NTSE Non-Verbal Series

NON-VERBAL SERIES

Type-I

In this type of non-verbal test, two sets of figures pose the problem. The sets are called problem Figures and Answer Figures. Each problem figure changes in design from the preceding one. The answer figure set contains four figures marked A, B, C, D. You are required to choose the correct answer figure, which would best continue the series.

- **Directions:** (1 to 12) Study the problem figures carefully and try to establish the relationship between them from the answer figures. Pick out the figure which most appropriately completes the series.
- Ex 1. Problem Figures



Answer Figures



- **Sol.** (D) Note the direction of arrow which changes alternately. The dots are also changing alternately. Hence, we are looking for a figure in which the arrow points down and the dots and positioned as problem figure second.
- Ex 2. Problem Figures



Answer Figures

| 0000 | 0000 | 0000 | 0000 |
|------|------|------|------|
| | | | |

(A) (B) (C) (D)
Sol. (B) The four boxes are changing position in the following way: At first, middle boxes change position (diagonally) and extreme boxes remain

stationary, then extreme boxes change position and middle boxes remain stationary and so on.

Ex 3. Problem Figures



- **Sol.** (C) The same figures rotates up-side-down in alternative figures.
- **Ex 4.** Problem Figures



- **Sol.** (D) The figures is rotated at 90° (in four directions) and the fifth figure in the series shall be same as the first figure
- **Ex 5.** Problem Figures



Sol. (A) The bigger balls diameter is moving at 90° and smaller balls diameter is moving at 45° simultaneously the face of the bigger figure is changing position.

Type-II

In these questions the items in the diagrams either increase or decrease in number.

Ex 6. Problem Figures



Answer Figures

| 000 | 0000 | 0.0 | 0 |
|------------|--------------|----------------|--------|
|) | 0- | 0 | 0- |
| 0 | | 0.0.0 | 0.0.0. |
| (Δ) | (B) | (\mathbf{C}) | (D) |

Sol. (C) The small circles are decreasing consecutively and the black dots are increasing.

Ex 7. Problem Figures



Sol. (D) Signs of Plus are adding up one by one. Problem figure one has one plus sign, problem figure second has two signs, problem figure third has three signs, the next figure should have four signs to keep the same pattern.

Ex 8. Problem Figures



Sol. (D) Here a decreasing trend is followed. In the first figure there are 8 lines cutting through the sides of the sphere. Second figure has 7 lines. The third figure has 6 lines. To continue the series, fourth figure should have 5 lines.

Type-III

The qualitative characteristics of various elements in the diagrams change to complete the series.

Rotation Type: The various elements in the diagrams move in a specific manner. They may rotate in clockwise or anti-clockwise direction.

Ex 9. Problem Figures



Answer Figures



Sol. (D) The sign of plus is rotation clockwise. The pin changes direction alternatively.

Type-IV

Multi-Relations Series: These are mixed series in which various elements in diagrams increase or decrease in number, change/positions in a set pattern.

Ex 10. Problem Figures



Answer Figures



- **Sol.** (C) Note movement of dot which is clockwise and the arrow moves in and out in opposite direction alternately, the circle and square interchange.
- Ex 11. Problem Figures



Answer Figures



- **Sol.** (C) The bottom figure changes its position with the figures in the centre of the big circle, and rest of the figure remains unchanged.
- Ex 12. Problem Figures



Answer Figures



Sol. (C) The half with triangle remains stationary and other half is superimposed on the first half without changing direction.

EXERCISE

- **Directions:** (1 to 11) Each of the following questions consists of five problem figure. These problem figures form a series. Find out the one figure from the answer figures that will continue the series.
- 1. Problem Figures



Answer Figures



Problem Figures





Problem Figures









Directions: (12 to 15) Each of the following question consists of four problem figure. These problem figures form a series. Find out the one figure from the answer figures that will continue the series.

Problem Figures





Directions: (16 to 20) In each of the following questions, there is a set of four figures called problem figures followed by a set of four other figures called answer figures. Problem figures contains a question mark. Select a suitable figure from the answer figures which will substitute this question mark so that a series is formed.





Answer Figures



Directions: (21 to 26) In each of the following questions there are two sets of figures, one set contents problem figures, another set contents answer figures. There is a sequence according to which the problem figures are arranged, select one figure from the set of answer figures which can be placed in sequence after the set of problem figures.

(NTSE Stage-I/Raj./2007) **Problem Figures** 21. Answer Figures (A) (B) (C) (D) **Problem Figures** 22. -L $\langle - \rangle$ Answer Figures 17 (C) (A) (B) (D) **Problem Figures** 23. 00 00 00 00 Answer Figures 00 00 00 100 (A) (B) (C) (D) **Problem Figures** 24. 00 1= Answer Figures (1)~ $\langle \rangle$

(A)

(B)

(C)

(D)



Directions: (27 to 31) In the following questions, some figures are given in a sequence. Find out the figure from the alternatives, which will come in place of the question mark to continue the sequence.

(NTSE Stage-II, 2007) **Problem Figures** 27. Answer Figures (A) (B) (C) (D) **Problem Figures** 28. H **Answer Figures** denote an annumental (A) (B) (C) (D)



Directions: (32 to 36) In the following questions there are two sets of the figures. One set is of problem figures and another set is of answerfigures. Problem figures are arranged in a sequence. One figure from the answer-figures is to be selected such that it can be placed after the series of problem figures





missing. Choose the missing figure from the alternatives.

(NTSE Stage-II, 2008)





Directions: (39 to 40) In the following questions, series of figures are given. Find the correct alternative to continue the series.

(NTSE Stage-II, 2008)





| ANSWER KEY | | | | | | | | | | | | | | | |
|------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| Que. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| Ans. | D | Α | D | D | D | D | D | D | D | D | D | С | D | D | В |
| Que. | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| Ans. | Α | B | С | В | D | D | Α | С | С | B | С | B | D | D | D |
| Que. | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | | | | | |
| Ans. | Α | D | В | D | Α | D | В | C | В | C | | | | | |