

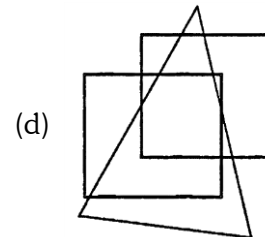
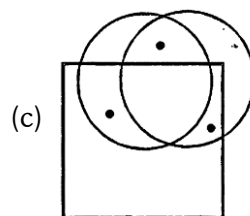
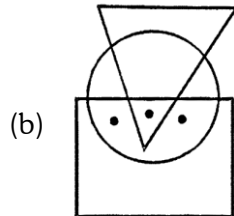
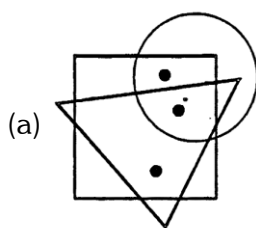
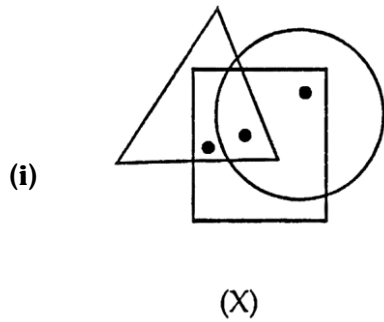
Figure Formation

Skill Based Questions

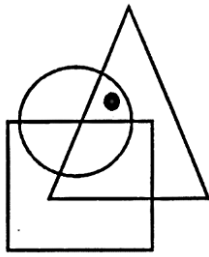
Q.1. Multiple choice questions:

Directions: Read the following questions and choose the answer that best answer the question.

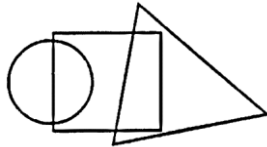
1. In each of the following questions there is a diagram (X) in which one or more points have been placed in certain positions. Examine the placement of these points carefully. From the four choices, select the one in which the placement of points is similar to that in the diagram.



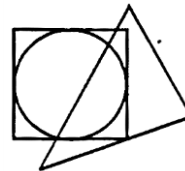
(ii)



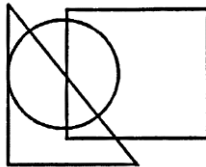
(a)



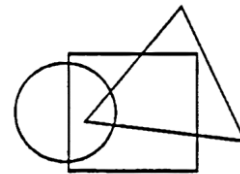
(b)



(c)



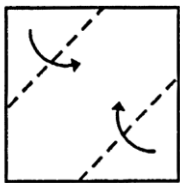
(d)



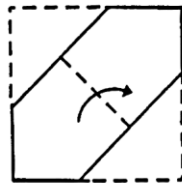
2.

In each of the following questions, a set of three figures X, Y and Z, showing a sequence in which a paper is folded and finally cut from a particular section. Below these figures a set of answer figures marked (a), (b), (c), (d) showing the design which the paper actually acquires when it is unfolded. You have to select the answer figure which most closely resembles the unfolded piece of paper.

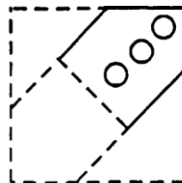
(i)



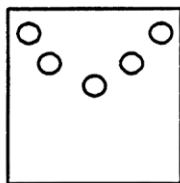
X



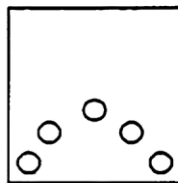
Y



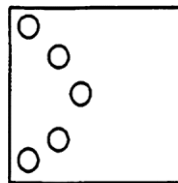
Z



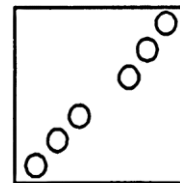
(a)



(b)



(c)



(d)

(ii)



X



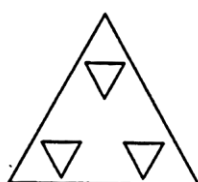
Y



Z



(a)



(b)

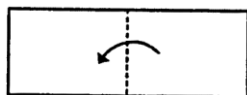


(c)

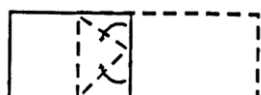


(d)

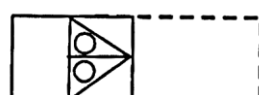
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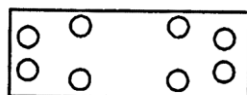
X



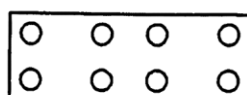
Y



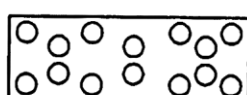
Z



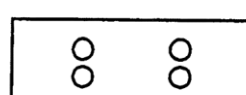
(a)



(b)

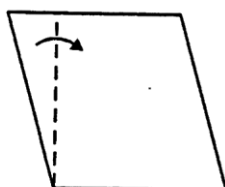


(c)

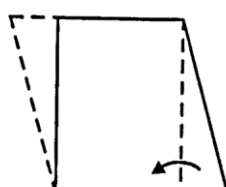


(d)

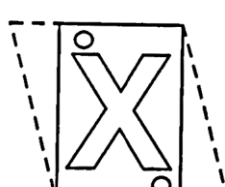
(iv)



X



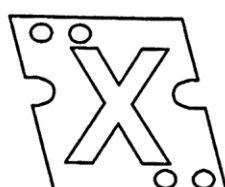
Y



Z



(a)



(b)

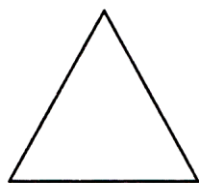


(c)

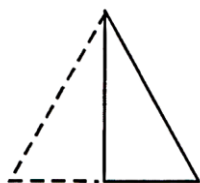


(d)

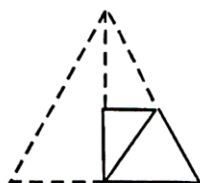
(v)



P



X



Y



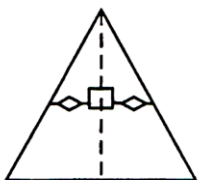
Z



(a)



(b)

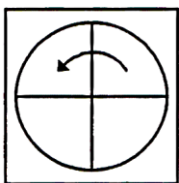


(c)

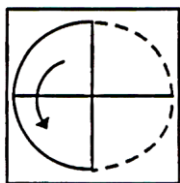


(d)

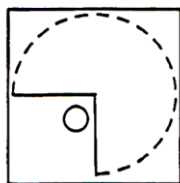
(vi)



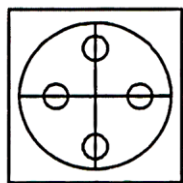
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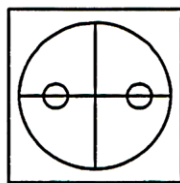
Y



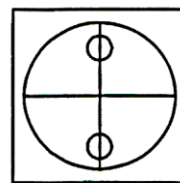
Z



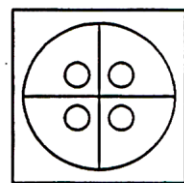
(a)



(b)

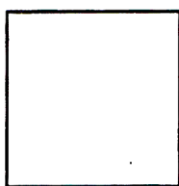


(c)

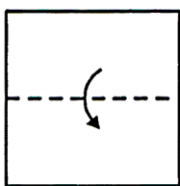


(d)

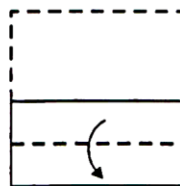
(vii)



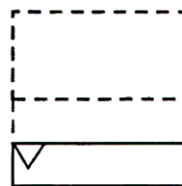
P



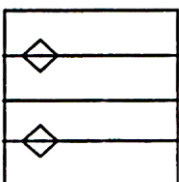
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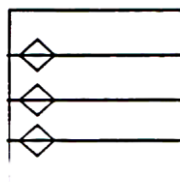
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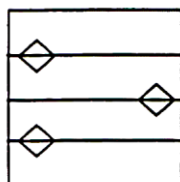
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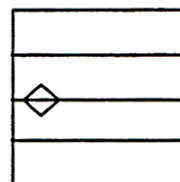
(a)



(b)

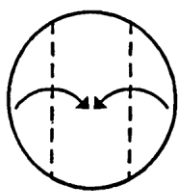


(c)

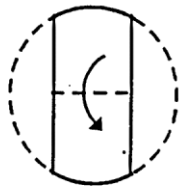


(d)

(viii)



X



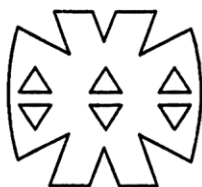
Y



Z



(a)



(b)

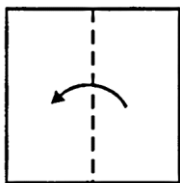


(c)

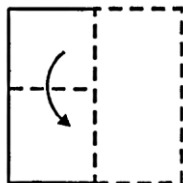


(d)

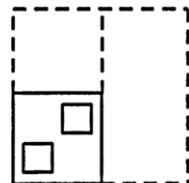
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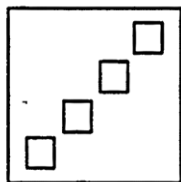
X



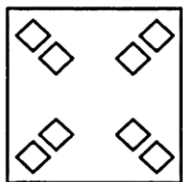
Y



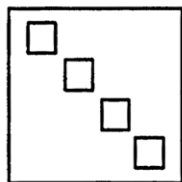
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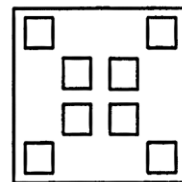
(a)



(b)

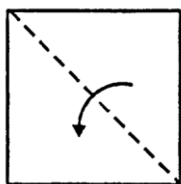


(c)

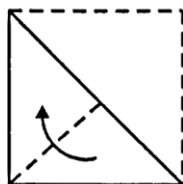


(d)

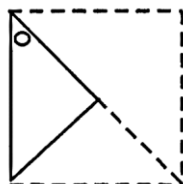
(x)



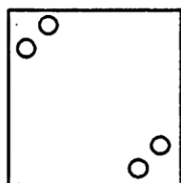
X



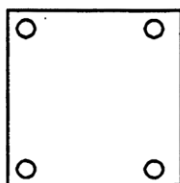
Y



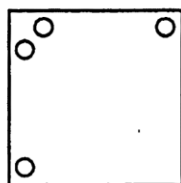
Z



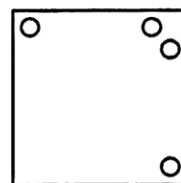
(a)



(b)



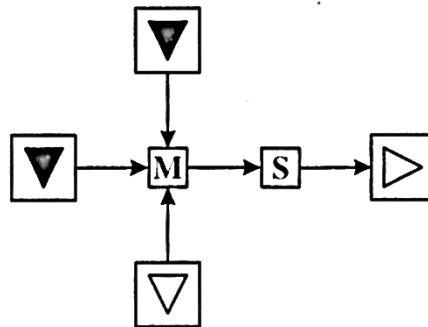
(c)



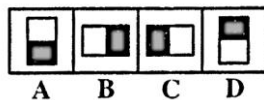
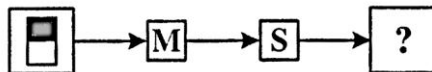
(d)

Q.2. Think without ink:

1. The functions 'M' and 'S' transform the input shapes in a certain way. You need to use the diagram to determine what effect each of these functions has. Apply them to the input shape in the questions to arrive at the correct output.



(i)

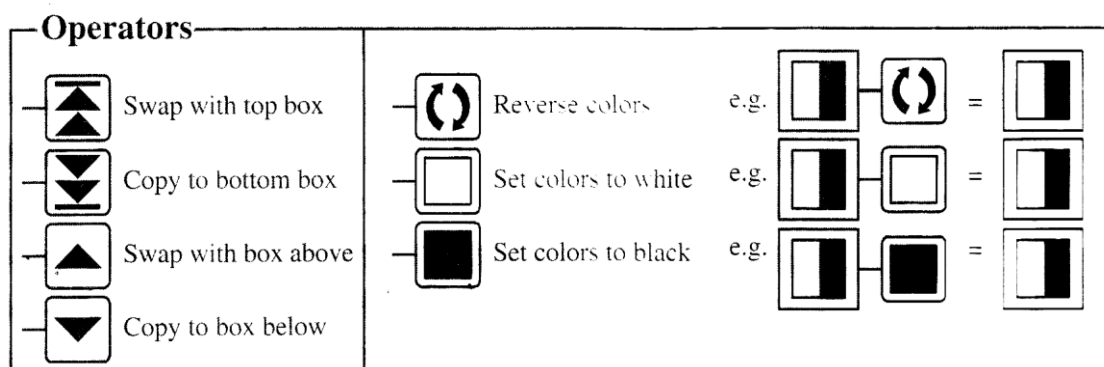


Ans.

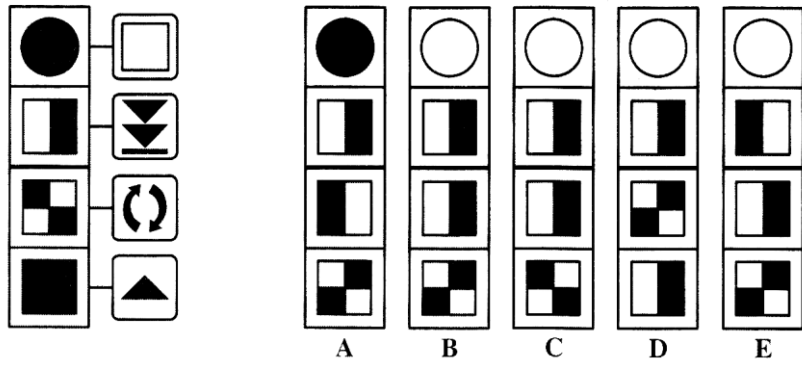
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- (ii) In the next question, the operators are defined in the first diagram. Each operator acts on the figure that it is attached to. The sequence of operations is from top to bottom. Use this information to answer the question.



Which figure results from the operations shown?

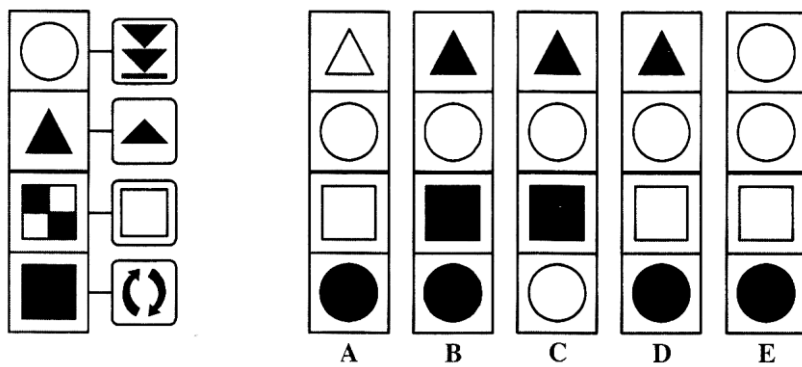


Ans.

.....

.....

(iii) Which figure results from the operations shown?



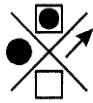
Ans.

.....

.....

- (iii) Which of the answer figures is a rotation of the questions figure?

Questions figure



A



B



C



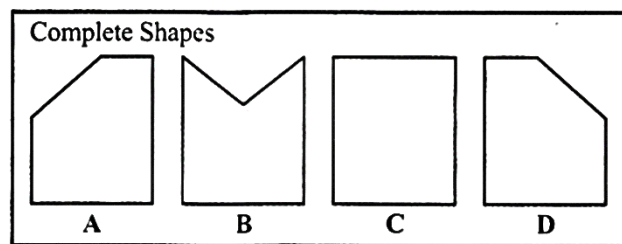
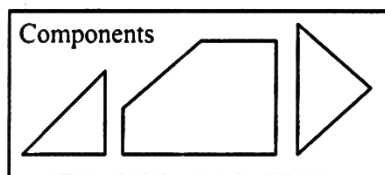
D

None of
These

E

Ans.

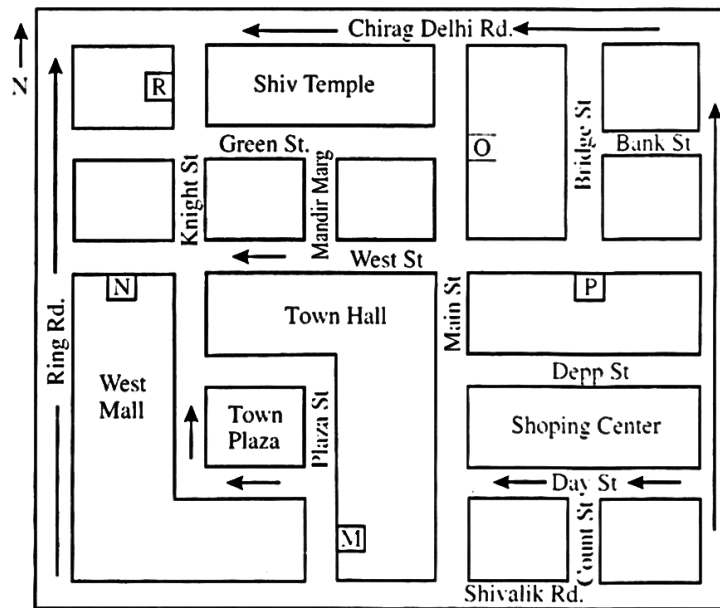
3. Which of the complete shapes A, B, C or D can be made from the components shown?



Ans.

Q.3. Map based questions:

1. Study the following map carefully and answer the questions that follow:



2. Officer Sandeep in Depp St and can see the Town Hall to his right. What direction is he facing?

Ans.

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.....

3. He turns and walks to the junction with Main St. He turns left and proceeds two blocks before turning right, then taking the next right, and walking half a block. Which location is nearest to his current position?

Ans.

.....

.....

4. Office Raina starts from location 'X' and proceeds as follows: right onto West St – heading East, fourth left - heading North, first right - heading East, first right - heading South, third right - heading West. He proceeds West for one block. Where is location 'T' in relation to his current position?

Ans.

.....

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