# Mirror and Water Images

I.

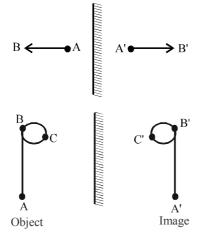
# Mirror Images

In this category questions are based on the criteria that a few figures are given and you have to find out which one is the exact image of the given figure in a mirror placed in front of it. This image formation is based on the principle of 'lateral inversion' which implies that size of the image is equal to the size of the object but both sides are interchanged. The left portion of the object is seen on the right side and right portion of the object is seen on the left side. For example, mirror image of ABC =  $\Im$ AB

**Note :** There are '11' letters in English Alphabet which have identical mirror images: A, H, I, M, O, T, U, V, W, X, Y.

# Characteristics of Reflection by plane mirror

- 1. Perpendicular distance of object from mirror = Perpendicular distance of image from mirror.
- 2. The image is laterally inverted.



- **3.** The line joining the object point with its image is normal to the reflecting surface.
- The size of the image is the same as that of the object. *E.g*-1: Mirror-images of certain words are given below :
  - (1) F U N : N U T
  - (2) GOLKONDA : AGNOXLOO

*E.g* -2: Mirror-image of certain combinations of alphabets and numbers are given below :

BMC49JN2317 : 7162NL64DMB (1) 15bg82XQh : dQX28gd61 (2)

	I		
А	А	Ν	Ν
В	В	0	0
С	С	Р	q
D	D	Q	9
Е	Е	R	Я
F	F	S	S
G	G	Т	Т
Н	Η	U	U
Ι	Ι	V	V
J	ι	W	W
Κ	К	Х	Х
L	L	Y	Y
М	М	Ζ	Ζ
	I		1

**Mirror Images of Capital Letters** 

**II** Mirror Images of Small Letters

а	a	n	n
b	Ь	0	0
c	с	р	q
d	b	q	р
e	е	r	r
f	f	S	s
g	g	t	t
h	h	u	u
i	i	v	V
j	j	W	W
k	k	Х	х
1	1	у	у
m	m	Z	Ζ

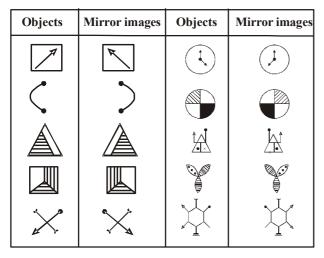
# **III.** Mirror Images of Numbers

			I
0	0	6	6
1	1	7	7
2	2	8	8
3	3	9	6
4	4	10	10
5	5		8

#### **Mirror and Water Images**

Examples of lateral inversion of few figures and words are given below :

# **IV.** Mirror Images of Various Objects :



# V. Mirror Images of Certain Words and Numbers:

Words	Mirror images	Numbers	Mirror images
PREDICTION	PREDICTION	32596	32596
HOSPITAL	HOSPITAL	8932	8932
DARPAN	DARPAN	868	868
STRIDENT	STRIDENT	786	786
OPULENT	OPULENT	10190	10190
SARCASM	SARCASM	5693	5693
LIBERAL	LIBERAL	8964	8964
OFFENCE	OFFENCE	7362	7362
ADVANCE	ADVANCE	5893	5893
IMAGES	IMAGES	7839	7839

#### VI. Mirror Images of Clock:

There are certain questions in which the position of the hour-hand and the minute-hand of a clock as seen in a mirror are given. On the basis of the time indicated by the mirror-image of the clock we have to detect the actual time in the clock. In the solution of such questions we use the fact that if an object A is the mirror-image of another object B then B is the mirror-image of A.

# Time of image in plane mirror

- (a) Real time =  $X^{H}$ , Image time =  $12^{H} X^{H}$  (H = hours)
- (b) Real time =  $X^H Y^M$ , Image time =  $11^H 60^M X^H Y^M$

(c) Real time = 
$$X^H Y^M Z^S$$
, Image time =  $11^H 59^M 60^S - X^H Y^M Z^S$   
(S = seconds)

(d) if 
$$X^{H}Y^{M}Z^{S} > 11^{H}59^{M}60^{S}$$
, image time =  $23^{H}59^{M}60^{S} - X^{H}Y^{M}Z^{S}$ 

Quick Tip

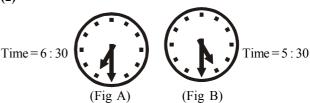
Whenever you have to solve a mirror image question, imagine a mirror placed in front of the object and then try to find its inverted image. The portion of the object that is near the mirror will now be the portion of the image near to the mirror in the inverted form.

#### ILLUSTRATION 1:

By looking in a mirror, it appears that it is 6 : 30 in the clock. What is the real time ?

(1)6:30	(2) 5:30
(3)6:00	(4)4:30

Sol. (2)

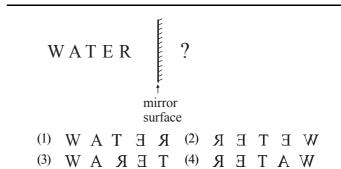


Clearly, fig (A) shows the time (6:30) in the clock as it appears in a mirror. Then its mirror-image i.e. Fig (B) shows the actual time in the clock i.e. 5:30. You can solve it quickly if you remember that the sum of actual time and image time is always 12 hours.

#### **DIRECTIONS (ILLUSTRATION 2-6):**

Find the correct option for the mirror image for the following examples.

#### **ILLUSTRATION 2**:



**Sol.** (4) We have to find the correct mirror image for the word 'WATER' for which we need to find the mirror image for each letter separately and then arrange it, like the mirror image for the letters W is W, A is A, T is T, E is  $\exists$  and R is  $\Re$ . Since, the word ends with R, i.e., where the mirror is placed, therefore the mirror image will start from the mirror images of R, i.e.;  $\Re$ . Thus the mirror image for water is  $\Re \exists T \land W$ 

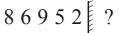
Thus option (4) is the correct answer.

#### **ILLUSTRATION3:**

dear [?]? (1) bear (2) raed (1) (3) dear (4) raed (2) Sol. (2) Mirror image for 'd' is 'b', 'e' is 'e', 'a' is 's 'and 'r' is 'r'

Thus, option (2) is the correct answer.

# **ILLUSTRATION4:**

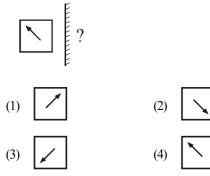


- 2
   2
   6
   6
   8
   (1)

   8
   6
   9
   5
   2
   (4)
   9
   2
   5
   6
   8
   (1)
- **Sol.** (4) Mirror image for '8' is '8', '6' is '∂', '9' is 'Q', '5' is 'Z' and '2' is 'Z'.

Thus, option (4) is the answer.

#### **ILLUSTRATION 5**:



Sol. (1) The mirror image of a square remains a square while the arrow inside it will be changed.

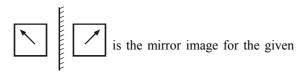
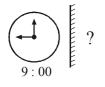


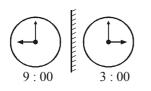
image. Thus opiton (1) is the correct answer.

# ILLUSTRATION 6:



(1)	12:00	(2)	5:00
(3)	3:00	(4)	6:00
(2)	The mirror image	of airela	romain

**Sol.** (3) The mirror image of circle remains a circle, and the arrow facing north also remains the same but the arrow facing will face East in its mirror image.



Thus, answer is 3 : 00, i.e., option C.

# Water Image

The reflection of an object as seen in water is called its water image. It is the inverted image obtained by turning the object upside down.

# Water-images of capital letters

Letters	А	В	С	D	Е	F	G	Н	Ι	J	Κ	L	М
Water-image	А	В	С	D	E	F	G	Н	Ι	l	К	Γ	Μ
Letters	Ν	0	Р	Q	R	S	Т	U	V	W	Х	Y	Ζ
Water-image	Ν	0	Ь	Q	R	S	Т	N	Λ	W	Х	Υ	Ζ

# Water-images of small letters

Letters	а	b	c	d	e	f	g	h	i	j	k	1	m
Water-image	a	ρ	с	q	e	f	g	h	i	j	k	I	m
Letters	n	0	р	q	r	s	t	u	v	W	х	у	Z
Water-image	n	0	p	d	r	$\mathbf{S}$	t	n	Λ	W	х	λ	Σ

#### Water-images of numbers

Letters	0	1	2	3	4	5	6	7	8	9
Water-image	0	T	7	2	4	С	ρ	١	8	9

### Note :

- 1. The letters whose water-images are identical to the letter itself are : C, D, E, H, I, K, O, X
- 2. Certain words which have water-images identical to the word itself are :
  - KICK, KID, CHIDE, HIKE, CODE, CHICK

# Quick Tip

Whenever we have to analyze the water image of an object, imagine a mirror or a surface that forms an image just under the given object. The portion of the object that is near the water surface will be inverted but will be near the water surface in the image as well.

# **DIRECTIONS (ILLUSTRATION 7-11):**

Find the correct option for the water images for the following examples.

ILLUS	<b>FRATION 7</b> :	
	STORE ?	nter surface
(1	) SLORE	(2) SIOHE
	) STORE	(4) STORE

**Sol.** (4) In case of water image, the water reflection will usually be formed under the object / word.

In this case, the water image of the word will be an outcome of the water images of each of the letters like, the water images of S is 2, T is  $\perp$ , O is O, R is  $\bowtie$  and E is E. Thus the water image of the word 'STORE' is ' $2 \perp O \bowtie E$ .'

#### Mirror and Water Images

#### ILLUSTRATION 8:

 $\begin{array}{c} scary \\ ? \\ (1) & csl\lambda \\ (3) & scal\lambda \\ scal\lambda \\ \textbf{Sol.} (1) & The water image of `s' is `z', `c' is `c', `a' is `g', `r' is `j' and `y' is `\lambda' \\ Thus the water images of scary is `z c gl\lambda'. \end{array}$ 

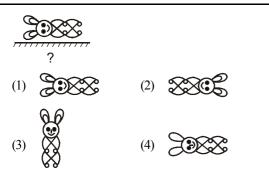
### ILLUSTRATION 9:

(3)  $\downarrow 0 8 3 5$  (4)  $\downarrow 0 8 6 5$ Sol. (2) The water image of '1' is  $\downarrow$ , '6' is '0', '8' is 0, 9' is '3' and '2' is '5'.

(2) 16892

Thus, the water image of 16892 is 1 8 8 3 5

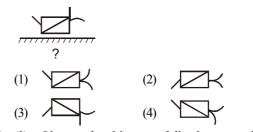
#### **ILLUSTRATION 10:**



**Sol.** (1) Since, the teddy bear is facing west, in its water image also it will face west. Therefore, options (2) & (3) are ruled out.

Now among options (1) & (4) check the ears and nose of the bear in the actual diagram, it does not have a nose, but the image in option (4) has a nose. Therefore, option (1) is the correct representation.

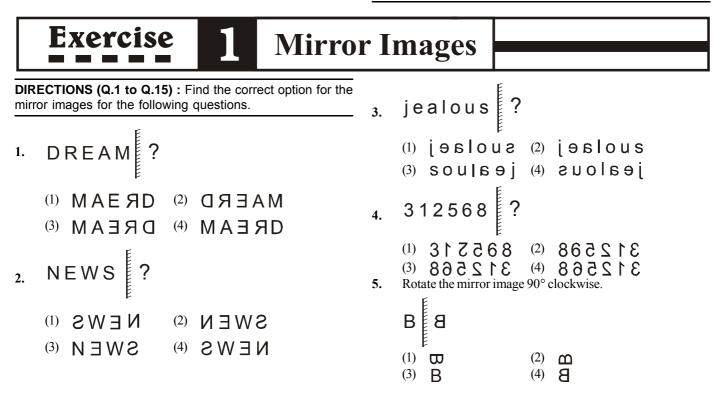
### **ILLUSTRATION 11:**



**Sol.** (3) Observe the object carefully, the rectangle will remain a rectangle, the diagonal in the object starts from near the water surface in the west side and so will start in the image on the west side. And the arc that is facing North west, will face south-west in the image. Thus option (3) is the correct answer.

#### Quick Tips

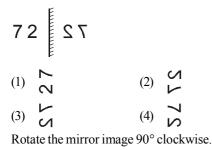
- (i) While solving a question, try eliminating some options and solving the questions will become easier. To eliminate options, keep in mind the pattern used in the object (given diagram whose image is to be formed) as well as the position of mirror or water such that the portion of the object near to the mirror / water will produce the same portion near the mirror / water in an inverted form.
- (ii) Images are images, be it water or mirror, in both the cases an inverted image of the alphabets / numerals / clocks / any other object are formed by inverting the object. Inverting of the object solely depends upon the position of mirror or water surface w.r.t. the object.

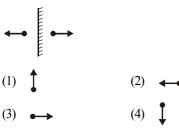


6. Rotate the mirror image 90° anticlockwise.

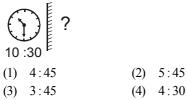
A-158

7.

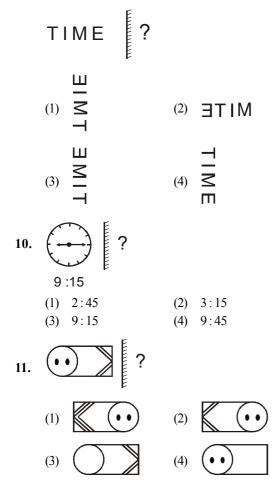




8. Rotate the mirror image of the given clock 90° clockwise and the time will be.



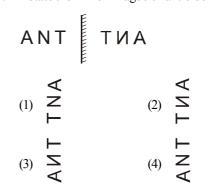
9. Rotate the mirror image 90° clockwise.



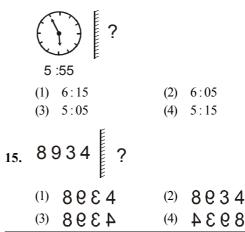
12. Rotate the mirror image 90° anticlockwise.

(3) · , (4) · .
13. Rotate the mirror image 90° anticlockwise.

(2) .~>



14. Rotate the mirror image 90° anticlockwise.



**DIRECTIONS (Qs. 16-18) :** In each of the following questions, you are given a combination of alphabets and/or numbers followed by alternatives (1), (2), (3) and (4). Choose the alternative which most closely resembles the mirror image of the given combination.

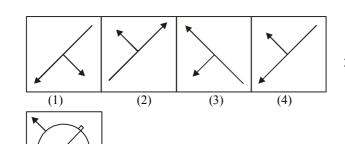
16.	NATIONAL		
	NALIONAL (1)	(2)	NATIONAL
	NATIONAL (E)	(4)	NATIONAL
17.	A N S 4 3 Q 1 2		
	21Q34SNA (1)	(2)	ANS43Q12
	12 Q43 ANS (E)	(4)	SNA34Q21
18.	1965INDOPAK		
	<b>1 6 6 5 I NDOPAK</b> (1)	(2)	56910DNIKAP
	<b>1695 I NDOPAK</b> (E)	(4)	1965 I NDOPAK
19.	Which of the following coll same in the mirror ?	lecti	on of letters will look the
	(1) O S M I H O M	(2)	VHRTRVH

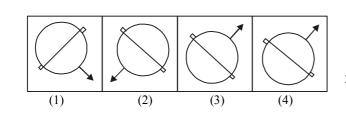
(3) HIMOSTA (4) AOVIVOA

# **Mirror and Water Images**

**DIRECTIONS (Qs. 20-28) :** In each of the following questions, choose the correct mirror-image of the Fig. (X) from amongst the four alternatives (1), (2), (3) and (4) given along with it.



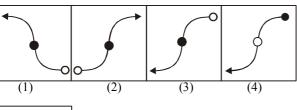




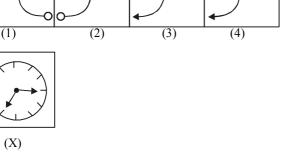


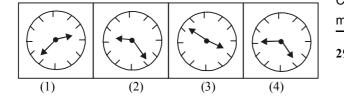
21.

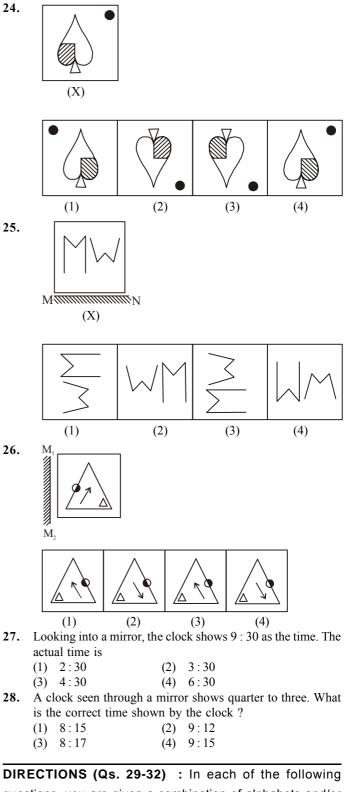
(X)





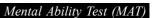






**DIRECTIONS (Qs. 29-32)** : In each of the following questions, you are given a combination of alphabets and/or numbers followed by four alternatives (1), (2), (3) and (4). Choose the alternative which most closely resembles the mirror-image of the given combination.

9.	WH	ITE			
		WHITE			MHITE
	( <b>3</b> )	WHITE	(*	+)	WHITE



(3)

(3)

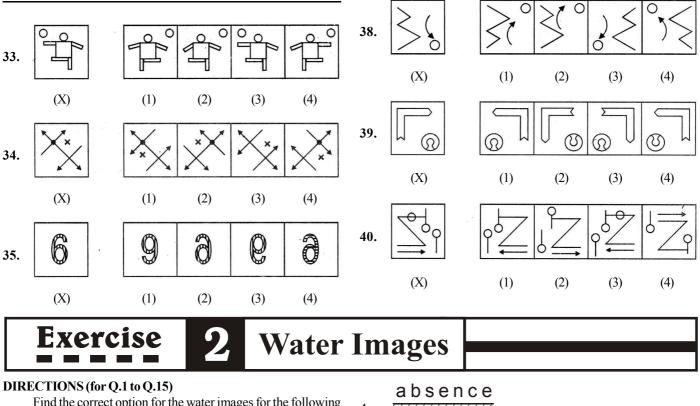
(4)

(4)



A-16	50 —						
30.	TERMINATE						
	(1)	ETANIMRET	(2)	TERWINATE		0	
	(3)	TERMINATE	(4)	TERMINATA	36.		
31.	REA	ASONING				S	
	(1)	<b><i>BEASONIND</i></b>	(2)	REASONING			
	(3)	GNINOSAEK	(4)	REAZONING		(X)	
32.	BR4	4AQ16HI				r	
	(1)	BR4AQ16HI	(2)	BR4AQ10HI			
	(3)	BR4AQ16HI	(4)	BR4AQ19HI	37.		
DIRECTIONS (Qs. 33-40) : In each of the following questions,							
choose the correct mirror-image of the Fig. (X) from amongst						(X)	

the four alternatives (1), (2), (3) and (4) given along with it.



Find the correct option for the water images for the following questions.

PLEDGE

1.

4. 777 ? (1) absence (5) adseuce (3) **3bS91C9**(4) **3bS61C6** 918423 5. ? (1) 918423(5) 918423 (3) 918423 (4) 918423 6. What will be the water image of given diagram? ? (1) (2)Ś Ś (4) ~-(3) .~ gLad 7. (1) glad glad (2) (4) **gLab** gLad (3)

(1)

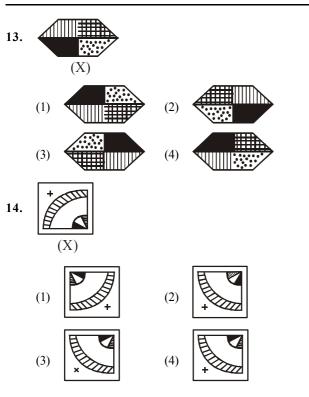
(1)

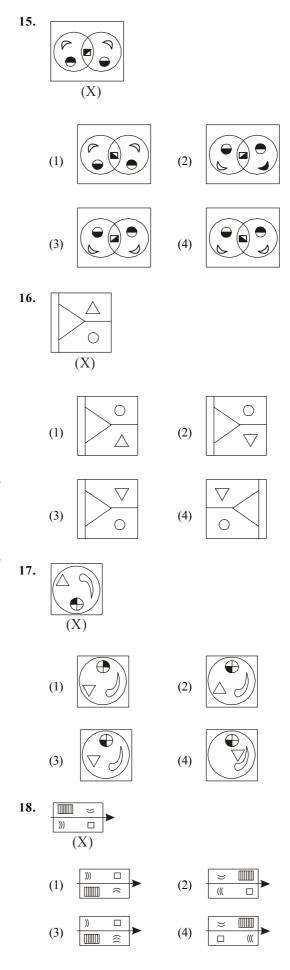
(2)

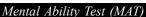
(2)

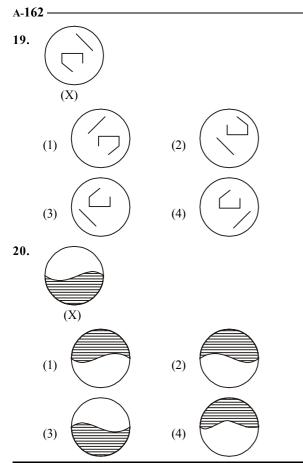
Mirror and Water Images 8. SNOW ? (1) O 14 O
•
(1) SNOM (2) SNOM
$(3) S N O M \qquad (4) S N O W$
9. drain
?
(1) drain (5) drain
(3) drain (4) drain
10. ZEBRA
?
(1) <b>ZJBRA</b> (5) <b>ZEBRA</b>
(3) ZEBRA (4) ZEBAA
11. 671
?
(1) 9 \ 1 (2) 8 \ 1
(3) <b>6 7 1</b> (4) <b>6 7 1</b>
12. 9283
?
(1) 928E (5) 928E
(3) 9283 (4) 9283

**DIRECTIONS (Qs. 13-20) :** In each of the following questions, choose the correct **water image** of the figure (X) from amongst the four alternatives (1), (2), (3), (4) given alongwith it.





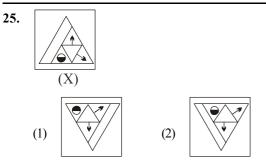


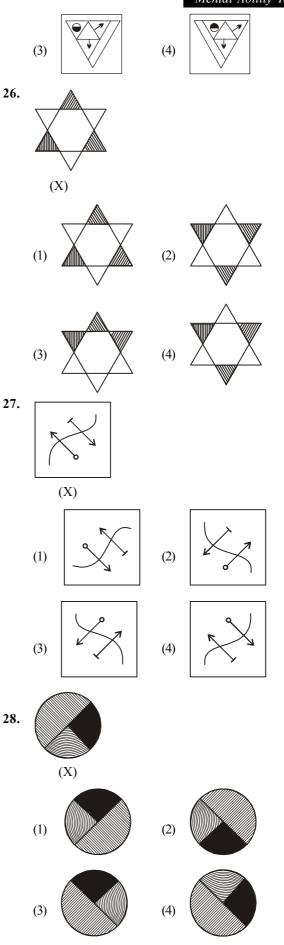


**DIRECTIONS (Qs. 21-24)**: In each of the following questions, you are given a combination of alphabets and/or numbers followed by four alternatives (1), (2), (3) and (4). Choose the alternative which most closely resembles the water image of the given combination.

-			
21.	FROG		
	(1) F R O G	(2)	GORF
	E K O G (E)	(4)	F R O C
22.	Ú4P15B7		
	(1) U4P15B2	(2)	U4 <b>q</b> 15 B7
	(3) <b>U4 P15 B</b> 7	(4)	U4 P15 B7
23.	G R 9 8 A P 7 6 E S		
	(J) <b>GR68AP76E</b>	S	
	(5) GA98AP76E	SS	
	(3) <b>GR98AP76E</b>	SS	
	(4) <b>GR984P76E</b>	SS	
24.	A 1 M 3 b		
	(J) A1M3b	(2)	Al M 3b
	(3) A1 M 3 b	(4)	A1 M E b

**DIRECTIONS (Qs. 25-28)**: In each of the following questions, choose the correct water image of the figure (X) from amongst the four alternatives (1), (2), (3) and (4) given along with it.

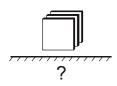




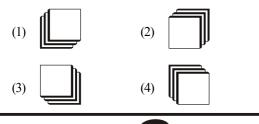
#### Mirror and Water Images

#### Questions for NTSE

**29.** Observe the figures below :

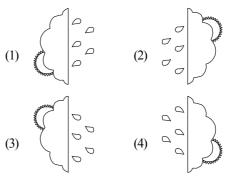


First rotate the figure by 90° in clock-wise direction and find out its water reflection from the given alternatives (NTSE)





If the mirror image of the figure is rotated to 90° in clockwise direction, it will look like :



Hints & SOUDDONS

# Exercise - 1

- (3) Mirror image for the letters 'D' is 'Q', 'R' is 'A', 'E' is 'A' is 'A' and 'M' is 'M'. Since the word ends with M, i.e., where the mirror is placed, therefore the mirror image will start from the mirror image of M, i.e., M. Thus the mirror image for water is MABAQ.
- (1) Mirror image for the letters 'N' is 'N', 'E' is '∃', 'W' is 'W' and 'S' is '2'.
- (4) Mirror image for the letters 'j' is į, 'e' is 'θ', 'a' is 'β', 'L' is ⊥, 'O' is 'O', 'u' is 'µ' and 'S' is '2'
- 4. (4) Mirror image of numbers '3' is '£', '1' is 't', '2' is '2', '5' is '3', '6' is '3' and '8' is '8'.
- (2) If we rotate the mirror image, i.e., 'g' 90° clockwise, then it will be 'm'.
- 6. (3) If we rotate the mirror image, i.e., `27' to  $90^{\circ}$  anticlockwise, then it will be `5'.
- 7. (4) If we rotate the mirror image, i.e., ' $\longrightarrow$ ' to 90°

clockwise, then it will be '
$$\downarrow$$
'

8. (1) 
$$\bigoplus_{10:30} \left[ \bigoplus_{1:30} \xrightarrow{90^{\circ} \text{ CW}}_{\text{rotation}} \bigoplus_{1:45} \right]$$

Hence, option (1) is the answer.

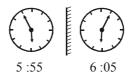
9. (3) TIME 
$$\exists$$
 MIT  $\xrightarrow{90^{\circ}CW}$   $\stackrel{\Box}{\leq}$ 

Hence, option (3) is the correct answer.

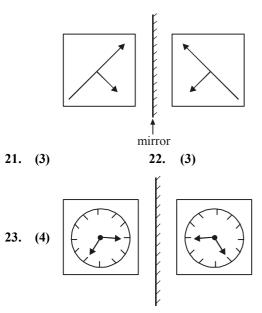
**10.** (1) The mirror image of circle remains a circle and the arrow facing west will face towards east and arrow facing east will face towards west. Thus, time will be 2 : 45.

Hence option (2) is the answer.

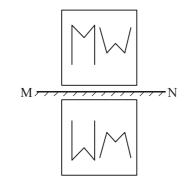
- (1) If we rotate the mirror image, i.e., 'ς' to 90° anti-clockwise, then it will be ζ... Thus, option (1) is the answer.
- 13. (2) If we rotate the mirror iamge i.e., 'TMA' to 90° anticlockwise, then it will be ' $\stackrel{\triangleleft}{\leq}$ '. Thus, option B is the answer.
- 14. (2) The mirror image of circle ramins a circle. The arrow facing south will also remains the same. But the arrow facing north-west will face north-east.



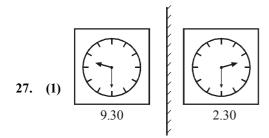
- 15. (4) Mirror images for the numbers '8' is '8', '9' is 'e', '3' is
   '£' and '4' is '4'.
- 16. (2) 17. (2) 18. (4) 19. (4)
- 20. (3) Assume that the mirror is placed on the right hand side of the given object, unless mentioned or drawn near the object.

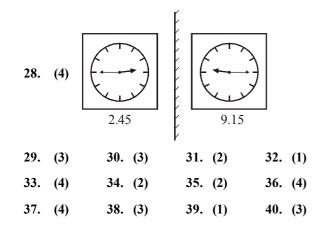


24. (1)25. (2) This object has mirror placed under the object.



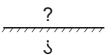




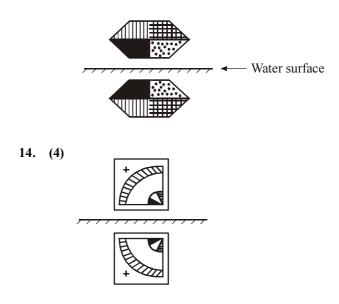


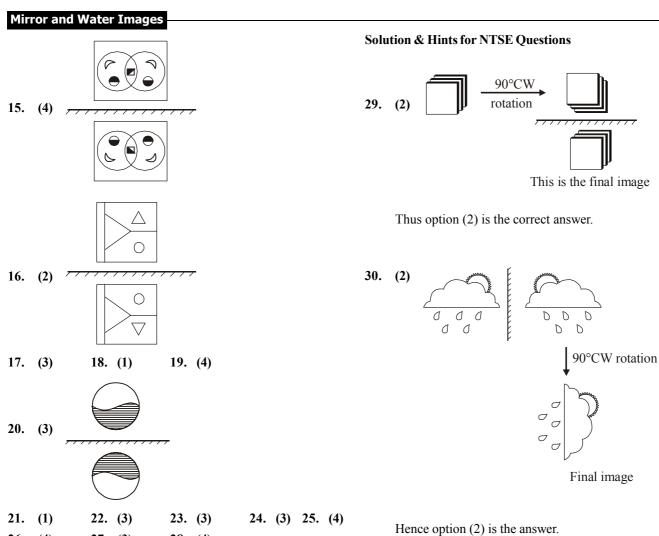
# Exercise - 2

- (3) The water image of 'P' is 'b', 'L' is 'Γ', 'E' is 'E', 'D' is 'D', 'G' is 'C' and 'E' is 'E'.
- 2. (2) The water image of 'h' is ' $\mu$ ', 'e' is ' $_{\Theta}$ ', L is ' $_{\Gamma}$ ' and 'P' is ' $_{\Theta}$ '.
- (2) The water image of 'D' is 'D', 'O' is 'O', 'L' is 'Γ' A' is '∀' and 'R' is 'B'.
- (1) The water image of 'a' is 'g', 'b' is 'p', 'S' is '2', 'e' is 'e', 'n' is 'u', 'C' is 'c' and 'e' is 'e'.
- 5. (4) The water image of number '9' is '3', '1' is 1, '8' is '8', '4' is '4', '2' is '5' and '3' is '3'
- 6. (2) The water image of ?? is 5.



- (3) The water image of 'g' is 'a', 'L' is '\(\Gamma', a' is 'g', a'
- 8. (1) The water image of 'S' is ' $\aleph$ ', 'N' is 'N', 'O' is 'O' and 'W' is 'M'
- (2) The water image of 'd' is 'q', 'r' is 'L', 'a' is 'g', 'i' is 'i' and 'n' is 'U'
- 10. (3) The water image of 'Z' is ' $\Sigma$ ', 'E' is 'E', 'B' is B, 'R' is 'B' and 'A' is 'A'
- 11. (2) The water image of '6' is ' $\varrho$ ', '7' is ' $\lambda$ ' and '1' is  $\downarrow$ .
- 12. (3) The water image of '9' is '∂', '2' is '5', '8' is '8' and '3' is '3'.
- 13. (1) Since, in case of water images, usually the image drawn is just under the actual object. So the shaded and dotted portion will come up on their respective sides, because the portion of the object near water surface will remain near the water surface in case of the image as well.





- A-165

26. (4) 27. (3) 28. (4)



# **MIRROR & WATER IMAGES**

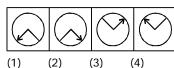
# TYPE-I

**Direction (1)**: Which of the answer figures is exactly the mirror image of the given figure when the mirror is held at PQ?

- (SSC Combined Graduate Level Prelim Exam. 27.02.2000 (First Sitting)
- 1. Question Figure :



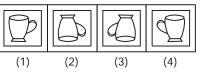
Answer Figures :



 Which of the answer figures is exactly the mirror image of the given figure when the mirror is held at MN?
 Question Figure :

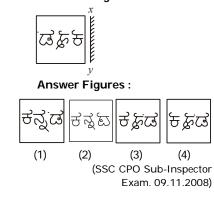


#### Answer Figures :



(SSC CPO Sub-Inspector Exam. 03.09.2006)

 Which of the answer figures is exactly the mirror image of the given figure when mirror is held as shown ?
 Question Figure :



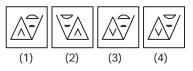
**Direction (4) :** In the following question, which of the answer figures is exactly the mirror image of the question figure when the mirror is held at XY ?

(SSC CPO Sub-Inspector Exam. 06.09.2009)

# 4. Question Figure :



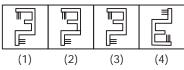
**Answer Figures :** 



5. Which answer figure is the exact mirror image of the given question figure when the mirror is held from the right at PQ ?
 Question figure :



# Answer figures :



(SSC Combined Graduate Level Tier-1 Exam. 16.05.2010 (First Sitting)

6. If the mirror is placed on the line LM, then which of the answer figures is the right image of the given question figure ?
 Question Figure :

SRE-853



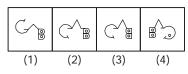


(SSC Combined Graduate Level Tier-I Exam. 16.05.2010 (IInd Sitting)

If a mirror is placed on the northern side then which of the answer figures is the right image of the given question figure.
 Question Figure :



#### Answer figures :



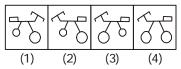
(SSC SAS Exam. 26.06.2010 (Paper-I) **Direction (8)** : If a mirror is placed on the line MN, then which of the answer figures is the correct image of the given question figure?

(SSC Combined Graduate Level Prelim Exam. 19.06.2011 (Ist Sitting)

8. Question Figure :



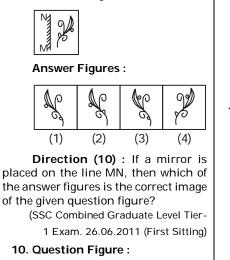
Answer Figures :



**Direction (9)**: If a mirror is placed on the line MN, then which of the answer figures is the right image, of the given figure ?

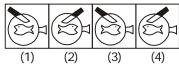
> (SSC Combined Graduate Level Prelim Exam. 19.06.2011 (Ist Sitting)

9. Question Figure :





**Answer Figures :** 



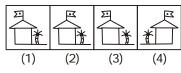
**Direction (11) :** If a mirror is placed on the line MN, then which of the answer figures is the correct image of the given Figure?

(SSC Combined Graduate Level Tier-1 Exam. 26.06.2011(Second Sitting)

# 11. Question Figure :



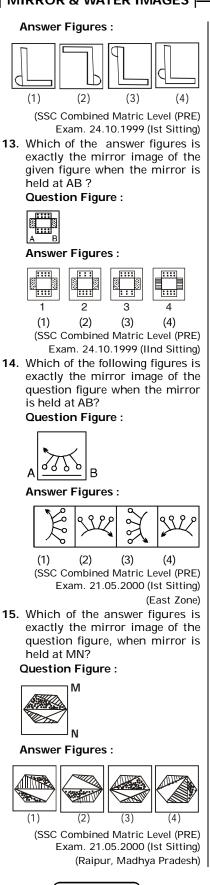
Answer Figures :



 Which of the answer figures is exactly the mirror image of the question figure when the mirror is held at MX.
 Question Figure :



# | MIRROR & WATER IMAGES |-



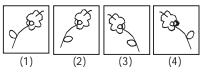
SRE-854

**16.** Which of the answer figures is exactly the mirror image of the given figure when the mirror is held at MN?

**Question Figure :** 



Answer Figures :



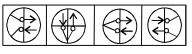
(SSC Combined Matric Level (PRE) Exam. 21.05.2000 (Ist Sitting) (Raipur, Madhya Pradesh)

17. Which of the answer figures is exactly the mirror image of the given figure when the mirror is held at MN?

**Question Figure :** 



Answer Figures :



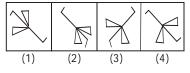
(1) (2) (3) (4) (SSC Combined Matric Level (PRE) Exam. 21.05.2000 (Ist Sitting)

(Middle Zone)

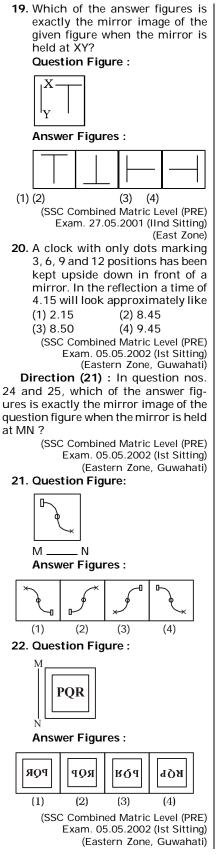
**18.** Which of the answer figures is exactly the mirror image of the given figure when the mirror is held at AB?

**Question Figure :** 





(SSC Combined Matric Level (PRE) Exam. 21.05.2000 (IInd Sitting) (Middle Zone, Allahabad)



# Directions (23-24) : Which of the answer figures is exactly the mirror image of the given figure when the mirror is held at AB? (SSC Combined Matric Level (PRE) Exam. 05.05.2002 (IInd Sitting) (Eastern Zone, Guwahati) 23. Question Figure : ЯR ·B Α Answer Figures : RR (1)(2) (3)(4) 24. Question Figure : Answer Figures : 0 (2) (1)(3)(4)Directions (25-26) : In each of the following questions which of the answer figures is exactly the mirror image of the question figure when the mirror is held at XY? (SSC Combined Matric Level (PRE) Exam. 05.05.2002 (Ist Sitting) (North Zone, Delhi) 25. Question Figure : Answer Figures : (1) (2) (3) (4) 26. Question Figure : Answer Figures : (2) (1)(3)(4)Directions (27-28) : Which of the answer figures is exactly the mirror image of the given figure if the mirror is held at AB? SSC Combined Matric Level (Pre) Exam. 05.05.2002 (IInd Sitting) (North Zone Delhi)

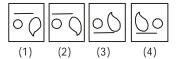
SRE-855

| MIRROR & WATER IMAGES |-

# 27. Question Figure :



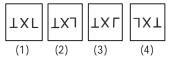
Answer Figures :



28. Question Figure :



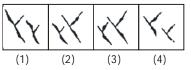
Answer Figures :



**29.** Which of the Answer Figures is exactly the mirror image of the given problem figure when one mirror is held at, left side?

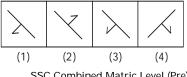


Answer Figures :

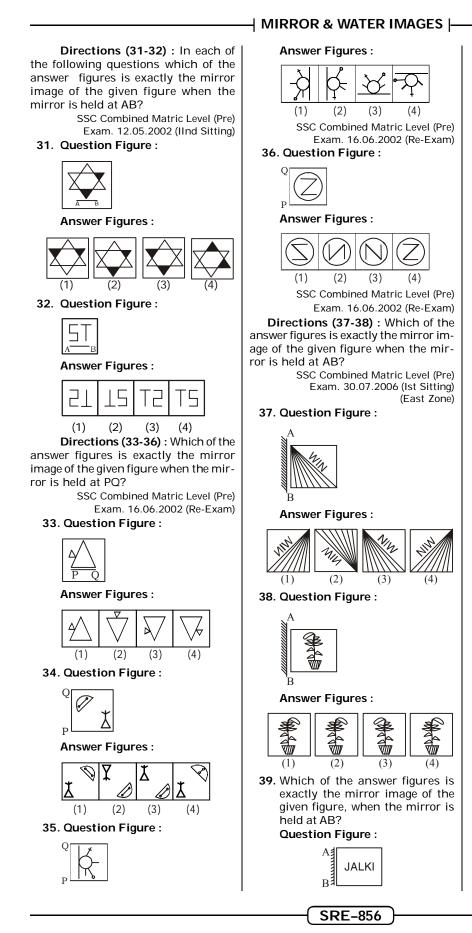


SSC Combined Matric Level (Pre) Exam. 12.05.2002 (Ist Sitting) **Question Figure :** 

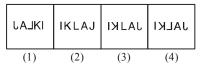
30. Which one of the Answer Figures is exactly the mirror image of the given figure when the mirror is held at AB? Question Figure :



SSC Combined Matric Level (Pre) Exam. 12.05.2002 (Ist Sitting)



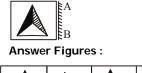
# Answer Figures :

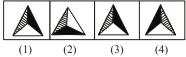


SSC Combined Matric Level (Pre) Exam. 30.07.2006 (IInd Sitting) (Central Zone) **40.** Choose the correct mirror image

of the figure, when the mirror is held at AB :

# Question Figure :





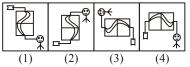
SSC Combined Matric Level (Pre) Exam. 30.07.2006 (IInd Sitting) (Central Zone)

**41.** If a mirror is placed on the line LM, then which of the answer figures is the right image of the given question figure ?

# Question Figure :



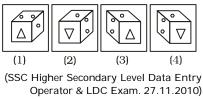
**Answer Figures :** 



SSC Combined Matric Level (Pre) Exam. 30.03.2008 (Ist Sitting)

**42.** If a mirror is placed on the line MN, then which of the answer figures is the right image of the given question figure ? **Question Figure :** 

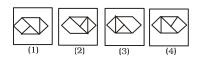




**43.** If a mirror is placed on the line MN, then which of the answer figures is the right image of the given question figure ? **Question Figure :** 



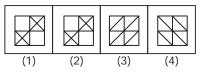
#### Answer Figures :



- (SSC Higher Secondary Leve Data Entry Operator & LDC Exam. 28.11.2010 (Ist sitting)
- 44. If a mirror is placed on the line MN, then which of the answer figures is the correct image of the given question figure ? Question Figure :



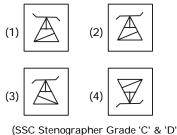
#### Answer Figures :



- (SSC Higher Secondary Level Data Entry Operator & LDC Exam. 28.11.2010 (IInd sitting)
- 45. If a mirror is placed on the line LM, then which of the answer figures is the right image of the given question figure ?Question Figure :



#### Answer Figures :



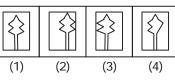
Exam. 09.01.2011)

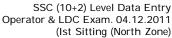
#### | MIRROR & WATER IMAGES |-

46. Which of the answer figures is exactly the mirror image of the given figure, when the mirror is held on the line AB ?Question Figure :



#### Answer figures :



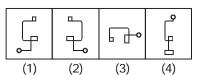


**47.** Which of the answer figures is is exactly the mirror image of the question figure, when the mirror is held on the line PQ?

Question figure :

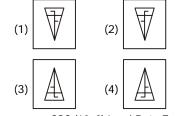


Answer figures :



- SSC (10+2) Level Data Entry Operator & LDC Exam. 04.12.2011 (IInd Sitting (North Zone) **48.** Which of the answer figure is exactly the mirror image of the
- exactly the mirror image of the given figure, when the mirror is held on the line AB ? **Question Figure**:

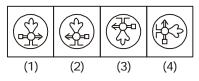




SSC (10+2) Level Data Entry Operator & LDC Exam. 04.12.2011 (Ist Sitting (East Zone) 49. Which of the answer figures is is exactly the mirror image of the question figure, when the mirror is held on the line AB?Question Figure :



#### Answer Figures :



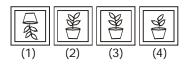
SSC (10+2) Level Data Entry Operator & LDC Exam. 04.12.2011 (IInd Sitting (East Zone)

**50.** Which of the answer figure is exactly the mirror image of the given figure, when the mirror is held on the line AB?

#### **Question Figure :**



**Answer Figures :** 

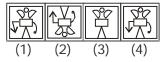


SSC (10+2) Level Data Entry Operator & LDC Exam. 11.12.2011 (Ist Sitting (Delhi Zone)

51. Which of the answer figure is exactly the mirror image of the given figure, when the mirror is held on the line AB ?Question Figure :



Answer Figures :



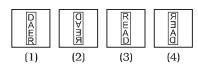
SSC (10+2) Level Data Entry Operator & LDC Exam. 11.12.2011 (IInd Sitting (Delhi Zone)

SRE-857

52. Which of the answer figure is exactly the mirror image of the given figure, when the mirror is held on the line A B ?Question Figure :

E	

#### Answer Figures :

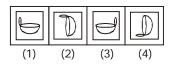


SSC (10+2) Level Data Entry Operator & LDC Exam. 11.12.2011 (Ist Sitting (East Zone)

53. Which of the answer figure is exactly the mirror image of the given figure, when the mirror is held on the line A B ?Question Figure :



Answer Figures :

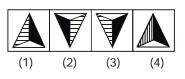


SSC (10+2) Level Data Entry Operator & LDC Exam. 11.12.2011 (IInd Sitting (East Zone)

54. Which of the answer figures is exactly the mirror image of the given figure, when the mirror is held on the line MN?Question Figure :



# Answer Figures :

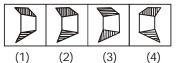


SSC Constable (GD) & Rifleman (GD) Exam. 22.04.1912 (Ist Sitting)

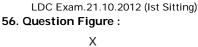
- | MIRROR & WATER IMAGES |-
- 55. Which of the answer figure is exactly the mirror image of the given figure, when the mirror is held on the line MN?Question Figure :



Answer Figures :

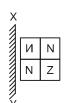


SSC Constable (GD) & Rifleman (GD) Exam. 22.04.1912 (IInd Sitting) **Directions (56-57)** : In each of the following questions, if a mirror is placed on the line XY, then which of the answer figures is the correct image of the given question figure ? (SSC Level Data Entry Operator &





(1) DINING (1)
 (2) DININGRT
 (3) DININGRT
 (4) DININGRT
 57. Question Figure :



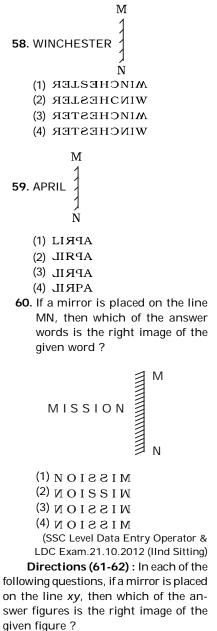
### Answer Figures :

Ν	Ν		И	И	Ν	Ν	И	Ν
Ζ	И		Ζ	И	И	Ζ	Ζ	И
(1)		(2	2)	(:	3)	 (4	1)	

**Directions (58-59)** : In each of the following questions, if a mirror is placed on the line MN, then which of the answer figures is the right image of the given figure ?

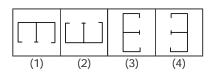
SRE-858

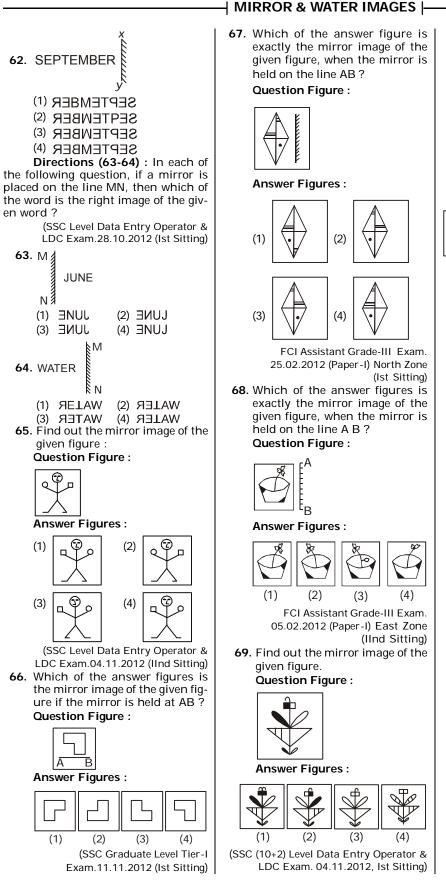
(SSC Level Data Entry Operator & LDC Exam.21.10.2012 (IInd Sitting)



(SSC Level Data Entry Operator & LDC Exam.28.10.2012 (Ist Sitting) 61. Question Figure :







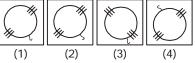
SRE-859

**70.** If a mirror is placed on the line x, then which of the answer figures is the right image of the given figure?

Question Figure :



Answer Figures :



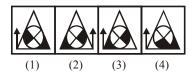
(SSC Multi-Tasking Staff Exam. 10.03.2013, Ist Sitting : Patna)

71. Which is the mirror image of the question figure when the mirror is held at X?

**Question Figure :** 



Answer Figures :



(SSC Multi-Tasking Staff Exam. 10.03.2013)

72. If a mirror is placed on the line MN, then which of the answer figures is the right image of the given figure ?

Question Figure :



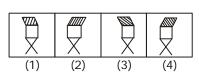


(SSC Multi-Tasking Staff Exam. 17.03.2013, Kolkata Region)

73. Which of the answer figures is the right mirror image of the question figure ?Question Figure :



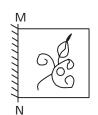
# Answer Figures :



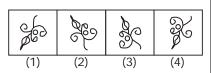
(SSC Multi-Tasking Staff Exam. 17.03.2013, Ist Sitting)

**Directions (74–75) :** In the following questions, a mirror is placed on line MN. Then which of the answer figures is the correct image of the given figure ?

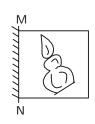
(SSC Multi-Tasking Staff Exam. 17.03.2013, IInd Sitting) 74. Question Figure :



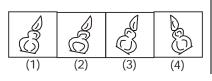
Answer Figures :



75. Question Figure :



# Answer Figures :



# | MIRROR & WATER IMAGES |-

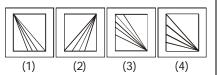
**Directions (76-77)** : In each of the following questions, if a mirror is placed on the line MN, then which of the answer figures is the right image of the given figure?

> (SSC Multi-Tasking Staff Exam. 24.03.2013, Ist Sitting)

76. Question Figure :



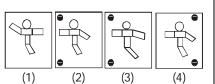
#### **Answer Figures :**



77. Question Figure :



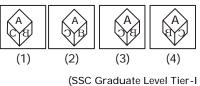
#### Answer Figures :



78. If a mirror is placed on the line XY then which of the answer figures is the right image of the given figure ?Question Figure :



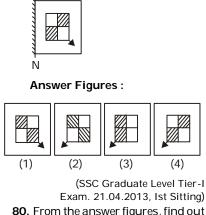
#### Answer Figures :



Exam. 21.04.2013, Ist Sitting)

79. If a mirror is placed on the line MN, then which of the answer figures is the right image of the given figure : Question Figure :

M

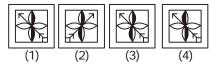


**80.** From the answer figures, find out the figure which is the exact mirror image of the question figure, when the mirror is place on the line 'MN' ?

**Question Figure :** 

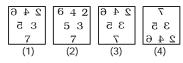


Answer Figures :



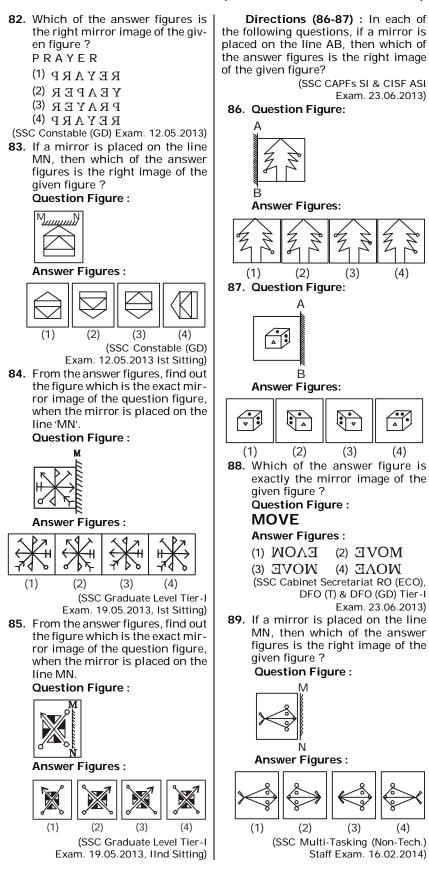
- (SSC Graduate Level Tier-I Exam. 21.04.2013, IInd Sitting) 81. Which of the answer figures is exactly the mirror image of the
- given pattern of numbers when the mirror is held at MN ? Question Figure :





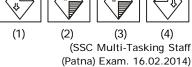
(SSC Graduate Level Tier-I Exam. 21.04.2013, IInd Sitting)





90. If a mirror is placed on the line MN, then which of the answer figures is the right image of the given figure ? **Question Figure :** 

> M N **Answer Figures :**



91. If a mirror is placed on the line MN, then which of the answer figures is the right image of the given figure? **Question Figure :** 

# F N

(4)

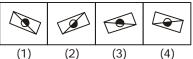
<u>^</u>

(4)

(4)

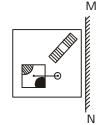
SRE-861

**Answer Figures :** 

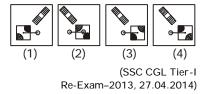


(SSC Multi-Tasking (Non-Tech.) Staff Exam. 23.02.2014, IInd Sitting)

92. If a mirror is placed on the line MN, then which of the answer figures is the right image of the given figure ? **Question Figure :** 



Answer Figures :

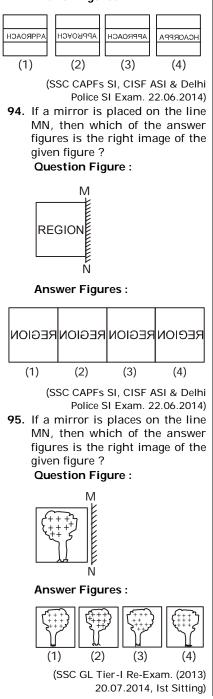


**93.** If a mirror is placed on the line MN, then which of the answer figures is the right image of the given figure ?

#### Question Figure :



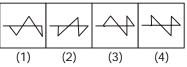
#### Answer Figures :

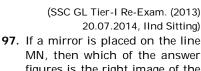


- | MIRROR & WATER IMAGES |-
- **96.** If a mirror is placed on the line MN, then which of the answer figures is the correct image of the question figure ? **Question Figure :**



#### Answer Figures :



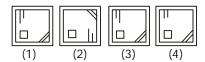


MN, then which of the answer figures is the right image of the given figure ?

Question Figure :



#### Answer Figures :

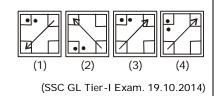


- (SSC GL Tier-I Exam. 19.10.2014, Ist Sitting & Bihar SSC 2nd CGL (Pre) Exam. 23.02.2015)
- **98.** Which of the answer figure is exactly mirror image of the given figure when the mirror is held at XY ?

#### **Question Figure :**



#### Answer Figures :



SRE-862

**99.** If a mirror is placed on the line MN, then which of the answer figures is the right image of the given question figure ?

#### **Question Figure :**



Answers Figures :



(SSC GL Tier-I Exam. 26.10.2014) **100.** Which of the answer figures is exactly mirror image of given figure ?

Question Figure : 6 5 4

**Answer Figures :** 

 420
 456
 654

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

(SSC CHSL (10+2) DEO & LDC Exam. 02.11.2014, Patna Region : Ist Sitting)

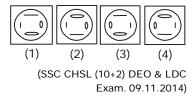
**101.** Choose the alternative which most closely resembles the mirror-image of the given combination.

#### DANIEL

- DANIEL (2) DAVIEL (1) DAVIEL (4) DAVIEL (2) (3) CCHSL (10+2) DEO & LDC
- Exam. 02.11.2014, IInd Sitting) **102.** If a mirror is placed on the line MN, then which of the answer figures is the right image of the given figure ?

#### **Question Figure :**







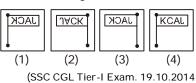
107. Identify the alternative which re-

sembles the mirror-image of the

- 103. Identify the alternative which resembles the mirror-image of the given word. DL9Q3574
  - DL9Q3374
  - DLeQ3574 (1)
  - DJ9QE574 (2)
  - DL9Q3774 (E)
  - DL9Q3574 (4)
  - (SSC CHSL (10+2) DEO & LDCExam.
- 16.11.2014, Patna Region : Ist Sitting)104. Identify the alternative which resembles the mirror-image of the given word.
  - SECRETARY
  - (1) RECRETARY (1)
  - SEDRETARY (2)
  - (E) SECRETARY (E)
  - SECRETARY (b)
    - (SSC CHSL (10+2) DEO & LDC
- Exam. 16.11.2014) **105.** If a mirror is placed on the line MN, then which of the answer figures is the right image of the given figure ? **Question Figure :**

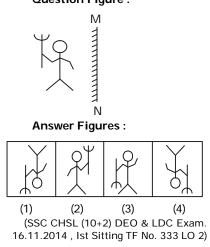


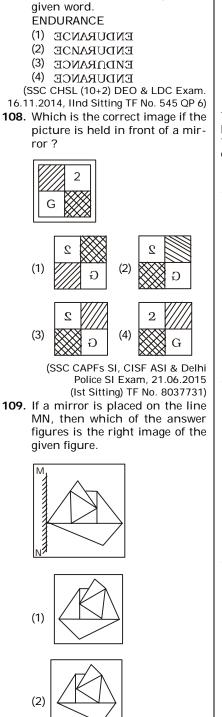
Answer Figures :

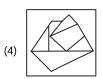


TF No. 022 MH 3) 106. If a mirror is placed on the line

MN, then which of the answer figures is the right image of the given question figure **Question Figure** :







(SSC CAPFs SI, CISF ASI & Delhi Police SI Exam, 21.06.2015 (Ist Sitting) TF No. 8037731)

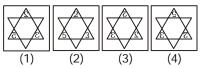
**Directions (110-111)** : In each of the following questions, if a mirror is placed on the line MN, then which of the answer figures is the right image of the given figure ?

(SSC CAPFs SI, CISF ASI & Delhi Police SI Exam, 21.06.2015 IInd Sitting)

110. Question Figure :



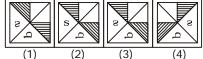
**Answer Figures :** 



111. Question Figure :

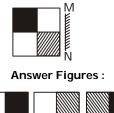


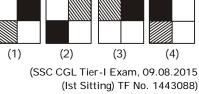
**Answer Figures :** 



**112.** If a mirror is placed on the line MN, then which of the answer figures is the right image of the given figure?

Question Figure :



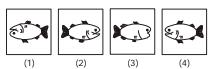


SRE-863

(3)

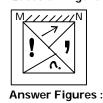
**113**. If a mirror is placed on the line MN, which of the answer figures is the right image of the given figure? Question Figure : M N **Answer Figures :** ร (1)(1) (2) (3) (4)(SSC CGL Tier-I Exam, 09.08.2015 (IInd Sitting) TF No. 4239378) 114. If a mirror is placed on the line MN, them which of the answer figures is the right image of the given figure? **Question Figure :** 

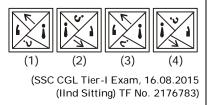
Answer Figures :



(SSC CGL Tier-I Exam, 16.08.2015 (Ist Sitting) TF No. 3196279) 115. If a mirror is placed on the line

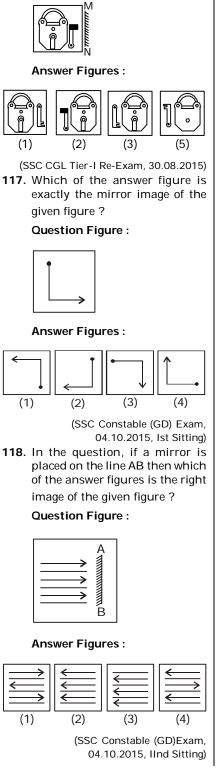
MN, then which of the answer figures is the right image of the given figure? **Question Figure :** 





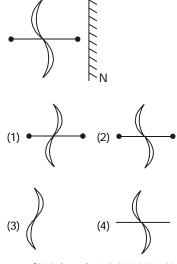
- | MIRROR & WATER IMAGES |-
- **116.** If a mirror is placed on the line MN, then which of the answer figures is the right image of the given figure? Question Figure :





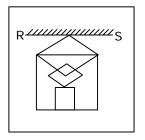
119. If a mirror is placed on the line MN, then which of the answer figures is the right image of the given figure?

M

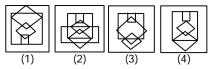


(SSC (10+2) LDC/DEO/PA/SA Exam. 01.11.2015 TF No. 1098066) 120. If a mirror is placed on the line RS, then which of the answer figures is the right image of the given figure?

**Question Figure :** 



**Answer Figures :** 



(SSC CHSL (10+2) LDC, DEO & PA/SA Exam, 01.11.2015, IInd Sitting) 121. The image of a clock in a mirror

is seen as	3.15. What is the right
time?	
(1) 8.45	(2) 10.45
(3) 7.45	(4) 9.45
(SSC CHSL (	10+2) LDC, DEO & PA/SA
Exam,	15.11.2015 (IInd Sitting)

TF No. 7203752)

SRE-864

125. If a mirror is placed on the line **Answer Figures 122.** If a mirror is placed on the line MN, then which of the answer AB, then which of the answer figfigures is the right image of the (1) (2) ures is the right image of the givquestion figure? en figure ? **Question Figure : Question Figure :** M (3)(4) **Answer Figures :** Ν (SSC CGL Tier-I (CBE) Exam.11.09.2016) (Ist Sitting) **Answer Figures :** 128. In the following question, choose the correct mirror image from amongst the four alternatives A), (1) (2) (3) (4)B), C) and D) given along with it. The mirror may be represented (SSC CHSL (10+2) LDC, DEO (1)(2)(3)(4)& PA/SA Exam, 06.12.2015 by a line XY. (SSC (10+2) Stenographer Grade 'C' (Ist Sitting) TF No. 1375232) & 'D' Exam. 31.07.2016) **Question Figure :** 123. If a mirror is placed on the line 126. If a mirror is placed on the line MN, then which of the answer MN, then which of the answer figures is the right image of the figures is the right image of the given figure? given figure? **Question Figure : Question Figure :** Μ **Answer Figures :** N Answer Figures : N **Answer Figures :** (1) (2) (3) (1)• (SSC CPO SI, ASI Online (2) (1)(3) (4)Exam.05.06.2016) (IInd Sitting) 129. In the following question, choose (SSC CHSL (10+2) LDC, DEO the correct mirror image from & PA/SA Exam, 20.12.2015 (Ist Sitting) TF No. 9692918) amongst the four alternatives A), 124. If a mirror is placed on the line B), C) and D) given along with it. (3) (4) MN, then which of the answer The mirror may be represen-ted figures is the right image of the by a line XY. given figure? **Question Figure : Question Figure :** (SSC CGL Tier-I (CBE) Exam.10.09.2016) 127. If a mirror is placed on the line MN, then which of the answer figures is the right image of the NI IVI given figure? **Question Figure :** Answer Figures : **Answer Figures :** (1)(2)(3)(1)(2)(3)(4)(SSC CPO SI, ASI Online (SSC (10+2) Stenographer Grade 'C' & 'D' N Exam.05.06.2016) (IInd Sitting) Exam. 31.01.2016 TF No. 3513283)

**SRE-865** 

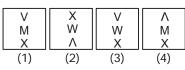
(4)

(4)

- | MIRROR & WATER IMAGES |-
- 130. In the following question, choose the correct mirror-image from amongst the four alternatives (1), (2), (3) and (4) given along with it. The mirror may be represented by a line MN. **Question Figure**

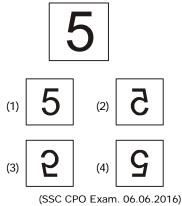


# Answer Figures

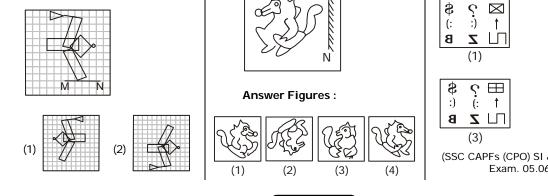


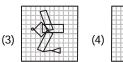
(SSC CPO Exam. 06.06.2016) (Ist Sitting)

131. In the following question, choose the correct mirror-image from amongst the four alternatives (1), (2), (3) and (4) given along with it. The mirror may be represented by a line MN.



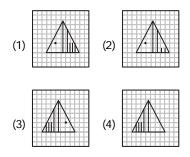
(Ist Sitting) 132. Mirror is placed on the line MN, then which of the answer figures is the right mirror image?





(SSC CHSL (10+2) Tier-I (CBE) Exam. 08.09.2016) (Ist Sitting) 133. Which of the answer figure is exactly the mirror image of the given figure, when the mirror is held on the line AB? **Question Figure :** 

**Answer Figures :** 



(SSC CGL Tier-I (CBE) Exam. 09.09.2016) (Ist Sitting)

Directions (134-135) : In each of the following questions, if a mirror is placed on the line MN, then which of the answer figures is the right image of the given figure ?

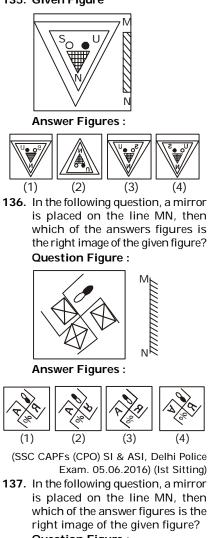
(SSC CAPFs (CPO) SI & ASI, Delhi Police Exam. 20.03.2016) (IInd Sitting)

134. Given Figure :

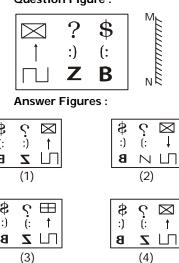


SRE-866

135. Given Figure

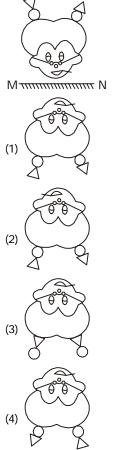


**Question Figure :** 

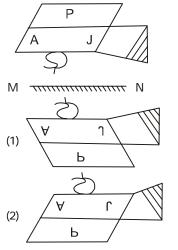


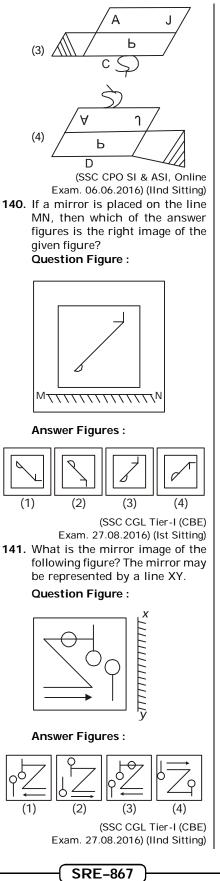
(SSC CAPFs (CPO) SI & ASI, Delhi Police Exam. 05.06.2016) (Ist Sitting)

**138.** Observe the figures and find a mirror image of the same from the alternatives given. Imagine that MN is a mirror.

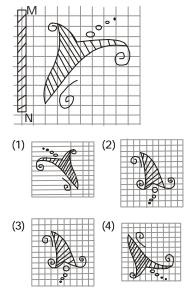


(SSC CPO SI & ASI, Online Exam. 06.06.2016) (IInd Sitting) **139.** Observe the figures and find a mirror image of the same from the alternatives given. Imagine that MN is a mirror.

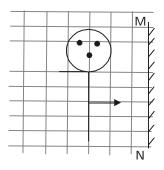


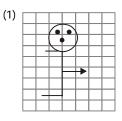


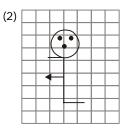
**142.** If a mirror is placed on the line MN, then which of the answer figures is the right image of the given figure ?

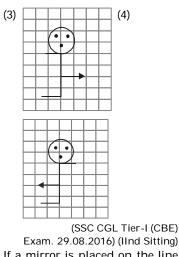


(SSC CGL Tier-I (CBE) Exam. 28.08.2016) (IInd Sitting) 143. If a mirror is placed on the line MN, then which of the answer figures is the right image ?

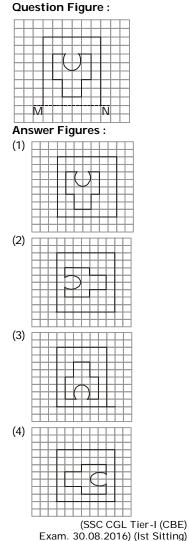






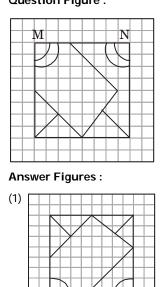


**144.** If a mirror is placed on the line MN, then which of the answer figures is the right image of the given figure ?

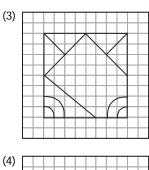


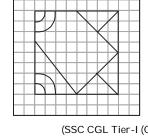
# | MIRROR & WATER IMAGES |-

145. If a mirror is placed on the line MN, then which of the answer figures is the right image of the given figure?Question Figure :



(2)

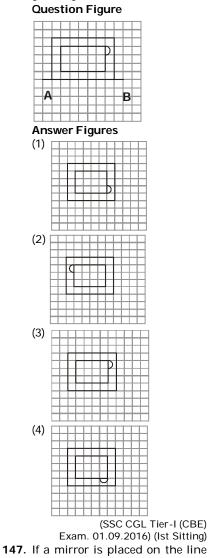




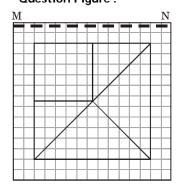
SRE-868

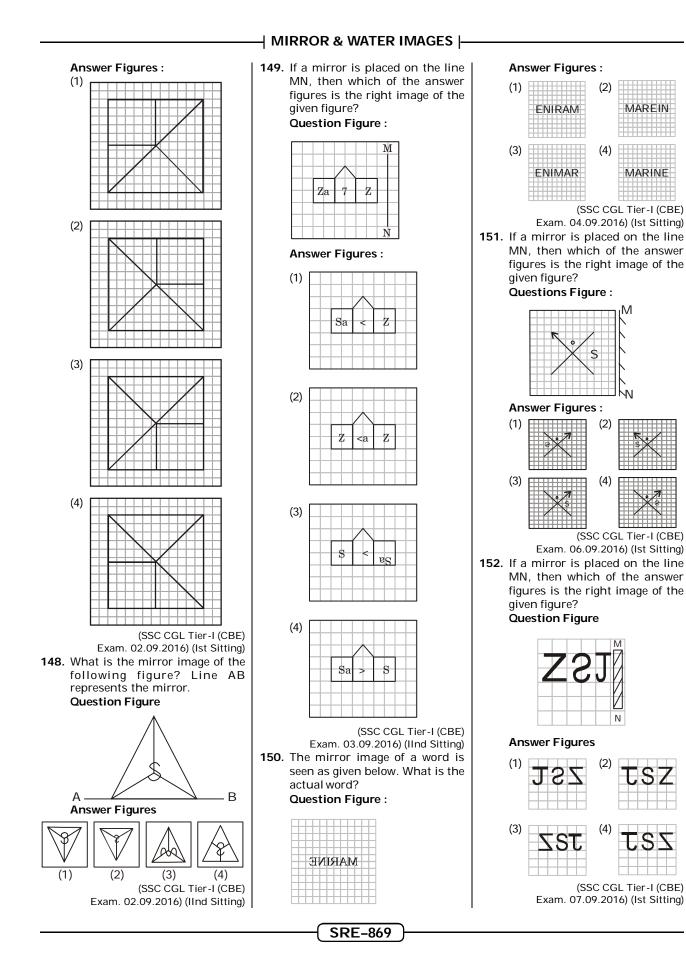
(SSC CGL Tier-I (CBE) Exam. 31.08.2016) (Ist Sitting)

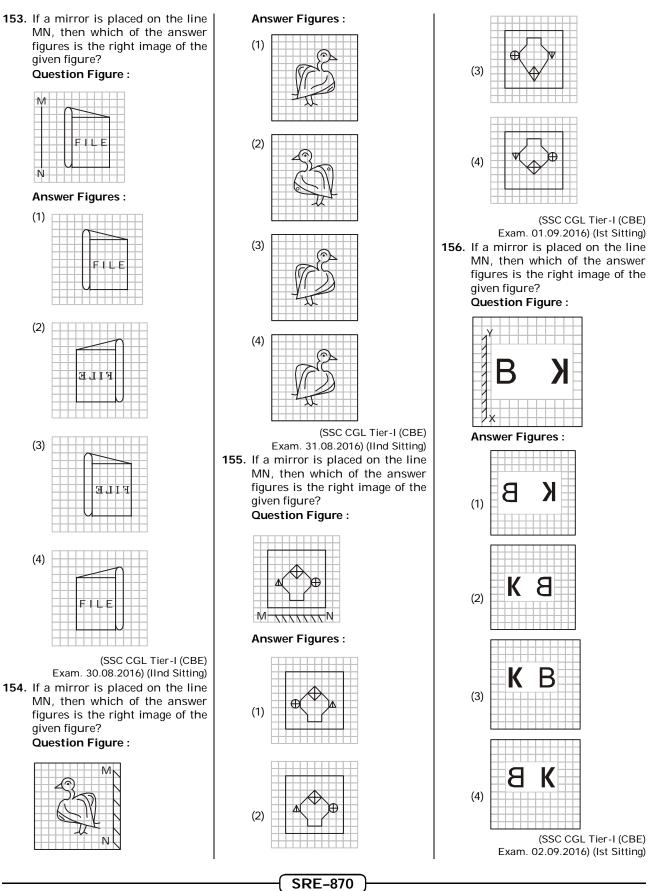
**146.** If a mirror is placed on the line AB, then which of the answer figures is the right image of the given figure ?

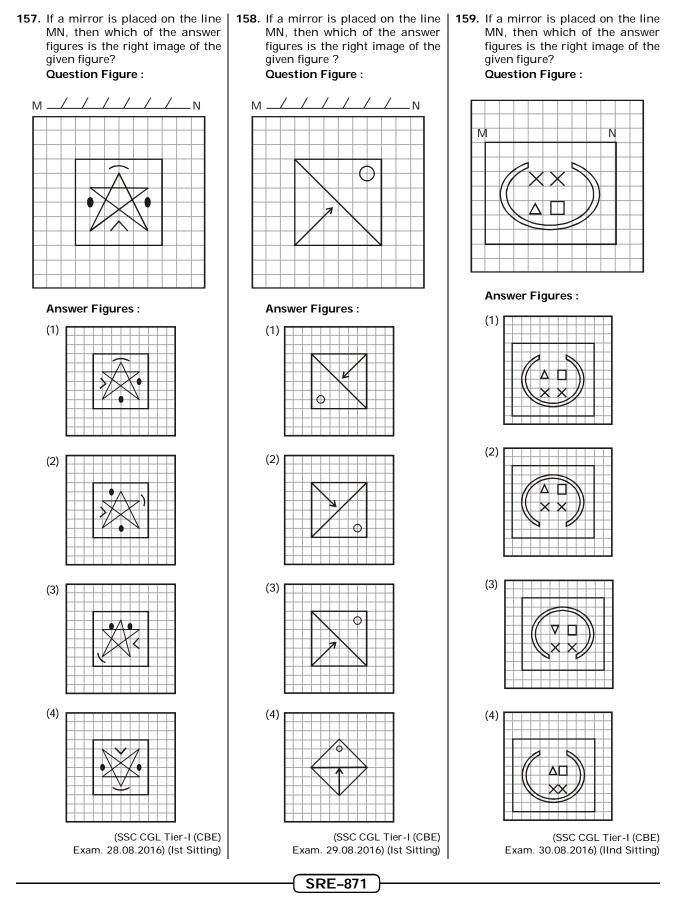


MN, then which of the answer figures is the right image of the given figure? Question Figure :

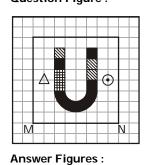


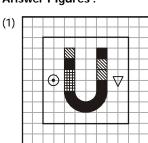


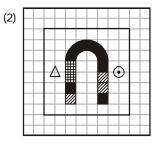


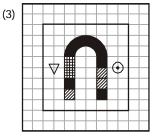


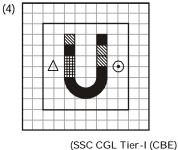
160. If a mirror is placed on the line **161.** If a mirror is placed on the line MN, then which of the answer figures is the right image of the given figure? **Question Figure :** 



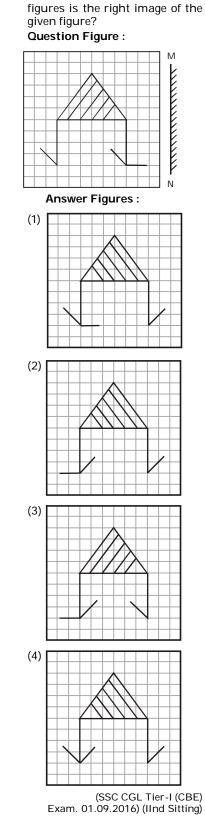








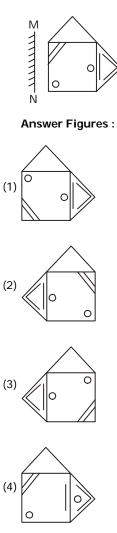
Exam. 31.08.2016) (IInd Sitting)



| MIRROR & WATER IMAGES |-

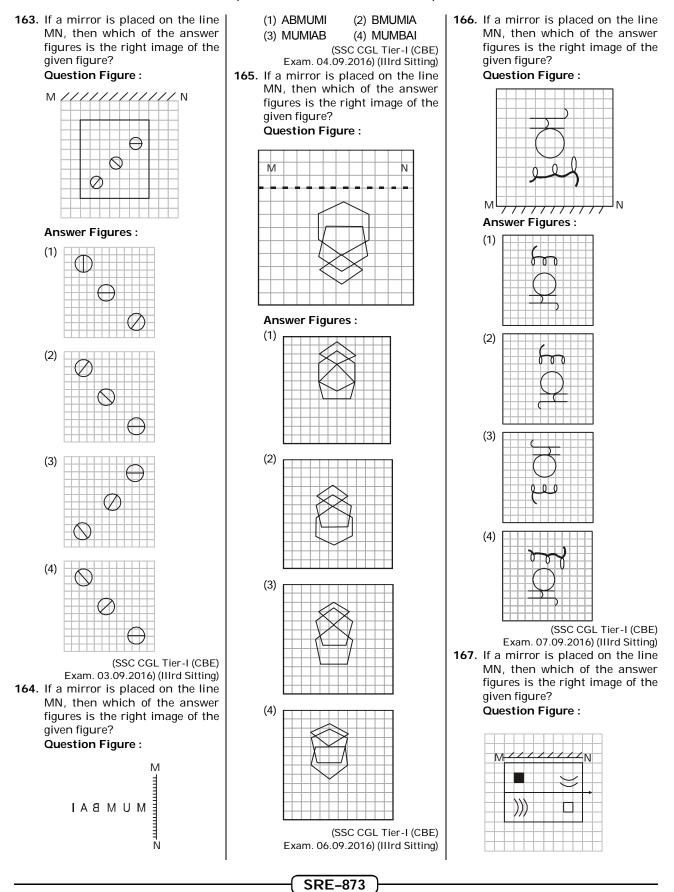
MN, then which of the answer

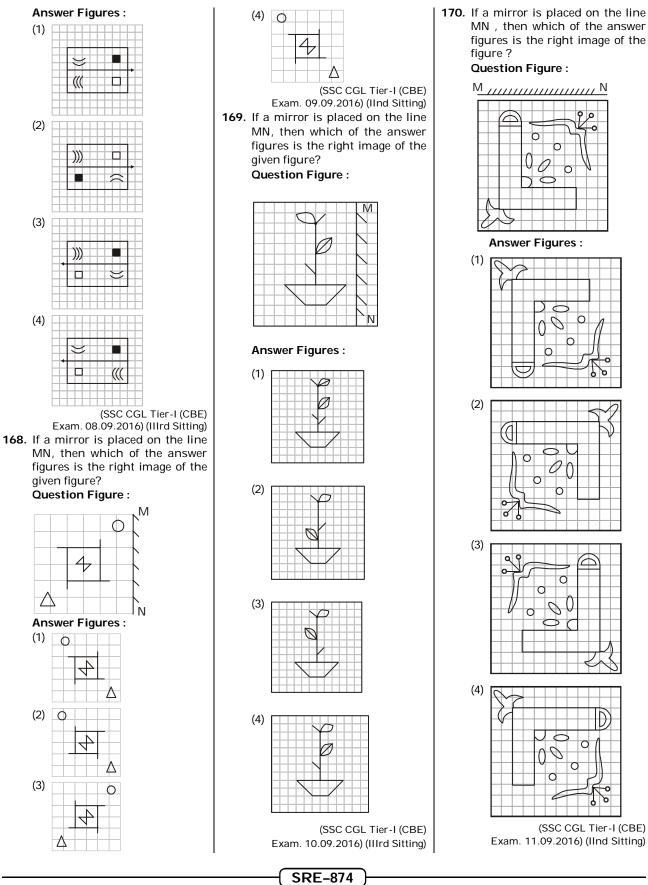
162. If a mirror is placed on the line MN, then which of the answer figures is the right image of the given figure? **Question Figure :** 



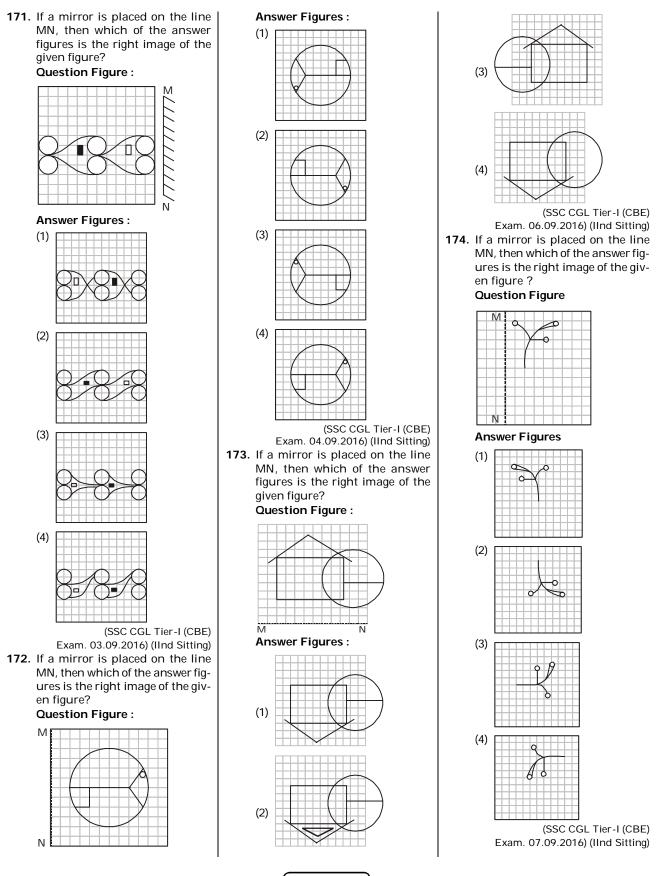
(SSC CGL Tier-I (CBE) Exam. 02.09.2016) (IInd Sitting)

SRE-872

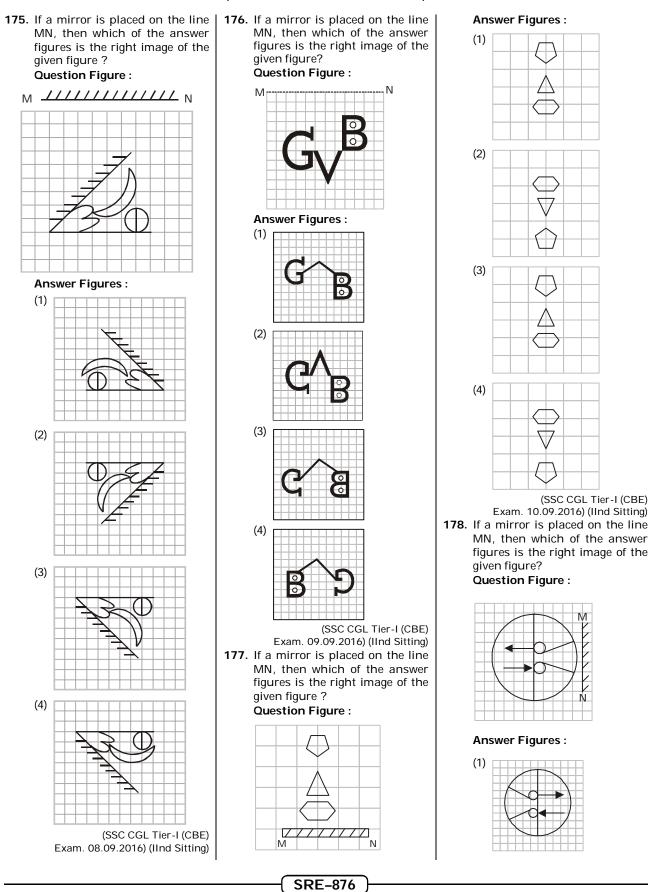


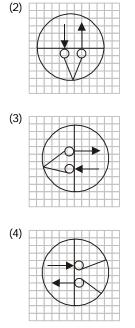


(SSC CGL Tier-I (CBE) Exam. 11.09.2016) (IInd Sitting)



SRE-875

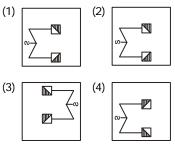




(SSC CGL Tier-I (CBE) Exam. 11.09.2016) (IInd Sitting) **179.** If a mirror is placed on the line MN, then which of the answer figures is the right image of the given figure? Question Figure :



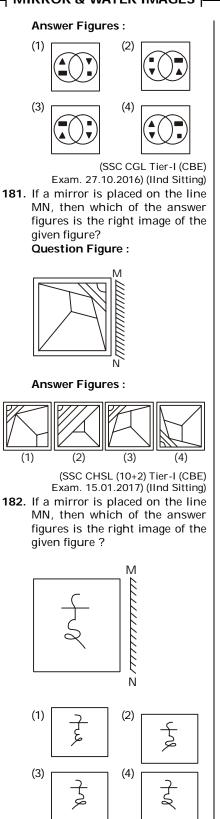




(SSC CGL Tier-I (CBE) Exam. 27.10.2016) (Ist Sitting) **180.** If a mirror is placed on the line MN, then which of the answer figures is the right image of the given figure? **Question Figure :** 



### | MIRROR & WATER IMAGES |-

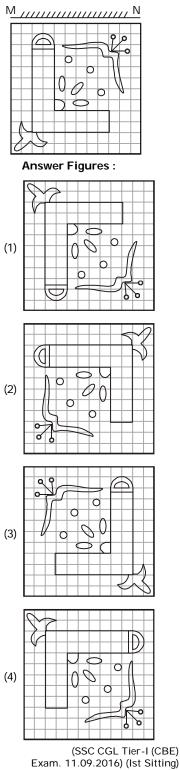


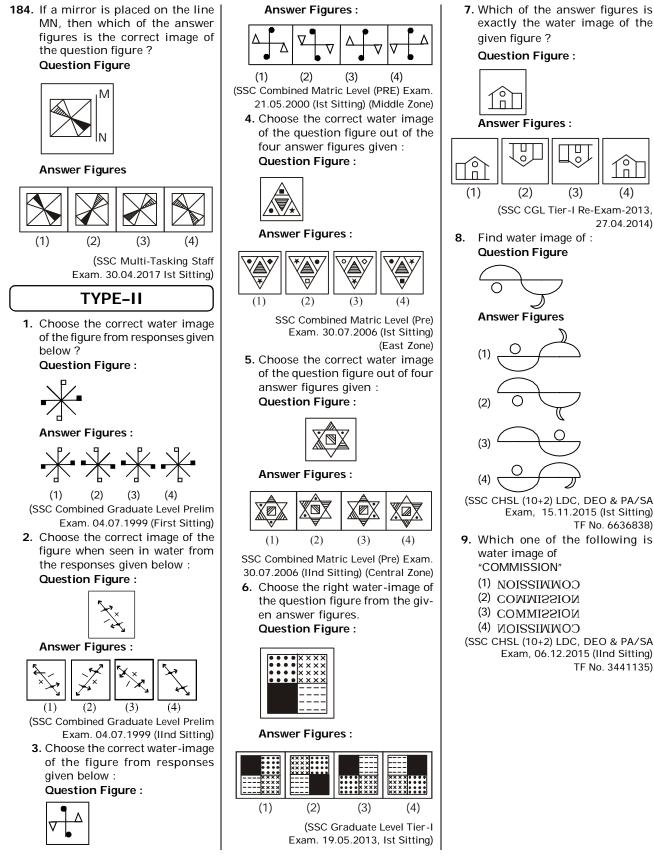
(SSC CHSL (10+2) Tier-I (CBE) Exam. 16.01.2017) (IInd Sitting)

SRE-877

**183.** If a mirror is placed on the line MN , then which of the answer figures is the right image of the figure ?

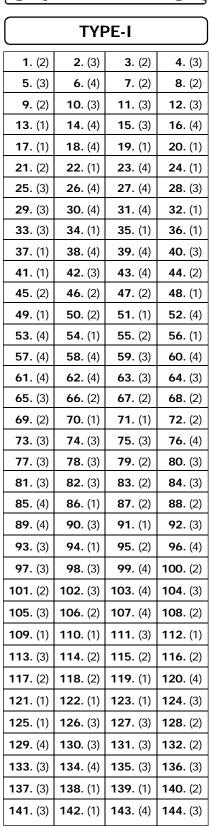
# Question Figure :

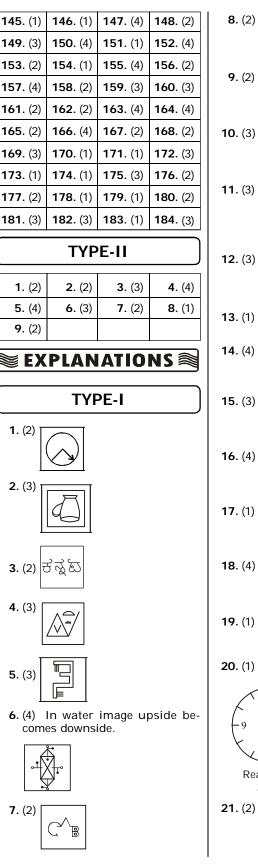


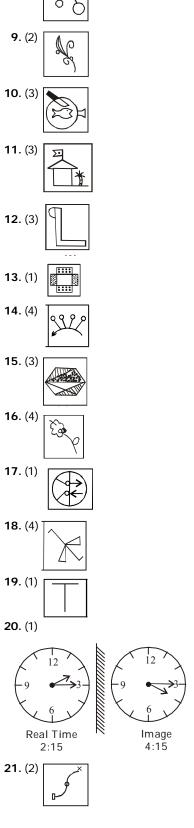


SRE-878

# ANSWERS 🦗







(SRE-879

