TYPE -2 : CHOOSING THE MISSING FIGURE IN A SERIES

In this type of questions, two sets of figures are. The given first set will be the question set and it consists of five figures, labelled A, B, C, D, E. The second set is the answer set. There are five answer choices numbered 1, 2, 3, 4, 5. However the figure at C is missing. The candidate is required to choose this figure from the alternatives 1, 2, 3, 4 and 5. The number of selected figure is the answer.
The easiest method for choosing the missing figure is to observe the series from the first and last figure.

1. In eg: (1) The lines and dots decrease by one in each step. So the answer is (4).

2. At first note the movement. The star moves one side ACW and the triangle moves one side CW. So eliminate the figures (1) and (3). Note the rotation of triangle. Triangle move 90° CW. So eliminate the figures (4) and (5). Hence answer is (2).

3. In upper right corner of the square, appears a new figure. The figure (3) can be eliminated. The element in the square rotates in an order. So figures (1), (2) and (4) are ruled out. Hence the answer is (5).
PRACTICE TEST

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ANSWERS AND EXPLANATIONS
1. (3): The step increases by 1 in each turn.
2. (1): One leaf is added in each step and the figure is rotated 45° CW direction.
3. (5): The dot in the upper part increases by one in each step. So the figures (1), (3) and (4) are ruled out. The dot in the lower part decreases by one in each step. So eliminate the figure (2).
4. (2): Three, four, five, .......... lines are added in subsequent steps.
5. (3): The three central figures move one step towards left and the cross moves from corner to corner in CW direction each time.
6. (4): The inner small figure becomes the outer large and a new small figure appears inside it in.
7. (5): The squares in the upper left, lower left and lower right corners rotate 90° CW while one in the upper right corner rotates 90° ACW.
8. (3): The two pairs of symbols interchange positions in one step and a new symbol is added to each pair in the next step.
9. (5): Arcs on the right side and left side of straigt line are inverted in alternate steps.
10. (2): The symbols move ACW each time and the symbol that reaches the left side position gets replaced by a new symbol.
11. (3): One line is added inside the square in each step. One plus sign is removed each time and the remaining plus signs are rotated 45°.
12. (1): Horizontal shading moves clockwise and vertical shading moves anticlockwise.
13. (5): The left side symbols interchange their positions with the right side symbols. One of the right side symbol is replaced by a new one in each time.
14. (2): In each step. Also the symbol that reaches the lower right position gets inverted and the symbol that reaches the upper left position gets replaced by a new one in each step.
15. (4): The figure rotates, 45°, 90°, 135°, 180°, .......... CW in each step.
16. (2): The symbols move in an order in each step. The symbol in the lower right corner disappears and a new symbol appears in the upper right corner.
17. (4): An arc is added inside the square in one step and it comes out of the square and reverses its direction in the other step.
Also an arrow is added to the figure in one step and it gets reversed.
18. (2): The dot moves half side and one side of the square alternately ACW and the symbols are added before and after the dot in alternate steps.
19. (1): In each step the rightmost element becomes the left most and the other elements move to the right. The element that reaches the middle position rotates 90° CW while the third element gets replaced by a new one.
20. (5): The outer figure rotates 90° ACW in every second step.
21. (3): The arrow gets laterally inverted in every second step. The remaining part of the figure rotates through 180° in one step and gets inverted in alternate step. The complete figure moves to the adjacent corner ACW in each step.
22. (3): The triangle changes its position in each step and gets inverted in all steps while the other symbol at the end of the line changes its position and is replaced by a new one in each step.
23. (1): The elements rotates 90° ACW after every two steps.
24. (2): The number of dots increased by one and the dots move in a set pattern.
25. (2): At first, the first, second and third triangles get rotated through 180°; next step, second, third and fourth triangles get rotated through 180°; in the third step, third, fourth and fifth triangles get rotated through 180° and so on.
26. (1): The element at the north-west moves to the north - east in each step. New element is placed at south-east in each step. The middle figure 's' becomes 'K' in each step.
27. (2): The elements rotate 90° ACW and a new 'L' shaped element is introduced in the figure.
28. (1): The first and last symbols interchange their positions in each step. A new symbol appears as the first symbol (counting in a CW direction) and all the symbols move half a side of the square boundary, in ACW direction.
29. (5): Fourth element in first step, first element in second step, second element in third step. .......... remains no change. Amongst the other elements, the smaller ones are enlarged while the larger ones are made smaller. The triangle gets rotated 180° and the arc gets rotated through 180°.
30. (2) : The first unit in column 1, the third unit in column 1, the third unit in column 2, and the first unit in column 2 are removed respectively.

31. (4) : In each step the leftmost element becomes the rightmost and all other element moves one step to the left. The ‘J’ shaped element gets laterally inverted in each step; the elements with triangle and arc at their end get inverted in each step and the arrow gets inverted and also the arrowhead reverses its direction in each step.

32. (3) : The shading portion in the upper left and lower right rotate 90° CW and the shading portion in the upper right and lower left rotates 90° ACW in each step. Also the lower half of a new square gets shaded in each step.

33. (2) : In each step the symbols move in the order. The triangle rotates 90° CW in each step; the arrow rotates 90° CW and ACW alternately; the circle gets black and white in alternate steps; the symbol that reaches the upper left corner gets replaced by a new symbol in each step.

34. (5) : The uppermost triangle rotates 90° ACW, 90° CW, 90° CW, 90° ACW 90° ACW............ in subsequent steps. The middle triangle rotates 90° ACW in every second step. The lowermost triangle gets laterally inverted in each step. The pin rotates 90° ACW and moves from one corner to the next in CW direction in each step.

35. (4) : In one step, one straight line is added and two half leaves are removed from the figure and in the next step, two straight lines are introduced and three half leaves are removed from the figure. The two steps are repeated alternately.

36. (1) : The ‘L’ shaped figure rotates through 90° CW each step and one extra L-shaped figure is added in every two steps. The lower two symbols interchange positions and the symbol that reaches the lower left corner gets replaced by a new one.

37. (1) : The upper part-of the figure changes from triangle to square and then to semi-circle and back to triangle and so on. The number of lines in the upper part increases by one and two alternately. Also, the upper part gets laterally inverted in each step. The arc attached at the lower part of the figure, rotates through 180° and gets inverted in alternate steps.

38. (2) : Similar figure repeats in every third step and each time a figure reappears, it gets inverted.

39. (3) : The elements move half distance CW and a new figure is added to it in each step. The first, third, fifth symbols rotate 90° CW in each step, while the second, forth, .......... symbols rotates 90° ACW in each step.

40. (4) : The lines move one step ACW in each turn. Simultaneously the sign placed opposite to these lines move one step ACW and in each turn the sign is replaced by a new one.

41. The first, second, third and fourth symbols from the top become fourth, third, first and second symbols respectively. The ‘P’ shaped symbol gets inverted and laterally inverted alternately. The arrow gets inverted and its arrowhead also gets inverted in each step; the ‘L’ shaped symbol rotates through 180° and gets inverted. The ‘U’ shaped element rotates 90° CW in each step.

42. (4) : The first symbol (counting in ACW direction) is shifted to the other end in each step.

43. (5) : The figure rotates 45° and 90° ACW alternately. Half a leaf is added to the figure.

44. (3) : In each step the symbols move in the order.

45. (5) : In the first step, the element in the lower right corner is replaced by a new one and all the other elements move CW. In the next step, the element at the lower left corner is replaced by a new one and the other elements move CW.

46. (5) : The innermost element becomes the outermost and the outermost becomes the middle while the innermost element replaced by a new one.

47. (1) : The two upper symbols interchange their positions amongst themselves and the two lower symbols interchange their position amongst themselves. The lowermost and the uppermost symbols are replaced by a new one alternately.

48. (1) : One eighth part of the circle is shaded ACW in each step. The figure rotates 45° and 90° ACW alternately.

49. (3) : The unshaded symbol moves to diagonally opposite corner and gets shaded while the shaded symbol gets replaced by a new unshaded symbol in each step.

50. (1) : In each step the existing straight line is replaced by a square and an extra straight line is introduced.