

GATE

ALL BRANCHES



General Aptitude

SPATIAL APTITUDE

Lecture No.- 02



By- Amulya Ratan Sir

Recap of Previous Lecture



Topic

Formation of Images



Topics to be Covered



Topic-1

Paper Folding



Topic-2

Paper Cutting



Mirror Image
Water Image

[MCQ]



#Q. Group the given figures into three classes using each figure only once.

Handwritten groupings:
2, 4, 7 (circled)
3, 5, 8 (circled)
1, 6, 9 (circled)

A

1, 3, 5 | 2, 4, 7 | 6, 8, 9

B

1, 5, 7 | 2, 3, 6 | 4, 8, 9

C

1, 6, 9 | 2, 4, 7 | 3, 5, 8

D

1, 3, 5 | 2, 6, 7 | 4, 8, 9



[MCQ]



#Q. Group the given figures into three classes using each figure only once.

1, 7, 8

2, 4, 9

3, 5, 6



Assignment

A

1, 2, 4 | 3, 5, 6 | 7, 8, 9

B

1, 3, 4 | 2, 8, 9 | 5, 6, 7

C

1, 7, 8 | 3, 5, 6 | 2, 4, 9

D

1, 7, 8 | 2, 3, 6 | 4, 5, 9

[MCQ]



#Q. Choose the figure which is different from the rest.



Assignment

A

B

C

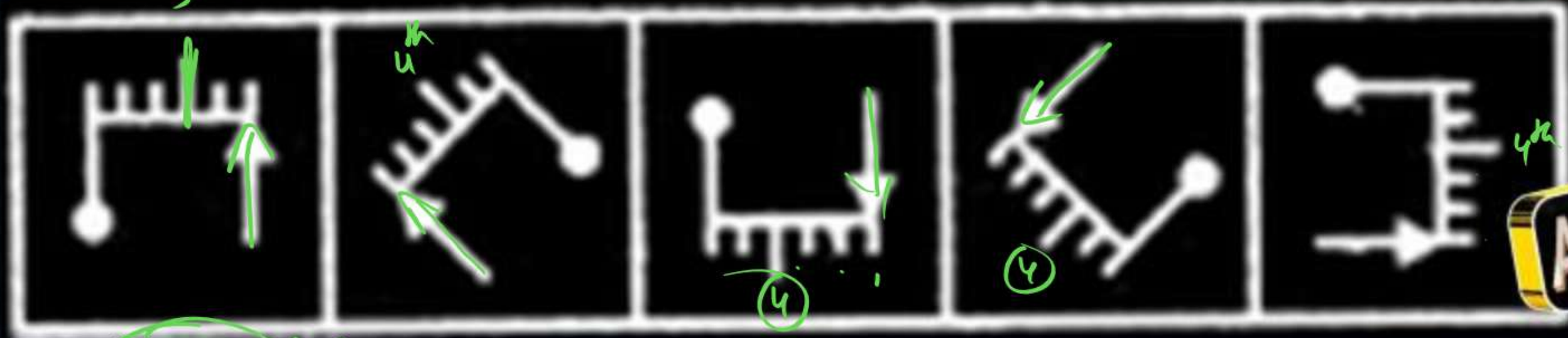
D

E

[MCQ]



#Q. Choose the figure which is different from the rest.



Assignment



[MCQ]



#Q. Choose the figure which is different from the rest.



Assignment

A

B

C

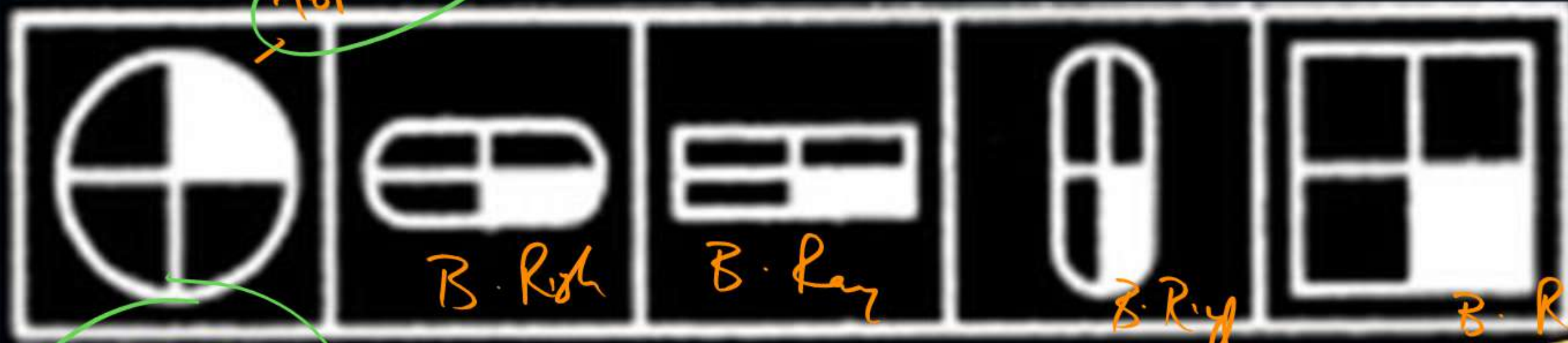
D

E

[MCQ]



#Q. Choose the figure which is different from the rest.



A

B

C

D

E

Assignment

[MCQ]



#Q. Choose the figure which is different from the rest.



A

B

C

D

E

Assignment

[MCQ]



#Q. Choose the figure which is different from the rest.



A



C

D

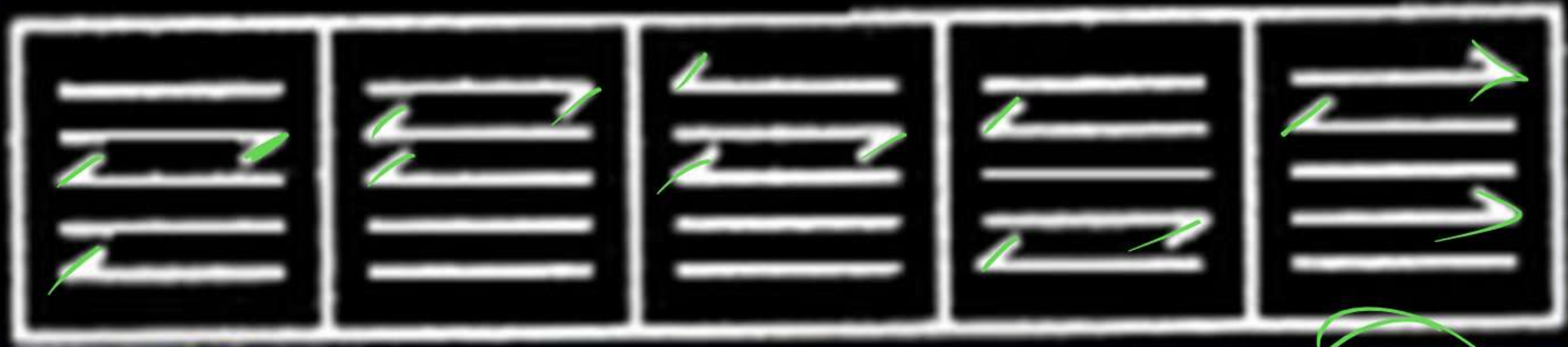
E

Assignment

[MCQ]



#Q. Choose the figure which is different from the rest.



A

B

C

D

E

Assignment

[MCQ]



#Q. Choose the figure which is different from the rest.



A

B

C

D

E

Assignment

[MCQ]



#Q. Choose the figure which is different from the rest.



A

B

C

D

E

Assignment

5, 4, 6

5, 4, 3

3, 4, 5

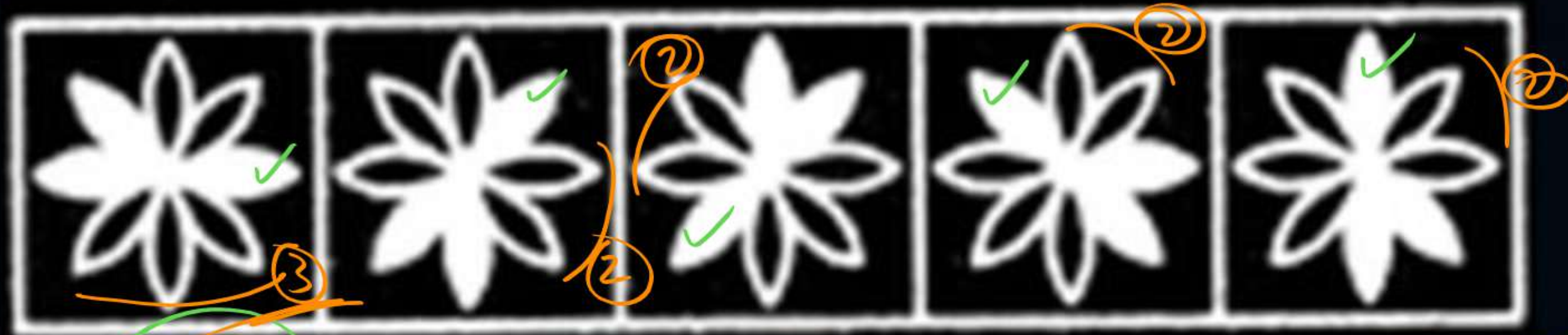
6, 5, 4

4, 5, 6

[MCQ]



#Q. Choose the figure which is different from the rest.



A

B

C

D

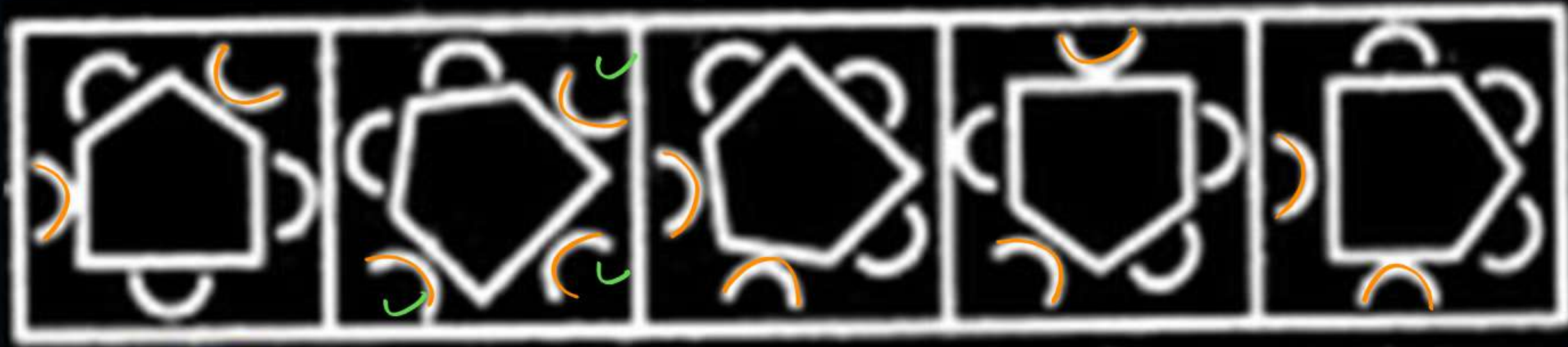
E

Assignment

[MCQ]



#Q. Choose the figure which is different from the rest.



A

2

B

3

C

2

D

2

E

2

Assignment

[MCQ]



#Q. Identify the figure that completes the pattern.

~~A~~



B



~~C~~



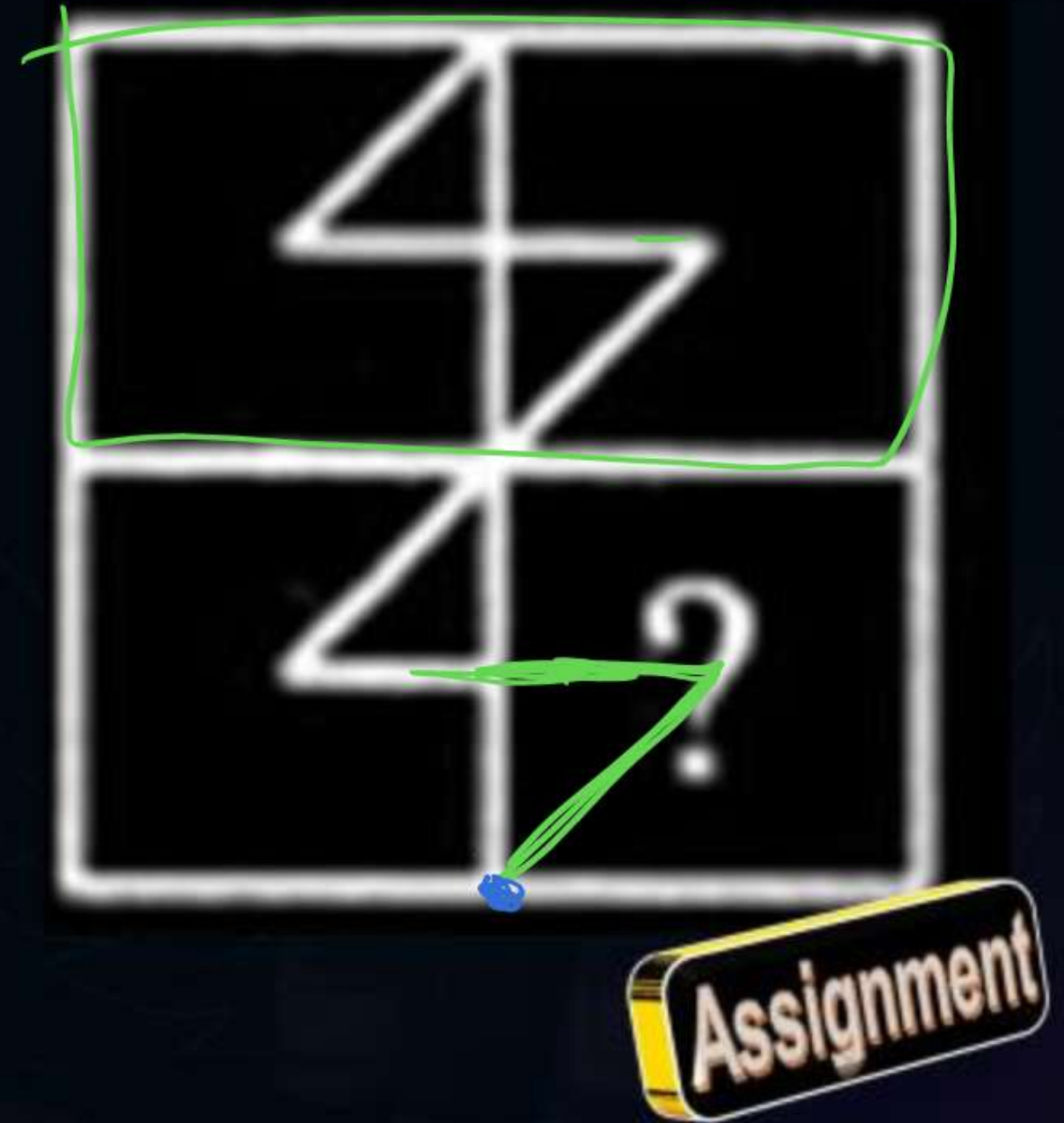
~~D~~



[MCQ]



#Q. Identify the figure that completes the pattern.



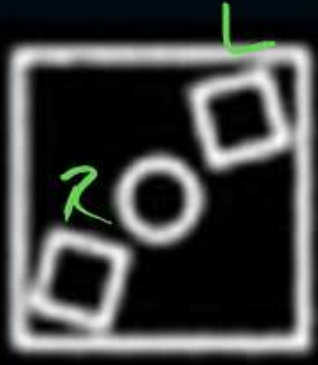
[MCQ]



#Q. Identify the figure that completes the pattern.



A



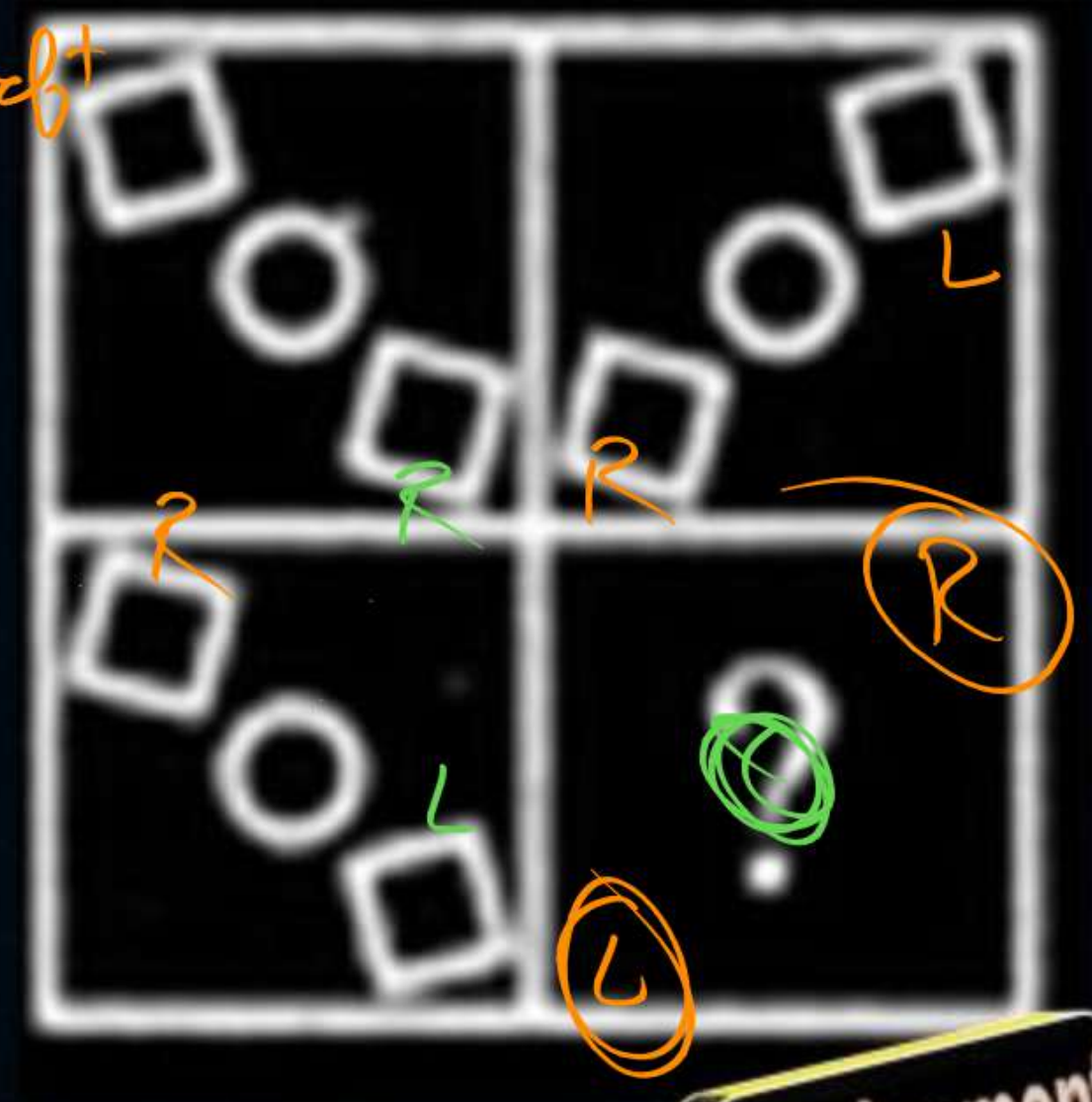
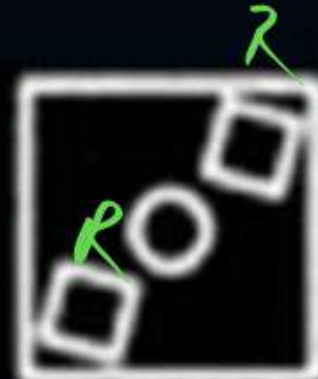
B



C



D

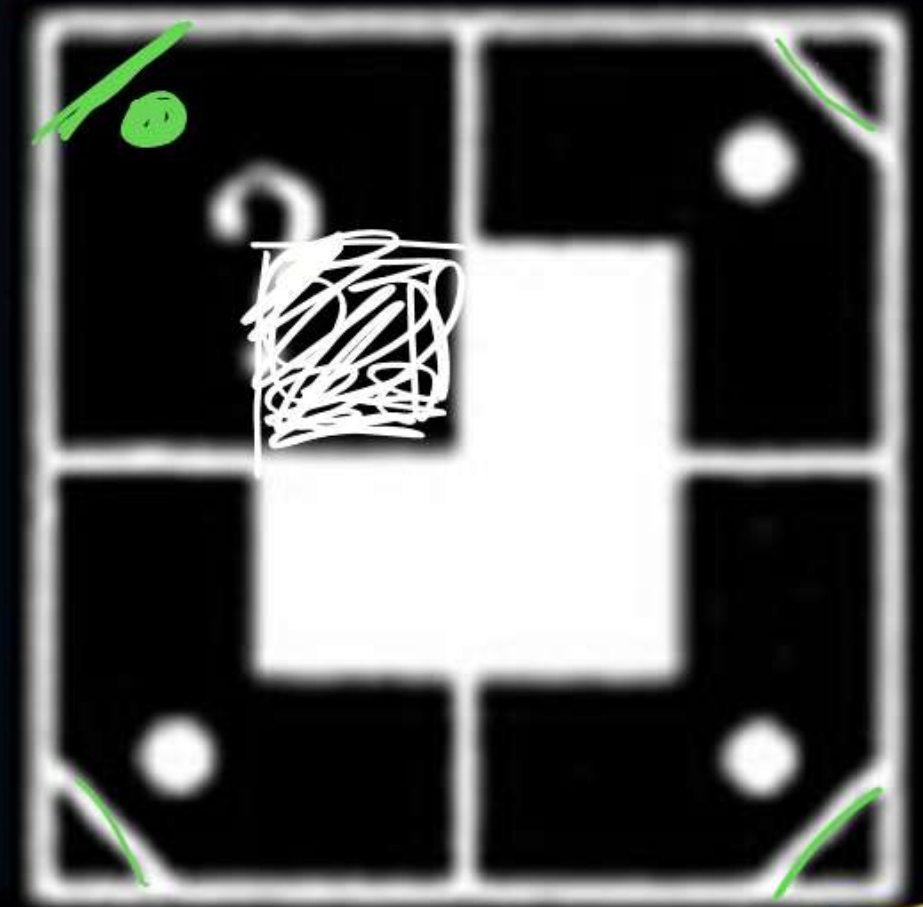


Assignment

[MCQ]



#Q. Identify the figure that completes the pattern.



A



B



C



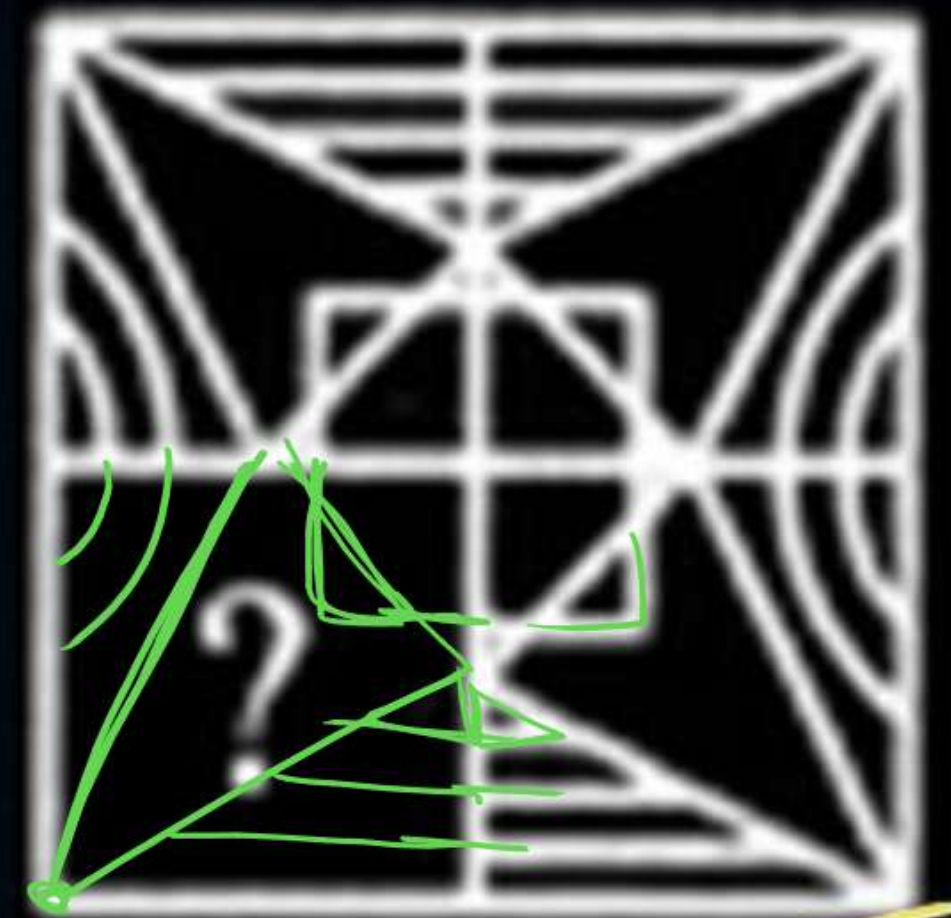
D

Assignment

[MCQ]



#Q. Identify the figure that completes the pattern.



A



B



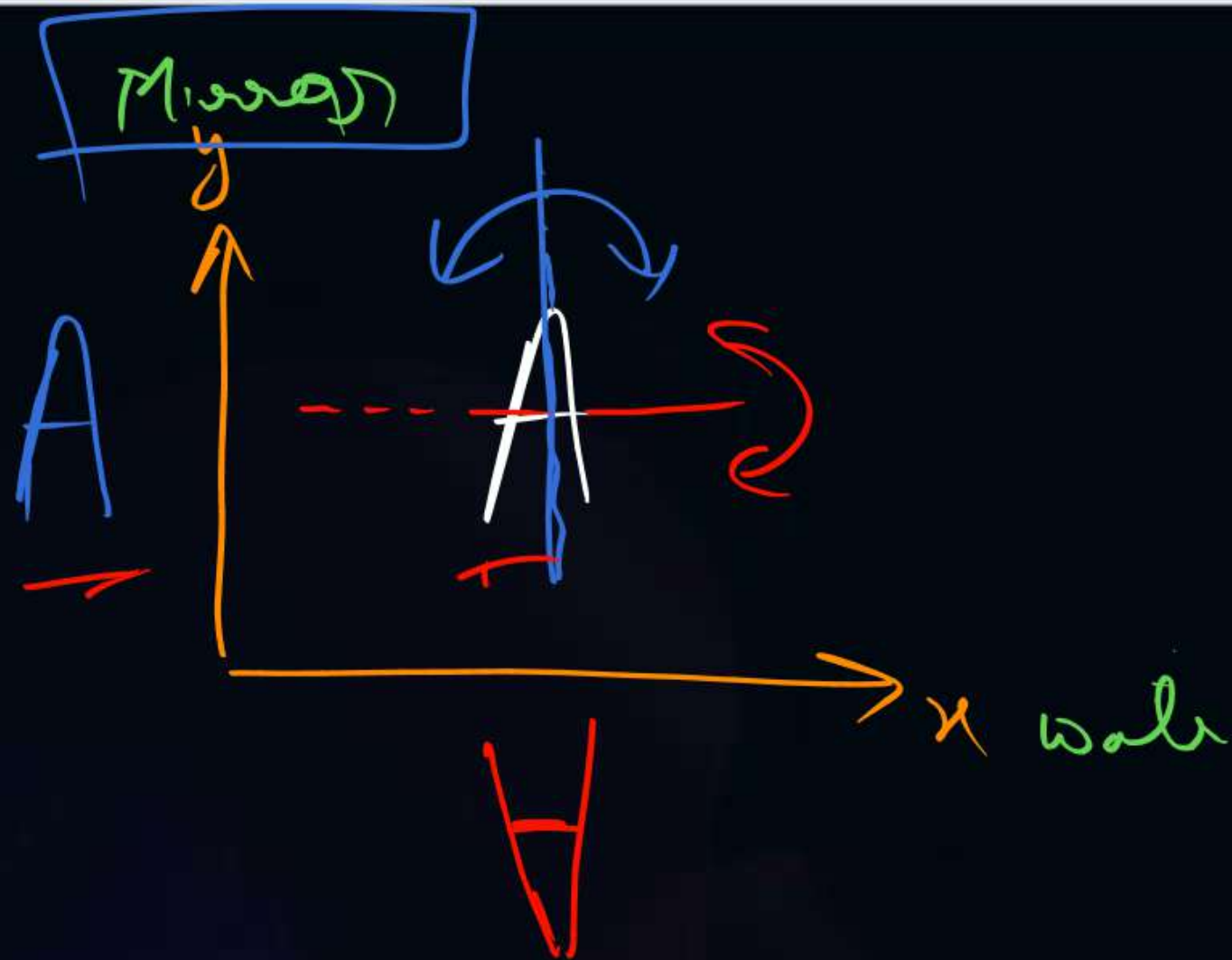
C



D

Assignment

Mirror & Water Images



A | H | I | M
 O | T | (Water) | W | X
 'x' axis Image
 'y' axis Image
 (Mirror)

Letters	Mirror Images	Letters	Mirror Images	Letters	Mirror Images
<u>A</u>	<u>A</u>	J	l	S	2
B	B	K	K	<u>T</u>	T
C	C	L	L	<u>U</u>	U
D	D	<u>M</u>	<u>M</u>	<u>V</u>	V
E	E	N	N	<u>W</u>	W
F	F	<u>O</u>	<u>O</u>	<u>X</u>	X
G	G	P	p	<u>Y</u>	Y
<u>H</u>	<u>H</u>	Q	Q	<u>Z</u>	Σ
<u>I</u>	<u>I</u>	R	R		

MIRROR IMAGE		MIRROR IMAGE	
Digits		Alphabet (Big)	
0	0	A	A
1	1	B	B
2	2	C	C
3	3	D	D
4	4	E	E
5	5	F	F
6	6	G	G
7	7	H	H
8	8	I	I
9	9	J	J
		K	K
		L	L
		M	M
		N	N
		O	O
		P	P
		Q	Q
		R	R
		S	S
		T	T
		U	U
		V	V
		W	W
		X	X
		Y	Y
		Z	Z
		a	a
		b	b
		c	c
		d	d
		e	e
		f	f
		g	g
		h	h
		i	i
		j	j
		k	k
		l	l
		m	m
		n	n
		o	o
		p	p
		q	q
		r	r
		s	s
		t	t
		u	u
		v	v
		w	w
		x	x
		y	y
		z	z

[MCQ]

#Q. Choose the alternative which is closely resembles the mirror image of the given combination.

1965 INDOPAK

1202INDOBVK

A

1965 INDOPAK

B

5891ODN1KAP

C

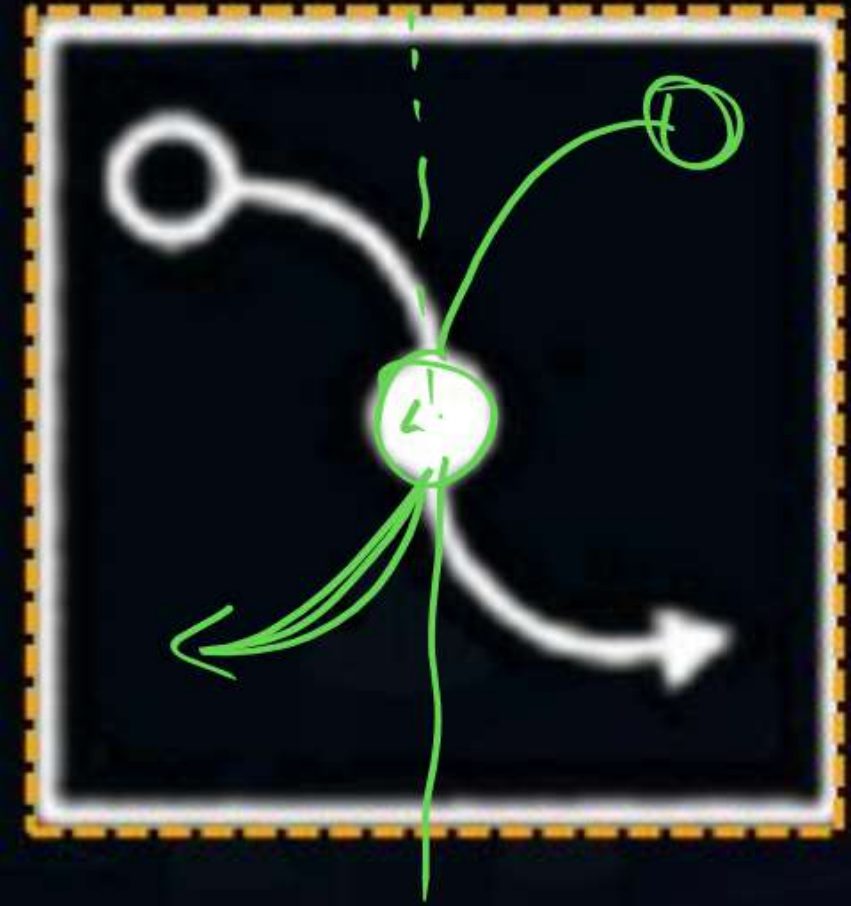
1965 INDOPAK

D

1965 INDOPAK

[MCQ]

#Q. Choose the alternative which is closely resembles the mirror image of the given combination.



[MCQ]



#Q. Choose the alternative which is closely resembles the mirror image of the given combination.

ANS43Q12

2

- A** ☒ AN243Q12
- B** ☒ 2NA34Q12
- C** ☒ 21Q342NA
- D** ☒ 12Q43AN2

[MCQ]



#Q. Choose the alternative which is closely resembles the mirror image of the given combination.

T A R A I N 1 0 1 4 A
←

POLL

- ☒ A A 1 0 1 4 T A R A I N
- ☒ B A 1 0 1 N I A R A I
- ☒ C A 1 0 1 N I A R A T
- ☒ D A 1 0 1 4 N I A R A T

[MCQ]



#Q. Choose the alternative which is closely resembles the mirror image of the given combination.

E F F E C T I V E



☒ A EVITCEFFE

☒ B EVITCEFFIE

☒ C EVITCEFFIE

☒ D EVITCEFFE

[MCQ]



#Q. Choose the alternative which is closely resembles the mirror image of the given combination.

MALAYALAM

Assignment

A

MAJAYAJAM

B

MALAYALAM

C

MAJAYAJAM

D

MAJAYAJAM

[MCQ]

#Q. Choose the alternative which is closely resembles the mirror image of the given combination.

UTZFY6KH

Assignment

- A** HK9YƆΣΤU
- B** HKθλƎΣΤU
- C** UΤΣƆλ9KH
- D** HKθYƆΣΤU

[MCQ]

#Q. Choose the alternative which is closely resembles the mirror image of the given combination.

SUPERVISOR

Assignment

- A** SUPREVISOR
- B** K20U72EPIA
- C** 2UPERVISOR
- D** 2UPERVISOR

[MCQ]



#Q. Choose the alternative which is closely resembles the mirror image of the given combination.

BR4AQ16HI

Assignment

- A** BR4AQ16HI
- B** BR4AQ16HI
- C** BR4AQ19HI
- D** BR4AQ16HI

[MCQ]



#Q. Choose the alternative which is closely resembles the mirror image of the given combination.

DL9CG4728

Assignment

A

827490910

B

DL9CG4758

C

DL9CG4758

D

827490910

[MCQ]



#Q. Choose the alternative which is closely resembles the mirror image of the given combination.

247596

Assignment

A

541200

B

247596

C

002745

D

002745

[MCQ]



#Q. Choose the alternative which is closely resembles the mirror image of the given combination.

M A G A Z I N E

Assignment

- A** ENIZAGAM
- B** ENIZAGAM
- C** MAGAZINE
- D** MAGAZINE

[MCQ]



#Q. Choose the alternative which is closely resembles the mirror image of the given combination.

Assignment



A



B



C



D



[MCQ]



#Q. Choose the alternative which is closely resembles the mirror image of the given combination.

Assignment



A



B



C



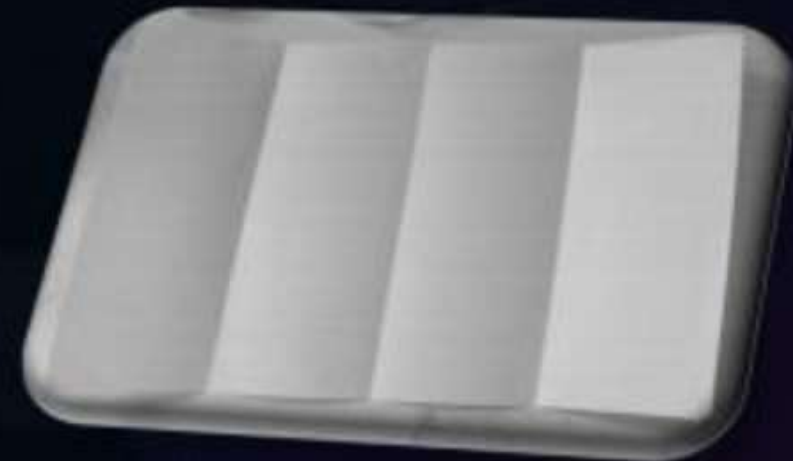
D



Paper Folding



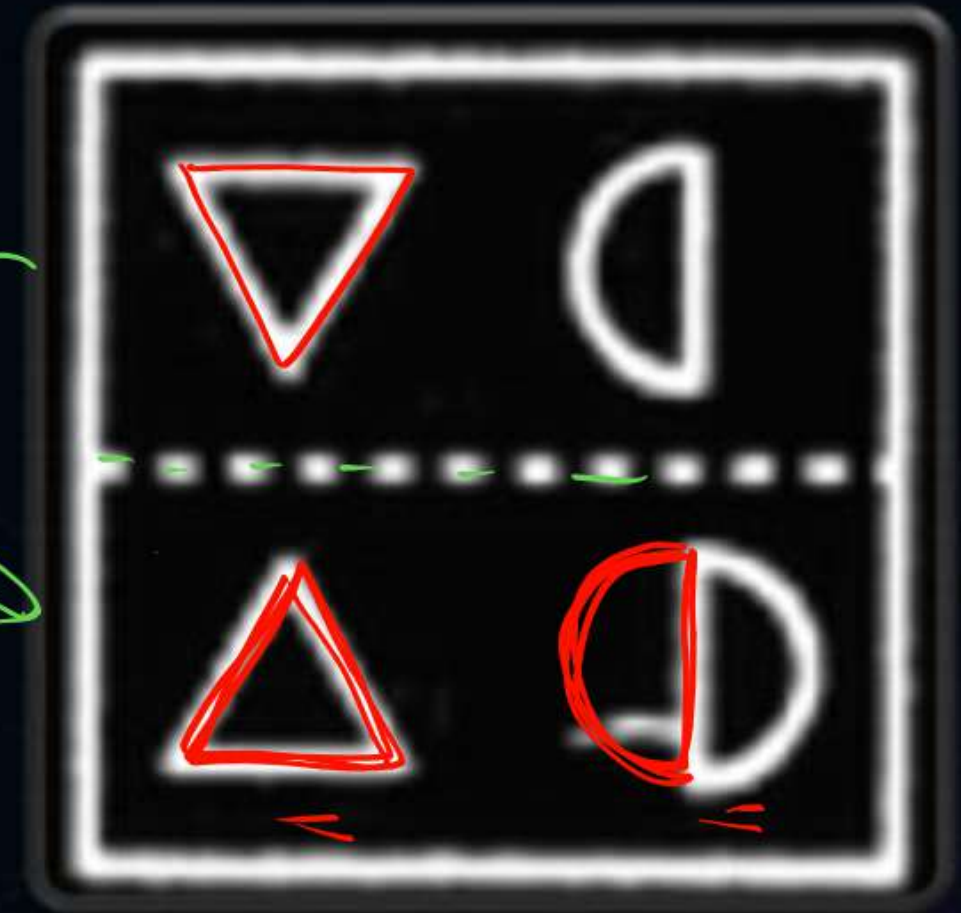
- In each of the following problems, a square transparent sheet with a pattern is given. Figure out from amongst the four alternatives as to how the pattern would appear when the transparent sheet is folded at the dotted line.



[MCQ]

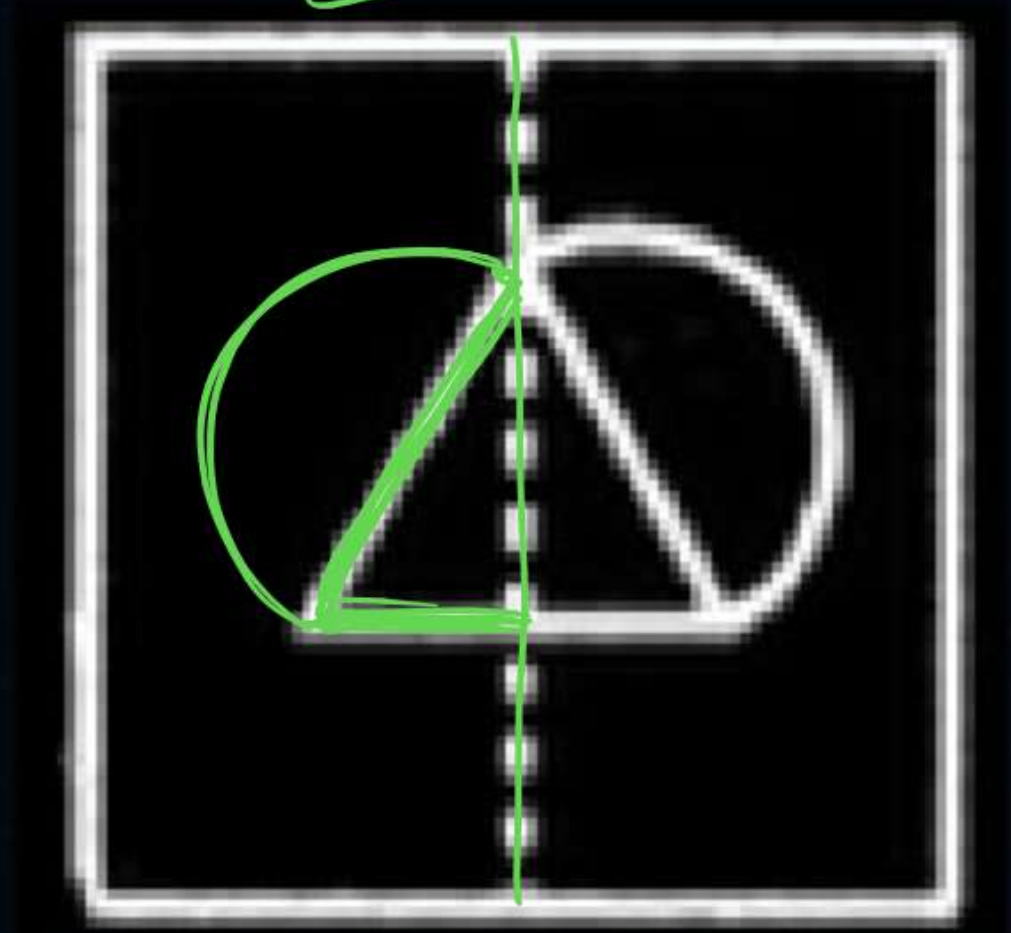
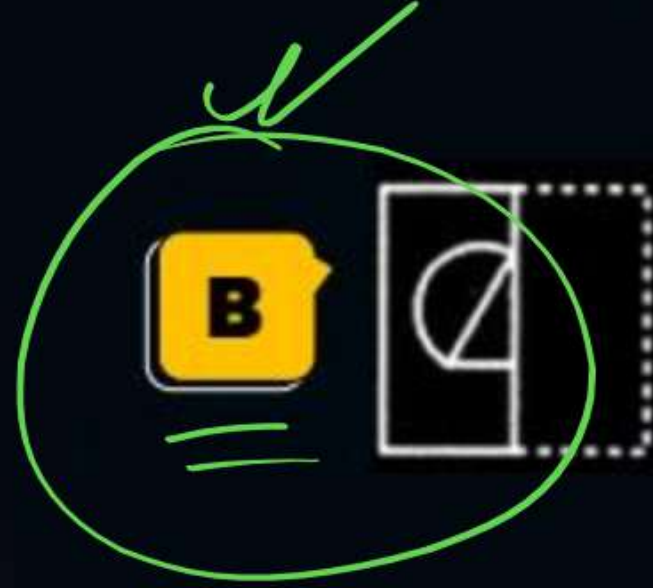


#Q. Find out from amongst the four alternatives as to how the pattern would appear when the transparent sheet is folded at the dotted line.



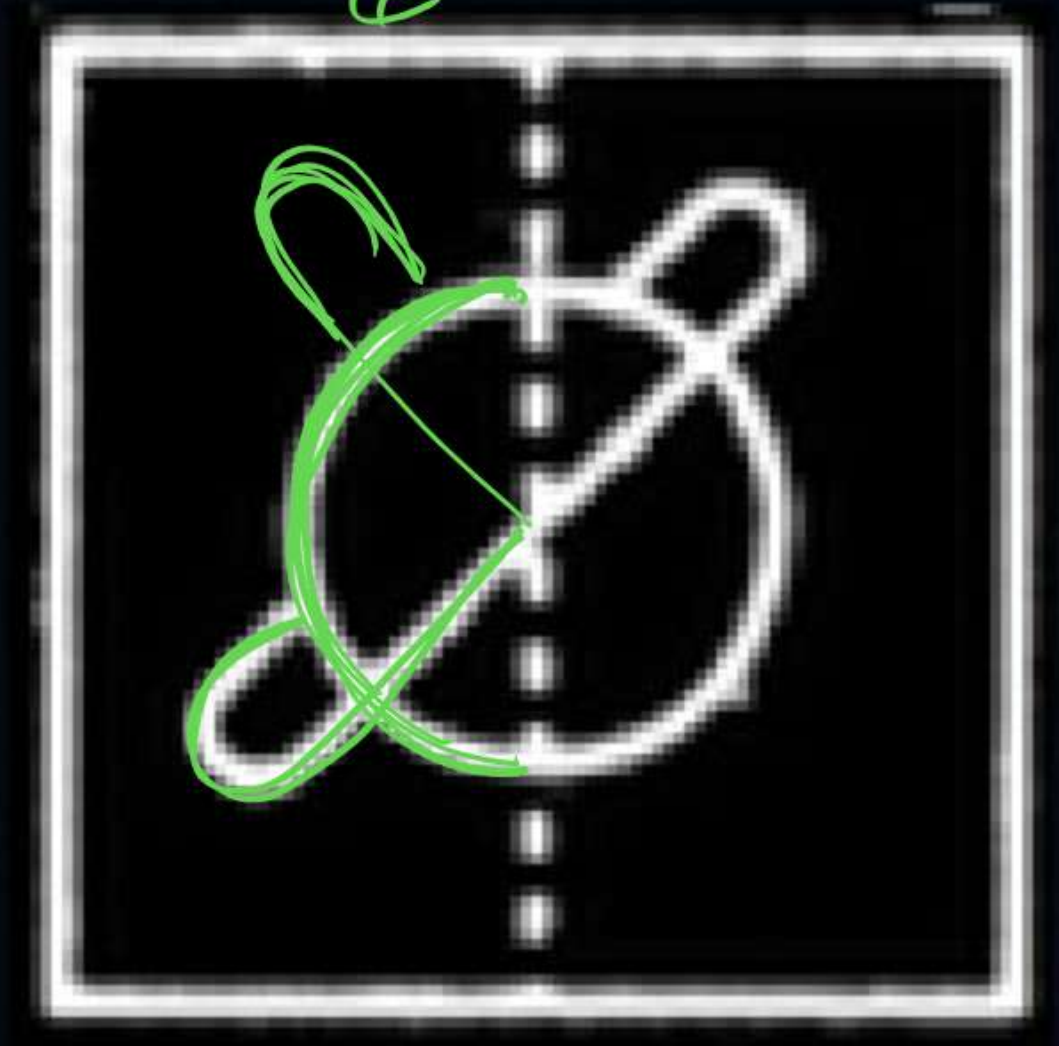
[MCQ]

#Q. Find out from amongst the four alternatives as to how the pattern would appear when the transparent sheet is folded at the dotted line.



[MCQ]

#Q. Find out from amongst the four alternatives as to how the pattern would appear when the transparent sheet is folded at the dotted line.



[MCQ]



#Q. Find out from amongst the four alternatives as to how the pattern would appear when the transparent sheet is folded at the dotted line. *Assignment*



[MCQ]

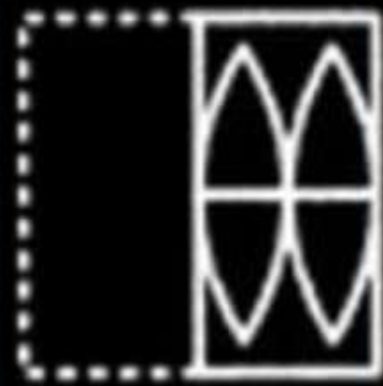


#Q. Find out from amongst the four alternatives as to how the pattern would appear when the transparent sheet is folded at the dotted line. *Assignment*

A



B



C



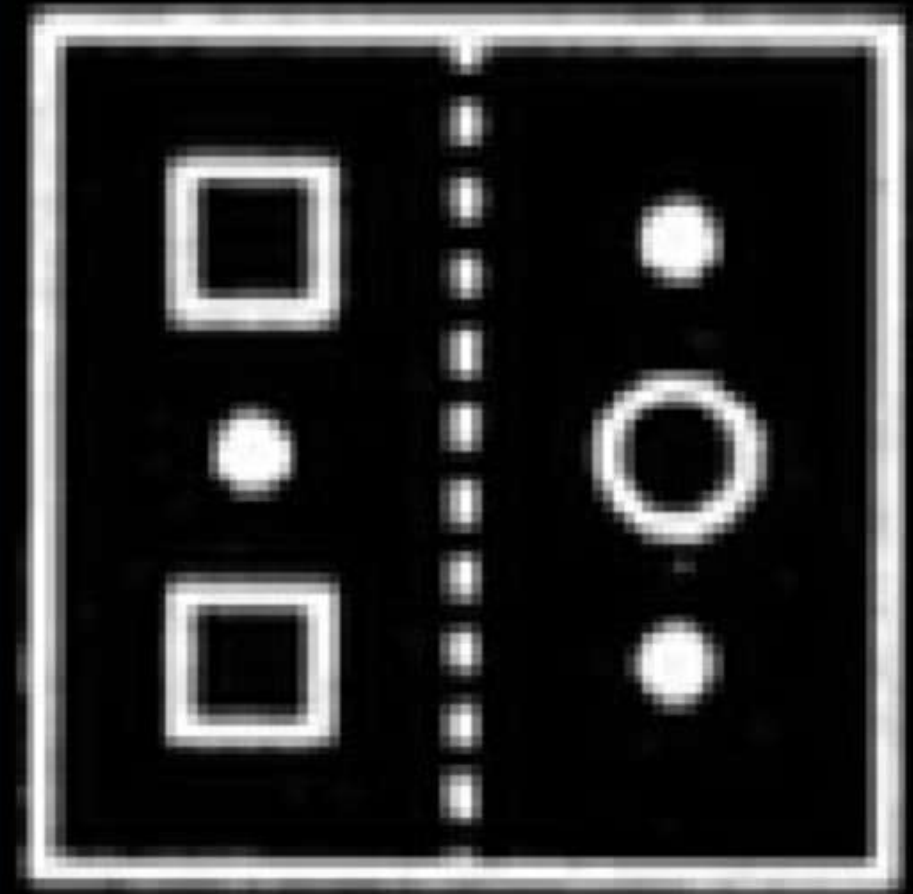
D



[MCQ]



#Q. Find out from amongst the four alternatives as to how the pattern would appear when the transparent sheet is folded at the dotted line. *Assignment*



[MCQ]



#Q. Find out from amongst the four alternatives as to how the pattern would appear when the transparent sheet is folded at the dotted line.

Assignment



[MCQ]



#Q. Find out from amongst the four alternatives as to how the pattern would appear when the transparent sheet is folded at the dotted line. *Assignment*



[MCQ]



#Q. Find out from amongst the four alternatives as to how the pattern would appear when the transparent sheet is folded at the dotted line.

Assignment

A



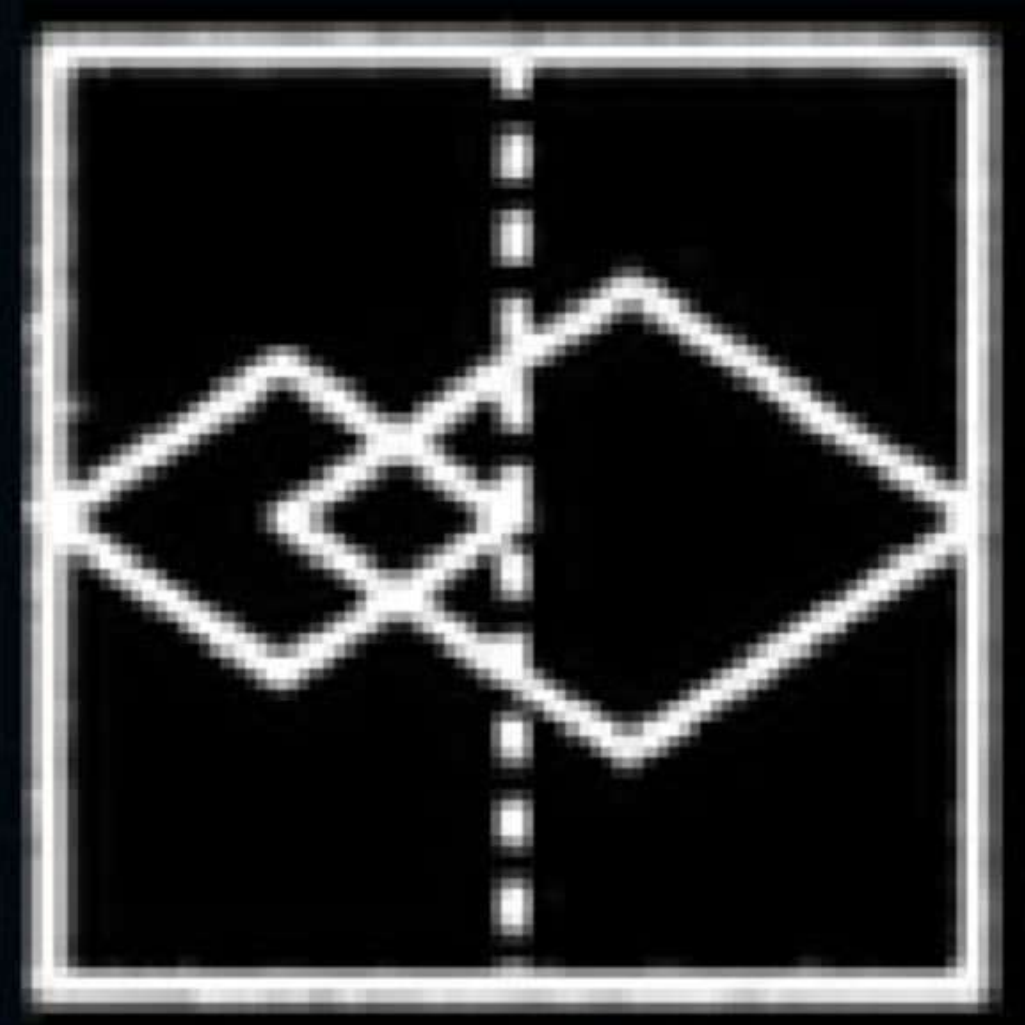
B



C



D



[MCQ]



#Q. Find out from amongst the four alternatives as to how the pattern would appear when the transparent sheet is folded at the dotted line.

Assignment



Paper Cutting



- Each of the following questions consists of 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 unfolded form of figure (Z).

[MCQ]

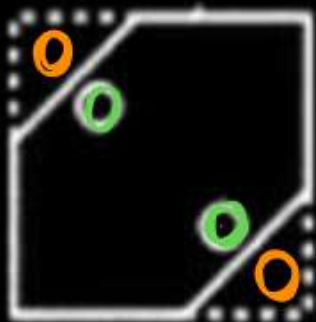
#Q. Choose a figure which would most closely resemble the unfolded form of Figure (Z).



X



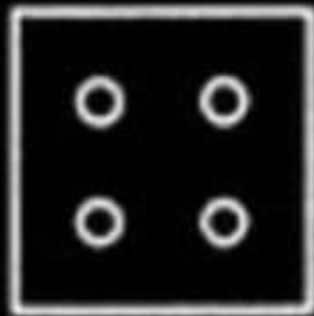
Y



Z



A



B



C



D

[MCQ]



#Q. Choose a figure which would most closely resemble the unfolded form of Figure (Z).



X



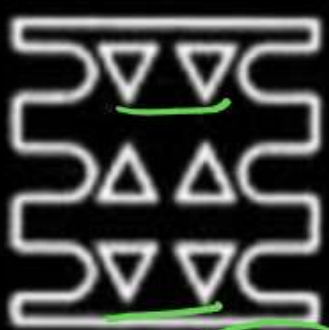
Y



Z



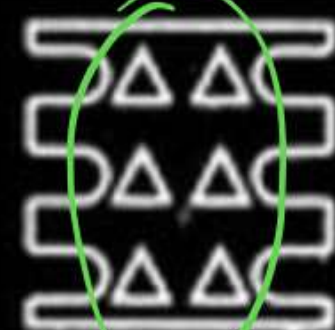
~~A~~



B



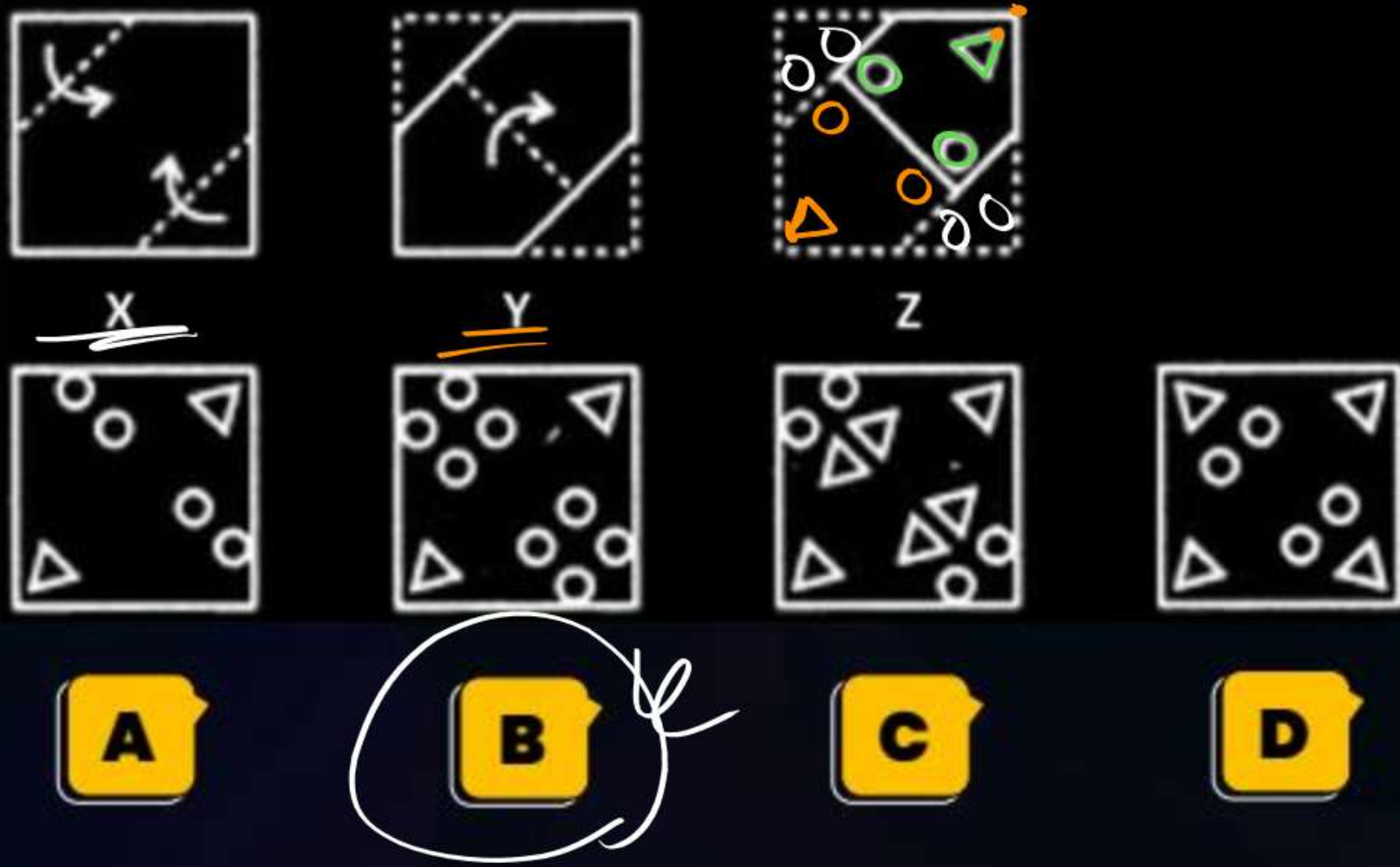
~~C~~



~~D~~

[MCQ]

#Q. Choose a figure which would most closely resemble the unfolded form of Figure (Z).

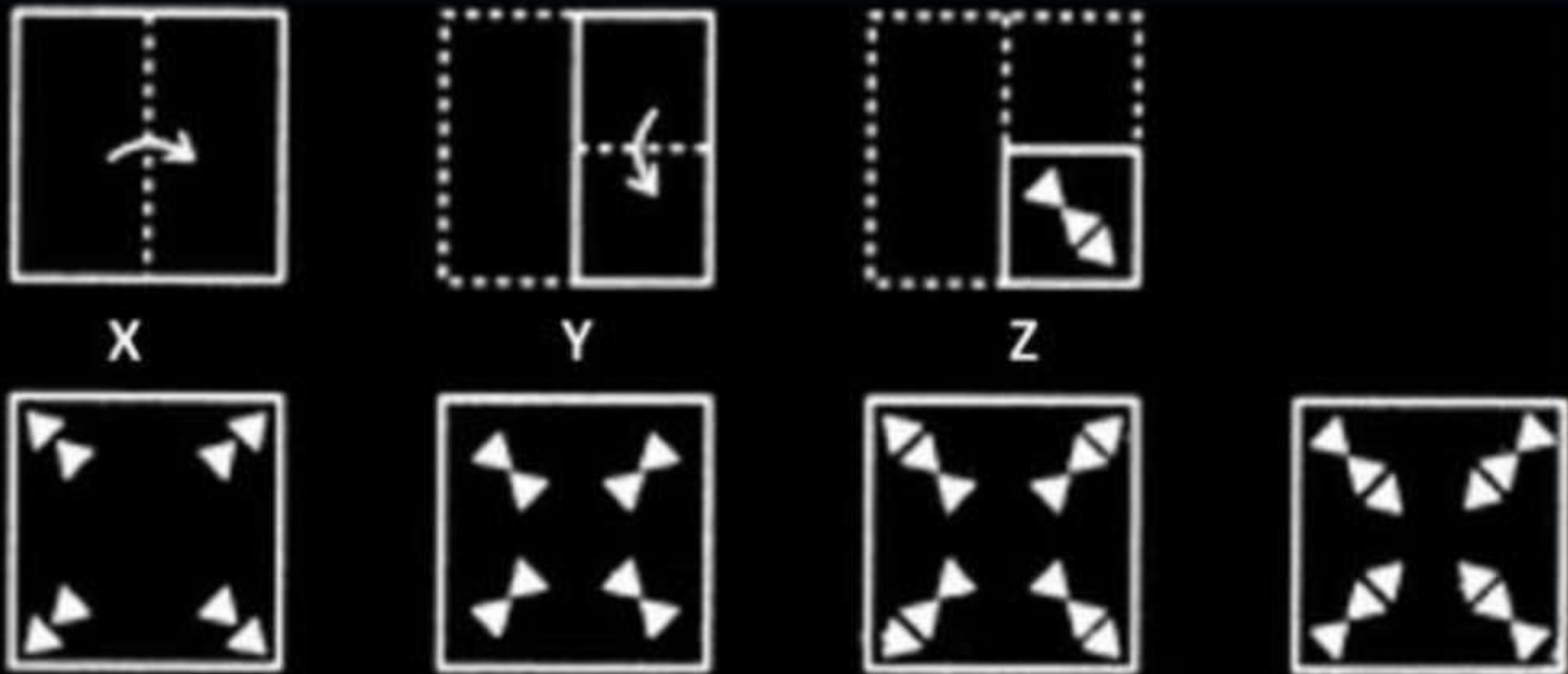


[MCQ]



#Q. Choose a figure which would most closely resemble the unfolded form of Figure (Z).

Assignment



A

B

C

D

[MCQ]



#Q. Choose a figure which would most closely resemble the unfolded form of Figure (Z).

Assignment



X



Y



Z



A



B



C



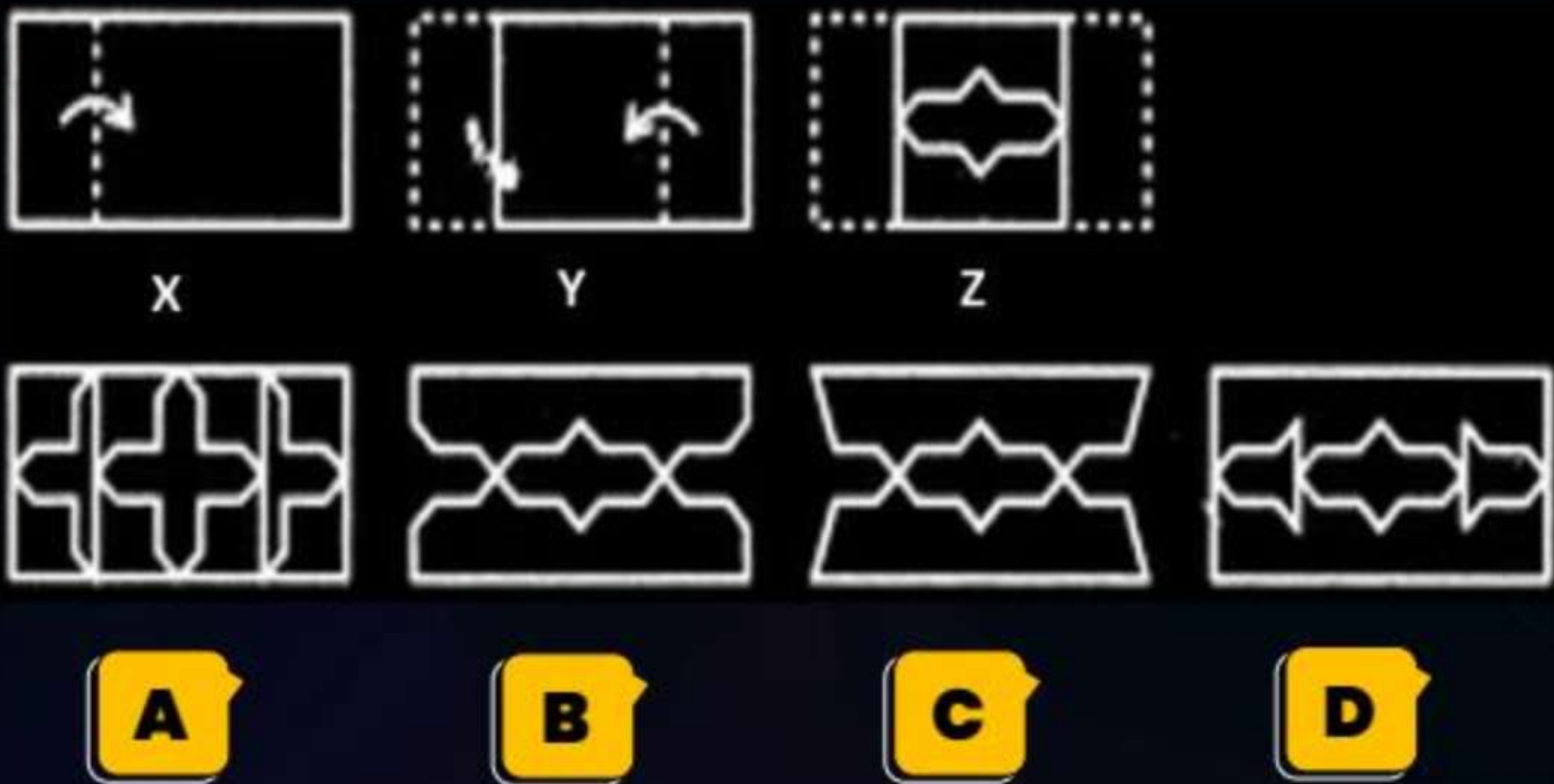
D

[MCQ]



#Q. Choose a figure which would most closely resemble the unfolded form of Figure (Z).

Assignment



[MCQ]



#Q. Choose a figure which would most closely resemble the unfolded form of Figure (Z).

Assignment



X



Y



Z



A



B



C



D



2 mins Summary



Topic

Paper Folding & Cutting

✓ Mirror Image

✓ Water Image

THANK - YOU