

ODD MAN OUT

EXERCISE

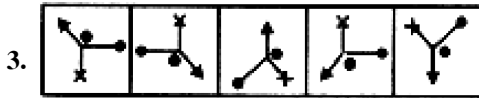
Directions (Q. 1–10) : In each question below five figures are given. Four are similar in a certain way and so form a group. The question is— which one of the figures **does not** belong to that group?



(a) (b) (c) (d) (e)



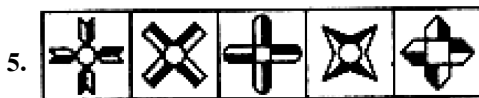
(a) (b) (c) (d) (e)



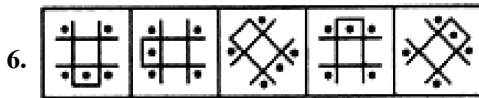
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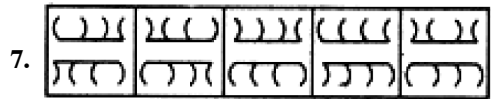
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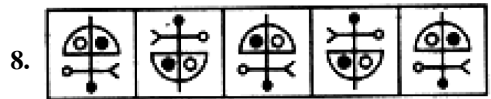
(a) (b) (c) (d) (e)



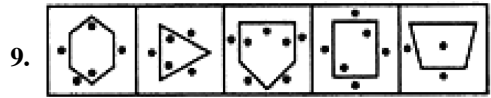
(a) (b) (c) (d) (e)



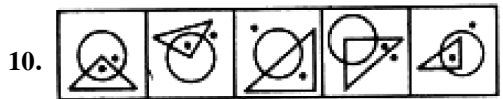
(a) (b) (c) (d) (e)



(a) (b) (c) (d) (e)

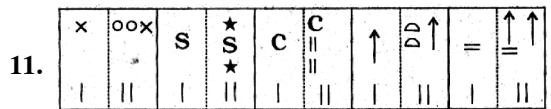


(a) (b) (c) (d) (e)

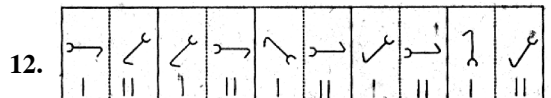


(a) (b) (c) (d) (e)

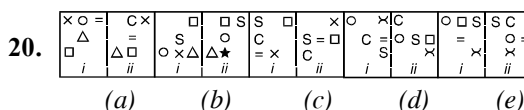
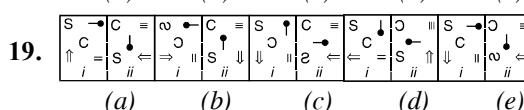
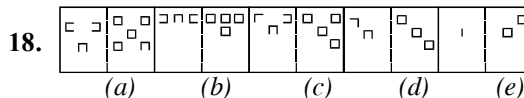
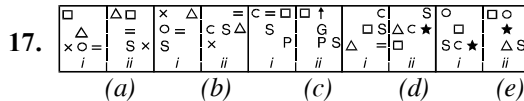
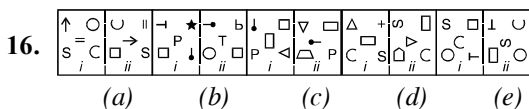
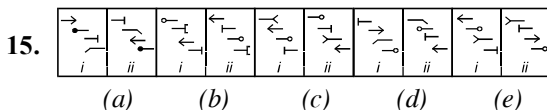
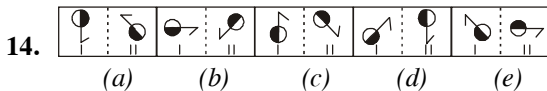
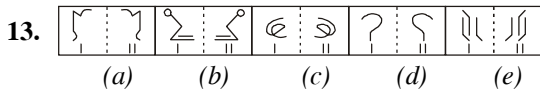
Directions (Q. 11–20) : In each of the following questions, in four out of the five figures, element I is related to element II in the same particular way. Find out the figure in which the element I is **not** so related to element II.



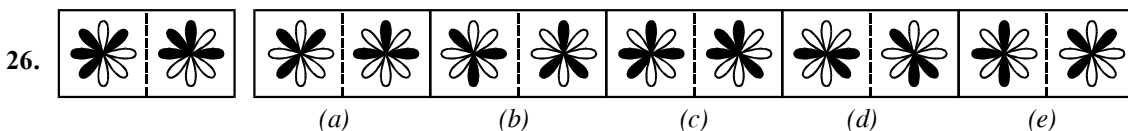
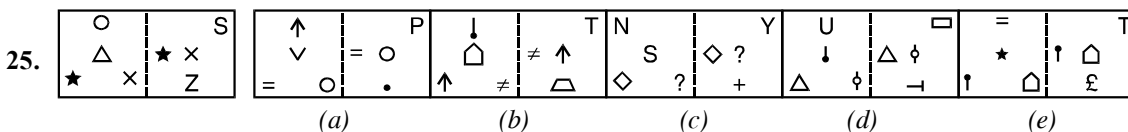
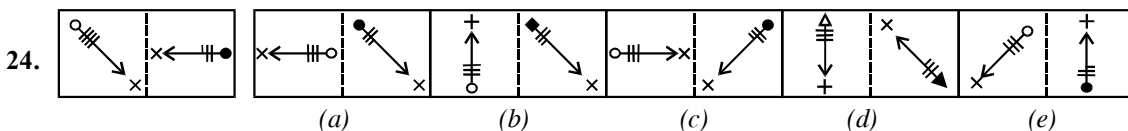
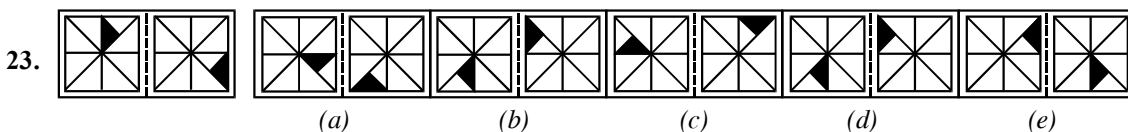
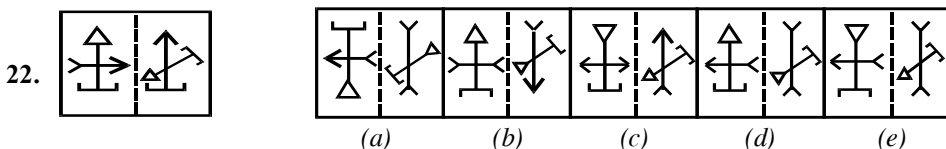
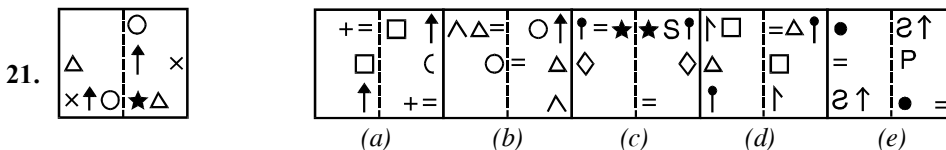
(a) (b) (c) (d) (e)

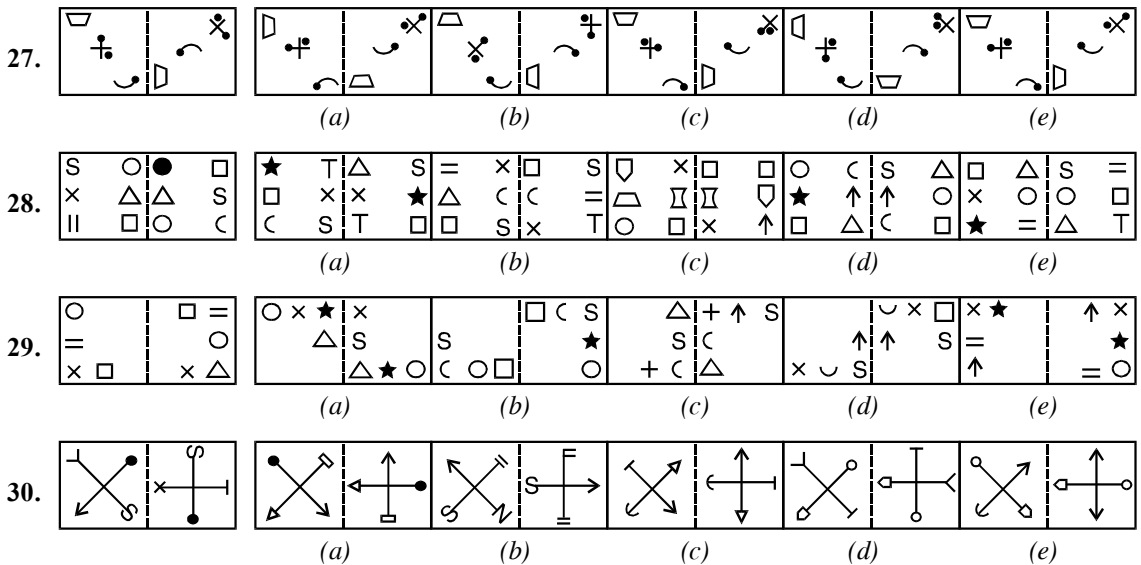


(a) (b) (c) (d) (e)



Directions (Q. 21–30) : In each of the following questions, a related pair of figures (unnumbered) is followed by five numbered pairs of figures. Out of these five, four have relationship similar to that in the unnumbered pair. Only one pair of figures does not have similar relationship. Select that pair of figures which does not have a similar relationship to that in the unnumbered pair. Number of that pair is your answer.





EXPLANATORY ANSWERS

1. **(d)** : In all other figures, the arrow and the + sign lie towards the black end of the main figure.
2. **(a)** : The pins, equal in number of sides in the main figure are attached to the midpoint of a side of the main figure in case of figures (B), (C), (D) and (E). In figure (A), these pins are attached to a vertex of the main figure.
3. **(c)** : In all other figures, the dot appears in the angle formed between the arrow and the pin.
4. **(a)** : All other figures can be rotated into each other. (In each figure except figure (A), the middle element is obtained by rotating the outer element through 90° CW and the inner element is obtained by rotating the middle element through 90° CW).
5. **(c)** : All other figures have at least one line of symmetry.
6. **(c)** : All other figures can be rotated into each other.
7. **(e)** : In each one of the other four figures, four arcs are curved towards the left and four other arcs are curved towards the right.
8. **(c)** : All other figures can be rotated into each other.
9. **(d)** : In all other figures, the number of dots outside the main figure is one more than the number of dots inside the main figure.
10. **(a)** : In all other figures, one of the dots lies outside the triangle as well as the circle.
11. **(e)** : Except in figure (B), in all other figures, from element I to II two new designs are added in one side of the main design.
12. **(c)** : In each figure from element I to II the main design rotates through 135° clockwise or anticlockwise. Except in figure (C), in all other figures, the smaller line segment moves to other side from element I to II.
13. **(a)** : In all other figures the element II can be obtained by the lateral inversion of the element I. In figure (A), the lower design has not been inverted.
14. **(b)** : In figure (B), the small segment is on the same side as that of the half shaded circle in both the elements.

- 15.(d) :** The first design is inverted and moved to third place, the second design is moved to the fourth place, third design to the first place and fourth design is inverted and moved to the second place. Option (D) violates this.
- 16.(b) :** In all other options the top-left element is moved to the centre with 90° clockwise rotation. Here, it is rotated anticlockwise.
- 17.(d) :** All the designs are shifted in a set pattern one behind the other. The fourth design in all others is changed and placed in the last. Here, the fifth and last designs are changed.
- 18.(a) :** In all other pair of figures, all incomplete squares in the first elements are completed and an extra square is added in the second element.
- 19.(a) :** From element I to element II, the 'S' shape is turned 90° clockwise and moved down, the double arrow shape ' $\Rightarrow$ ' is turned 90° clockwise and moved to the right, the two parallel lines one turned by 90° ; one parallel line is added and all three lines are moved up, the line with a dot is turned 90° clockwise and moved to the centre and the 'C' shape in the centre is turned by 180° and moved to top left position. Here, the double arrow is turned anticlockwise.
- 20.(c) :** Starting from one unit, all units are moved in a set pattern, the places of last two units moved are interchanged and the last unit is then made new. Here, no changes are made in the last two units.
- 21.(d) :** From element I to element II clockwise the first unit is moved 2 steps forward, the second unit 1 step forward, the third unit $2\frac{1}{2}$ steps forward and the fourth unit 3 steps forward. In option 'D' the third unit violates the rule.
- 22.(e) :** From element I to element II, the horizontal bar is turned 135° anticlockwise and the unit at the lower end is turned by 180° . The vertical bar is turned 90° anticlockwise and the unit at the lower end is turned by 180° . In option 'E' one more unit at the top is turned by 180° .
- 23.(e) :** In element II, the shade is moved two sections clockwise and shifted from the centre to the base. In option 'E' it is not so.
- 24.(a) :** In element II, the arrow is turned 135° clockwise. In option 'A' it is turned anticlockwise.
- 25.(b) :** From element I to element II, the bottom right unit and bottom left unit are moved to the centre and middle left position respectively. The other two units are removed and two new elements are placed in the top right and bottom centre position respectively. In option 'B' the placement of bottom right and left elements is not right.
- 26.(c) :** In element II, the shades are shifted one petal clockwise. In option 'C' one of the shades is not moved.
- 27.(b) :** From element I to element II, the unit on the top left is turned 90° anticlockwise and moved to the bottom right corner position, the unit in the centre is turned 135° anticlockwise and moved to the top right position, and the unit in the bottom right is turned by 180° and moved to the centre. In option 'B', the middle unit is turned 135° clockwise.
- 28.(a) :** From element I to element II, a new unit is placed in the top left position, the top left unit is moved to the middle right position, the middle right unit is moved to the left position, the middle left unit is replaced by a new unit and placed in bottom right position, the bottom right unit is moved to the top right position, and the top right unit is moved diagonally to replace the bottom left unit. In option 'A', the middle left unit is not changed when moved to the bottom right position.
- 29.(e) :** From element I to element II starting anticlockwise, the first and second units are moved $1\frac{1}{2}$ steps clockwise respectively, the third unit $\frac{1}{2}$ step anticlockwise, the fourth unit 2 steps clockwise, and a new unit is placed ahead of the first unit. Option 'E' violates the rules.
- 30.(e) :** In element II, the cross is turned 135° clockwise and then the positions of left and top units on the cross are interchanged. In option 'E' it is not so.