

MIRROR IMAGES AND SERIES

Mirror Images and Series Worksheet

For students preparing for MAH-BBCA/BBA/BMS/BBM CET 2024 for admission to BCA, BBA, BMS, BBM

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

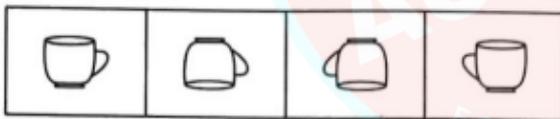
EFFECTIVE

- A. EVITCEFFE
- B. EVITCEFFE
- C. EVITCEFFE
- D. EVITCEFFE

2. Which of the following collections of letters will look the same in the mirror?

- A. OSMIHOM
- B. VHRTRVH
- C. HIMOSTA
- D. AOVIVOA

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



- A. A
- B. B
- C. C
- D. D

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

UTZFY6KH

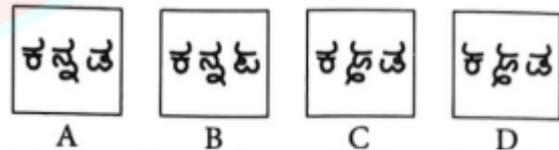
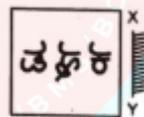
- A. HK9YFZT∩
- B. ∩TZFY9KH
- C. HK9YFZT∩
- D. HK9YFZTU

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

m i R 1 1 T m i m T m

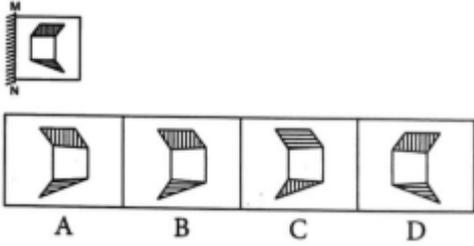
- A. w i R 1 1 T m i m T m
- B. w i R 1 1 T m i m T m
- C. m T m i m T i R i m
- D. None of these.

6. Which of the answer figures is exactly the mirror image of the given figure when mirror is held as shown?



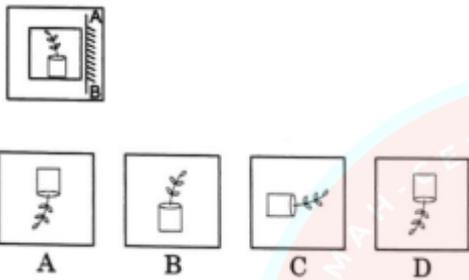
- A. A
- B. B
- C. C
- D. D

7. Which of the answer figure is exactly the mirror image of the given figure, when the mirror is held on the MN?



- A. A
- B. B
- C. C
- D. D

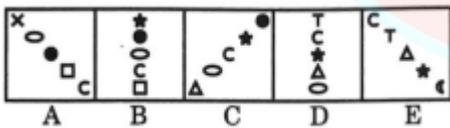
8. Which of the answer figure is exactly the mirror image of the given figure, when the mirror is held on the line AB?



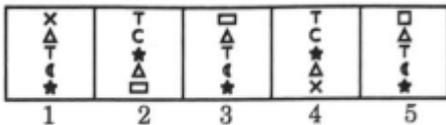
- A. A
- B. B
- C. C
- D. D

9. Which of the answer figure can continue the series of problem figures?

Problem Figures;



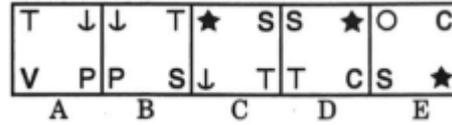
Answer Figures;



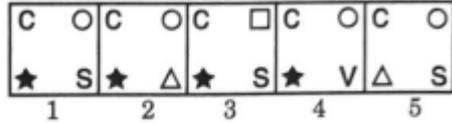
- A. 1
- B. 2
- C. 3
- D. 4
- E. 5

10. Which of the answer figure can continue the series of problem figures?

Problem Figures;



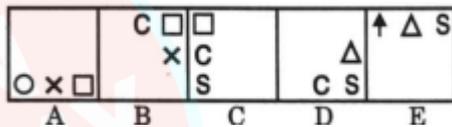
Answer Figures;



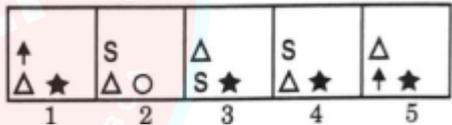
- A. 1
- B. 2
- C. 3
- D. 4
- E. 5

11. Which of the answer figure can continue the series of problem figures?

Problem figures;



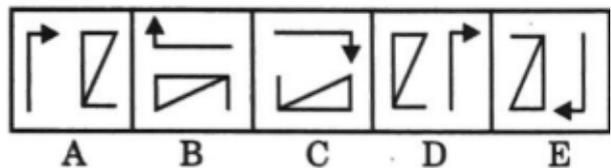
Answer figures;



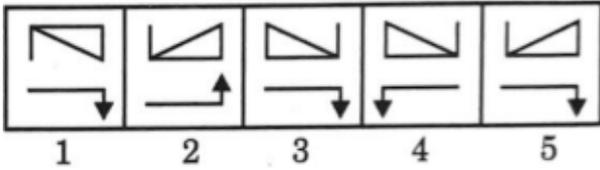
- A. 1
- B. 2
- C. 3
- D. 4
- E. 5

12. Which of the answer figure can continue the series of problem figures?

Problem figures;



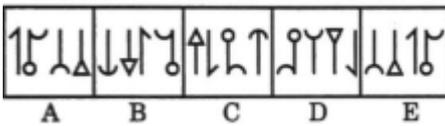
Answer figures;



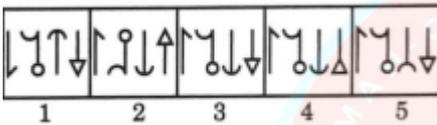
- A. 1
- B. 2
- C. 3
- D. 4
- E. 5

13. Which of the answer figure can continue the series of problem figures?

Problem figure;



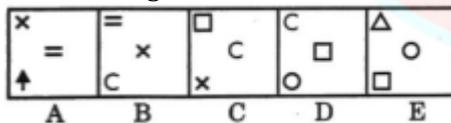
Answer figure;



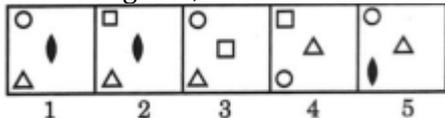
- A. 1
- B. 2
- C. 3
- D. 4
- E. 5

14. Which of the answer figure can continue the series of problem figures?

Problems figure;



Answer figures;

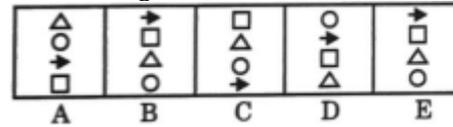


- A. 1
- B. 2
- C. 3

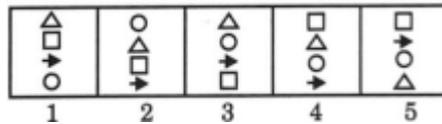
- D. 4
- E. 5

15. Which of the answer figure can continue the series of problem figures?

Problem figures;



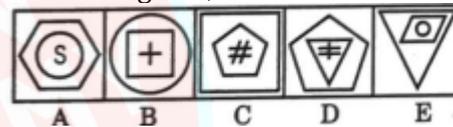
Answer Figures;



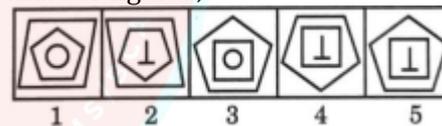
- A. 1
- B. 2
- C. 3
- D. 4
- E. 5

16. Which of the answer figure can continue the series of problem figures?

Problem figures;



Answer figures;



- A. 1
- B. 2
- C. 3
- D. 4
- E. 5

17. Which of the answer figure can continue the series of problem figures?

Problem figures;



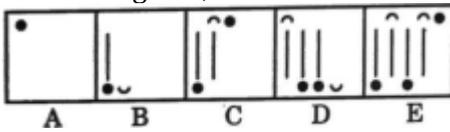
Answer figures;



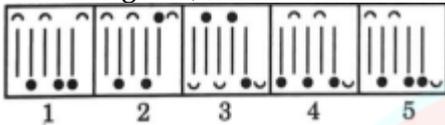
- A. 1
- B. 2
- C. 3
- D. 4
- E. 5

18. Which of the answer figure can continue the series of problem figures?

Problem figures;



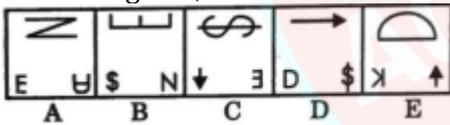
Answer figures;



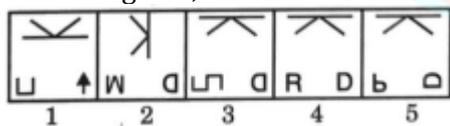
- A. 1
- B. 2
- C. 3
- D. 4
- E. 5

19. Which of the answer figure can continue the series of problem figures?

Problem figures;



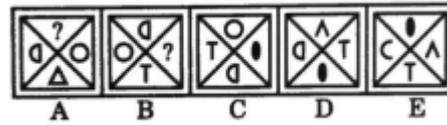
Answer figures;



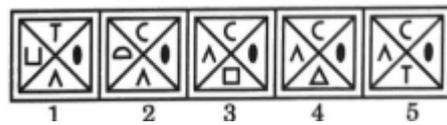
- A. 1
- B. 2
- C. 3
- D. 4
- E. 5

20. Which of the answer figure can continue the series of problem figures?

Problem figures;



Answer figures;



- A. 1
- B. 2
- C. 3
- D. 4
- E. 5

Answer Key

1. A	2. D	3. C	4. D	5. C	6. D	7. A	8. B	9. C	10. B
11. E	12. E	13. C	14. E	15. C	16. A	17. B	18. E	19. C	20. C

HINTS & SOLUTIONS

9. Ans. C

We shall label the symbols (1 to 5) from top to bottom. In one step, the symbol 3 interchanges position with symbol 4; the symbol 2 interchanges position with symbol 3 and the symbol 1 gets replaced by a new one. In the next step, the symbol 1 interchanges position with symbol 2; the symbol 3 interchanges position with symbol 4 and the symbol 5 gets replaced by a new one. The two steps are repeated to continue the series. Also, the complete figure rotates 45° CW, 45° CW, 45° ACW, 45° ACW, 45° CW, sequentially.

square boundary) in a CW direction; the other element gets inverted (about the main line) and rotates 90° ACW and also moves to the adjacent side in a CW direction. In the next step, both the elements rotate through 180° .

13. Ans. C

The elements move in the sequences

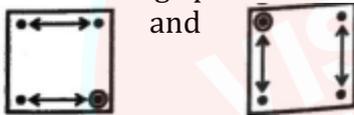


And alternately.



10. Ans. B

The elements interchange positions in the Sequence



We shall number the elements in fig. (A) from left to right as 1, 2, 3 and 4. Then, element 1 gets laterally inverted and vertically inverted alternately; element 2 gets laterally inverted and rotates through 180° alternately; in element 3 the head gets inverted in one step and the complete element gets inverted in the next step; in element 4 also, the head gets inverted in one step and the complete element gets inverted in the next step.

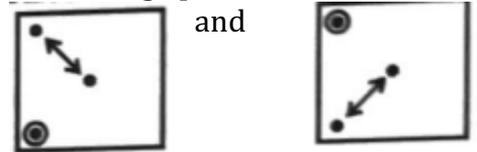
Also, in each step, the element that reaches the encircled position gets replaced by a new element.

11. Ans. E

In each step, all the element move two spaces (each spaces is equal to half-a-side of the square boundary) in an ACW direction; the CW- end element is lost and a new element appears at the ACW-end position Adjacent to the existing element.

14. Ans. E

The element interchange position in the sequence



Alternatively.

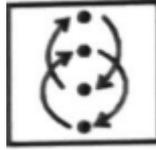
Also, in each step, the element at the encircled position, gets replaced by a new element.

12. Ans. E

In one step, the bent arrow rotates 90° ACW and moves to the adjacent side (of the

15. Ans. C

The element move in the sequence



And



alternatively.

16. Ans. A

In each step, the middle element becomes the outer element and two new elements appear as the middle and the inner elements.

17. Ans. B

The symbol "?" moves from right to left and left to right sequentially in the middle row. The other three elements move two spaces ACW in each step.

18. Ans. E

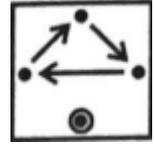
Similar figure appears in every second step. Each time the first figure reappears, a line with a dot (dot downwards) followed by a line with an arc (arc upwards) are added to the LHS of the figure and each time the second figure reappears, a line with an arc (arc upwards) followed by a line with a dot (dot downwards) are added to the LHS of the figure.

19. Ans. C

In each step, the lower-left element enlarges, rotates 90° ACW and reaches the upper position; the upper element reduces in size, rotates 90° ACW and reaches the lower-right position; the lower-right element moves to the lower-left position and gets replaced by a new element.

20. Ans. C

The symbol move in the order



In the first step. In subsequent steps, the symbols move in the order obtained by rotating the above order by 90 degree ACW each time. Also, in each step the symbol that occurs at the encircled position gets replaced by a new symbol.