

## Non verbal Series

The best way solve the reasoning easily and quickly is practice. Practice makes a person perfect and intelligent. Practice more and more then see it becomes easy for you and you solve it magically. Build your mentality and will power strong. Solve all the previous year's papers of verbal and non-verbal reasoning.

Non-verbal reasoning involves the ability to understand and analyse visual information and solve problems using visual reasoning.

Analyses and solve complex problems without relying upon or being limited by language skills

### Directions:

Each of the following questions consists of five figures marked A, B, C, D and E called the Problem Figures followed by five other figures marked 1, 2, 3, 4 and 5 called the Answer Figures. Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.

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### 1. Problem Figures:



### Answer Figures:



(1) (2) (3) (4) (5)

**Ans:** 1. One, two, three, one, two, three.....arcs get inverted sequentially. This inversion takes place in an ACW direction.

### 2. Problem Figures:



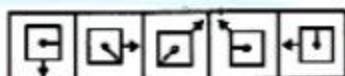
### Answer Figures:



(1) (2) (3) (4) (5)

**Ans: 5** In the first step, the lower-most line segment is converted into a curve. In the second step, the second line segment also gets converted into a curve and the (existing curve is inverted. In each subsequent step, all the elements (line segments and curves) move in the sequence

**3. Problem Figures:**



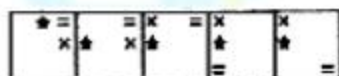
**Answer Figures:**



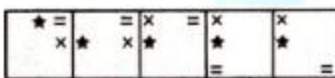
(1) (2) (3) (4) (5)

**Ans: 3** The pin rotates 45°CW and 90°CW alternately and moves one space (each space is equal to half-a-side of the square) and two spaces CW alternately. The arrow rotates 90°ACW and 45°ACW alternately and moves two spaces and one space.

**4. Problem Figures:**



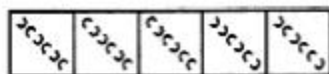
**Answer Figures:**



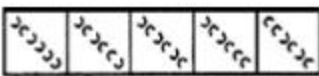
(1) (2) (3) (4) (5)

**Ans: 5** In the first step, the ACW end element moves two spaces (each space is equal to half-a-side of the square boundary) in an ACW direction. In the second step, the CW-end element moves three spaces ACW. In the third step, the remaining element moves four spaces ACW. The three steps are repeated to continue the series.

**5. Problem Figures:**



**Answer Figures:**



(1) (2) (3) (4) (5)

**Ans: 3** We can label the arcs as shown. The arcs get inverted in the sequence (1 & 2), (3, 4 & 5), (6 & 1), (2, 3 & 4), (5 & 6),.....



**6. Problem Figures:**



**Answer Figures:**



(1) (2) (3) (4) (5)

**Ans:** 2 In each step, one of the elements gets laterally inverted.

**7. Problem Figures:**

**Answer Figures:**



(1) (2) (3) (4) (5)

**Ans:** 3 The number of symbols added sequentially is 3, 2, 5, 2, 7, 2, .... These symbols are added to form a sequence of 1, 2, 3, 4, 5, 6 identical symbols.

**8. Problem Figures:**

**Answer Figures:**



(1) (2) (3) (4) (5)

**Ans:** 1. The symbol gets vertically inverted and laterally inverted alternately. It also moves in ACW direction through distances equal to two half-sides (of square boundary) and three half-sides alternately.

**9. Problem Figures:**

**Answer Figures:**



(1) (2) (3) (4) (5)

**Ans:** 3

**10. Problem Figures:**

**Answer Figures:**



(1) (2) (3) (4) (5)

**Ans: 5** In one step, the two elements interchange positions and the smaller element gets enlarged while the larger element gets reduced in size. In the next step, the smaller element is replaced by a new small element and the larger element is replaced by a new large element.

**11. Problem Figures:**



**Answer Figures:**



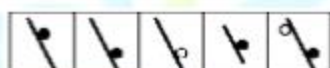
(1) (2) (3) (4) (5)

**Ans: 4** In each step, the CW-end element moves to the ACW-end position.

**12. Problem Figures:**



**Answer Figures:**



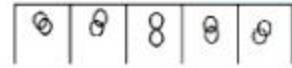
1 2 3 4 5

**Ans: 2** The black dot moves up to down

**13. Problem Figures:**



**Answer Figures:**



**Ans: 1** Each step one circle is removing

**14. Problem Figures:**



**Answer Figures:**



1 2 3 4 5

**Ans: 3** The black dot moves clock wise directions

**15. Problem Figures:**

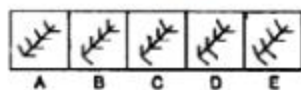


**Answer Figures:**



1 2 3 4 5

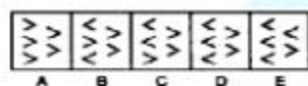
**Ans: 3** A cross line is gradually increased to circle. Last step it will become circle.

**16. Problem Figures:****Answer Figures:**

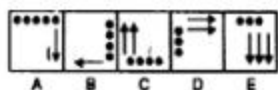
**Ans:** 4 In one step, one of the line segments rotates  $45^\circ$  CW and in the next step, one of the line segments rotates  $45^\circ$  ACW. The lines get rotated in the sequence.

**17. Problem Figures:****Answer Figures:**

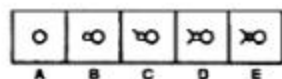
**Ans:** 3 Each step a particular figure reappears, it rotates  $135^\circ$  anti clock wise direction and the shading moves one space ahead.

**18. Problem Figures:****Answer Figures:**

**Ans:** 2 In each step one of the elements gets laterally inverted

**19. Problem Figures:****Answer Figures:**

**Ans:** 5. In each step, all the existing elements move to the adjacent side in a clock wise direction. The number of block circles decreases by one in first, third, fifth steps and the number of arrows increases by one in second, fourth and sixth steps.

**20. Problem Figures:****Answer Figures:**

**Ans:** 4. A new feature is added at each stem (in a set order)