (2) (3) (4)

17.



(X) (1) (2) (3) (4)

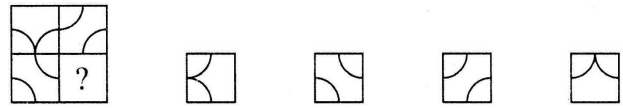
18.

(X) (1) (2) (3) (4)

19.

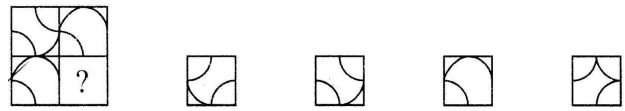
(X) (1) (2) (3) (4)

20.



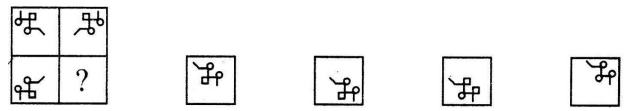
(X) (1) (2) (3) (4)

21.



(X) (1) (2) (3) (4)

22.

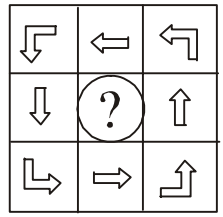


(X) (1) (2) (3) (4)

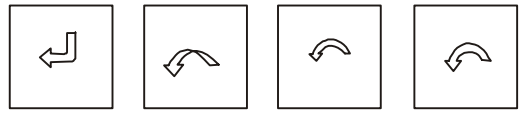
Exercise 2

DIRECTIONS (Qs. 1-2) : In each of the following questions, a figure series is given out of which the last figure is missing. Find which of the given alternatives (1), (2), (3) or (4) would complete the series.

1.

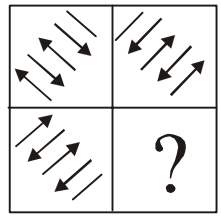


(X)

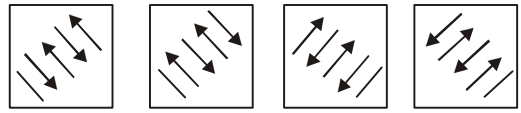


(1) (2) (3) (4)

2.



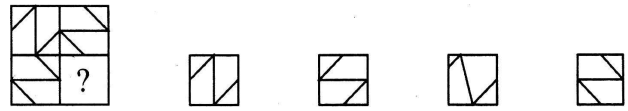
(X)



(1) (2) (3) (4)

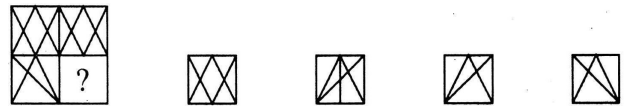
DIRECTIONS (Qs. 3-10) : In each of the following questions, select a figure from amongst the four alternatives, which when placed in the blank space of fig. (X) would complete the pattern.

3.



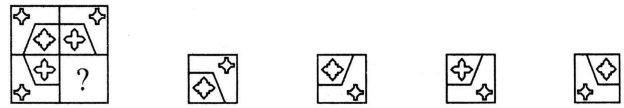
(X) (1) (2) (3) (4)

4.



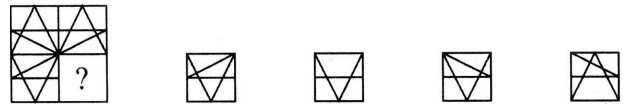
(X) (1) (2) (3) (4)

5.



(X) (1) (2) (3) (4)

6.



(X) (1) (2) (3) (4)

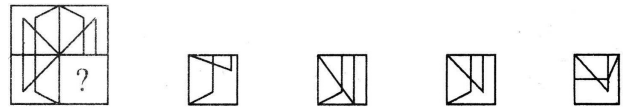
7.

(X) (1) (2) (3) (4)

8.

(X) (1) (2) (3) (4)

9.



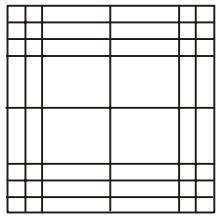
(X) (1) (2) (3) (4)

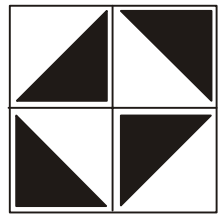
10.

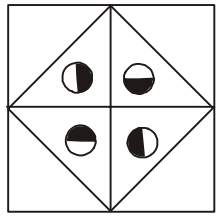
(X) (1) (2) (3) (4)

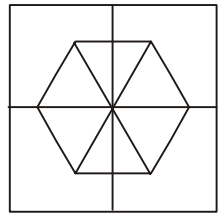
Hints & SOLUTIONS

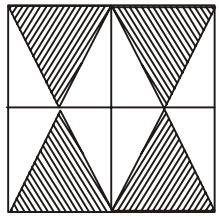
Exercise 1

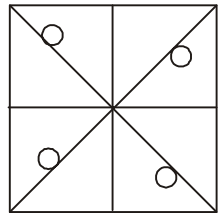
1. (3) 

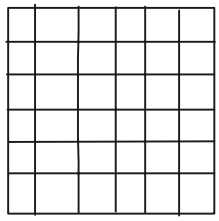
2. (2) 

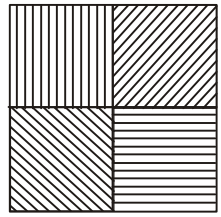
3. (1) 

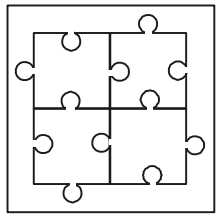
4. (3) 

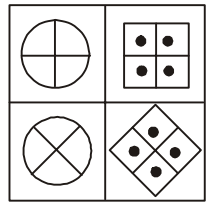
5. (3) 

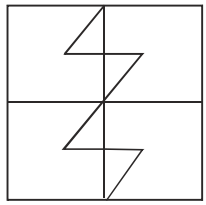
6. (3) 

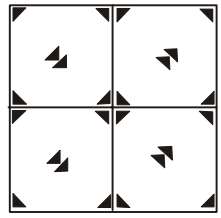
7. (1) 

8. (2) 

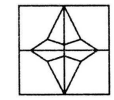
9. (2) 

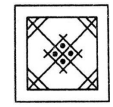
10. (1) 

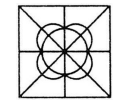
11. (2) 

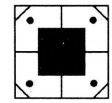
12 (1) 

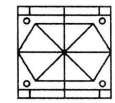
13. (3)

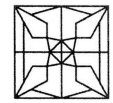
14. (4) 

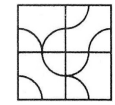
15. (4) 

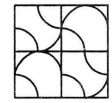
16. (3) 

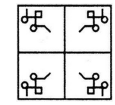
17. (4) 

18. (2) 

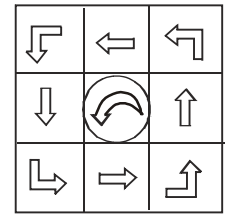
19. (3) 

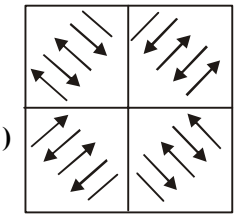
20. (1) 

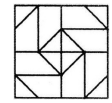
21. (2) 

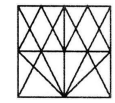
22. (2) 

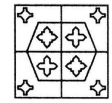
Exercise 2

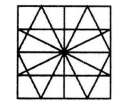
1. (4) 

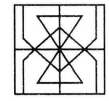
2. (1) 

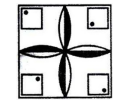
3. (1) 

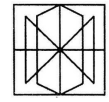
4. (3) 

5. (2) 

6. (3) 

7. (3) 

8. (3) 

9. (3) 

10. (1)