

Sainik School

Entrance Exam (Class 6)

Solved Paper 2019

Time : 2 hrs

Marks : 250

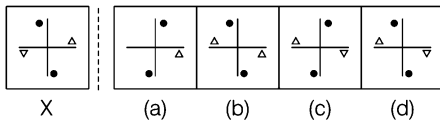
Instructions

1. This paper contains 25 questions of 2 marks each.
2. Write your answers in Blue/Black ink only in the given OMR sheet. Do not use pencil.

Paper 2

Intelligence Test

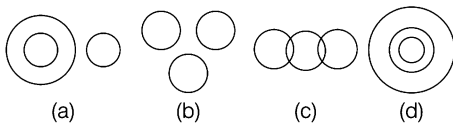
1. If you see the problem figure in the mirror, which figure out of the four figures a, b, c and d will be the mirror image of figure 'X'?



2. Choose the word which is least like the other words in the group.

(a) PICTURE (b) POSTER
(c) BOOK (d) SCENERY

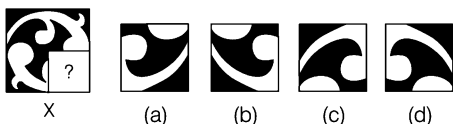
3. Which of the following diagram indicates the best relation between Travellers, Train and Bus?



4. If CAR is to PETROL, then TELEVISION is to.....

(a) ANTENNA (b) TRANSMISSION
(c) ENTERTAINMENT (d) ELECTRICITY

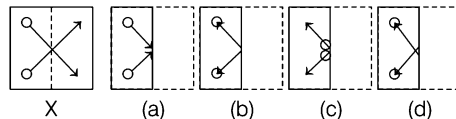
5. Which figure among the four figures a, b, c and d would replace the question mark (?) in figure 'X'?



6. A class of boys stands in a single line. One boy is nineteenth in order from both the ends. How many boys are there in the class?

(a) 27 (b) 37 (c) 38 (d) 39

7. If you fold the transparent paper along the dotted line Figure 'X' which alternative figure from a, b, c and d would you get?



8. If SCHOOL is to EDUCATION then BANK is to.....

(a) ATM (b) CHEQUE (c) LOAN (d) LOCKER

9. If the given word is seen in mirror, which alternative would resemble its mirror image?

SHARE

(a) ƎRAH2 (b) ƎRAH2
(c) ƎRHA2 (d) Ǝ2AH2

10. Choose the alternative that resembles the water image of the given alpha-numeric series below.

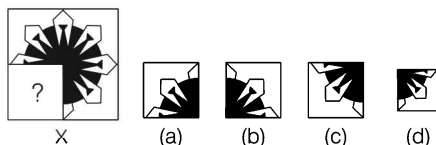
HR2642O

(a) OS0A2SFH (b) HYS0A2SO
(c) OS0A2SFH (d) HYS0A2SO

11. Choose the word which is least like the other words in the group.

(a) EARTH (b) SUN
(c) MERCURY (d) JUPITER

12. Which figure among the four alternatives a, b, c and d would replace the question mark (?) in the figure X?



13. If all directions are rotated clockwise by 90° angle i.e North is changed to West, East to North and to on, then what will come in place of North-West?

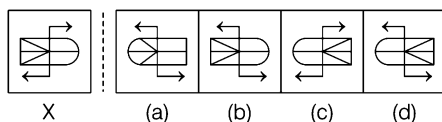
- (a) South- West (b) North- East
(c) South- East (d) East- West

14. Choose the word which can be formed from the given word.

INFRASTRUCTURE

- (a) RUPTURE (b) SCULPTURE
(c) FRACTURE (d) VULTURE

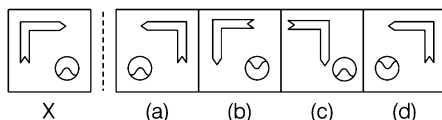
15. If you see the problem figure in the mirror along the dotted line, which figure out of the four figures a, b, c and d will be the mirror image of figure 'X'.



16. Choose the word which is least like the other words in the group.

- (a) STUDENT (b) LAWYER
(c) MECHANIC (d) ENGINEER

17. If you see the problem figure 'X' in the mirror, which figure out of the four figures a, b, c and d will be the mirror image of it

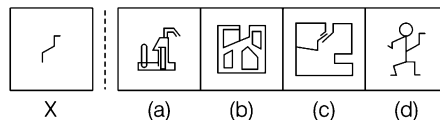


18. If '+' means \div , \div means $-$, $-$ means \times and \times means $+$, then what would be the answer of the equation?

$$12 + 6 \div 3 - 2 \times 8 =$$

- (a) -2 (b) 2 (c) 4 (d) 8

19. Figure 'X' is embedded in any one of the four alternative figures a, b, c or d. Find the alternative which contains figure 'X' as its part.



20. If ' \div ' means ' \times ', ' \times ' means ' $+$ ', ' $+$ ' means ' $-$ ' and ' $-$ ' means ' \div ' then what would be the answer of the equation?

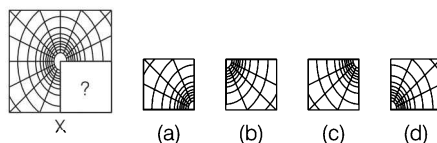
$$16 \times 3 + 5 - 2 \div 4 = ?$$

- (a) 9
(b) 10
(c) 19
(d) None of these

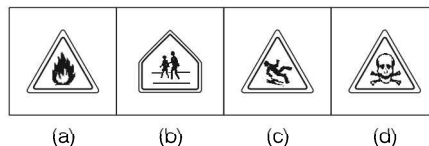
21. Nitin ranks eighteenth from the top in a class of 49 students. What is his rank from the last?

- (a) 18 (b) 19
(c) 31 (d) 32

22. Which figure among the four alternatives a, b, c and d would replace the question mark (?) in the figure 'X'?



23. Find out the figure which does not belong to the group of other figures.



24. Find the missing number in the number series given below.

6, 11, 21, 36, 56,.....?

- (a) 42 (b) 51
(c) 81 (d) 91

25. Find the missing number that has same relation to 26 as 37 has to 19.

19:37::26:?

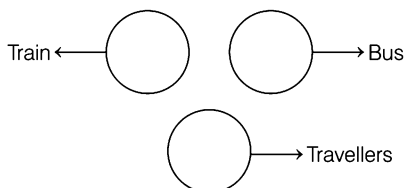
- (a) 52 (b) 51
(c) 46 (d) 43

Answers

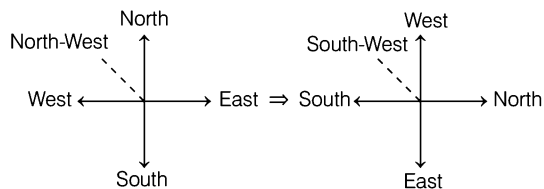
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Hints & Solutions

- Image (c) will be the mirror image of the figure X.
- Except Book, all the others are same.
-



- As CAR is run on PETROL, similarly TELEVISION is run on ELECTRICITY.
- The figure (a) will replace the question mark (?) in figure X.
- Number of boys in the class = Position of boy from beginning + Position of boy from end - 1.
 $= 19 + 19 - 1 = 37$
- On folding the transparent paper along the dotted line of figure X answer figure (b) is obtained.
- As, SCHOOL provides EDUCATION, similarly BANK provides LOAN.
- If the given word is seen in mirror, then it will resemble the image given in option (a).
- The answer figure (d) will resemble the water image of the given series.
- Sun is a star whereas Earth, Mercury and Jupiter are planets.
- The figure given in option (c) will come at the place of question mark (?) in the given figure X.
- According to the question,



∴ In place of North-West, there will be South-West.

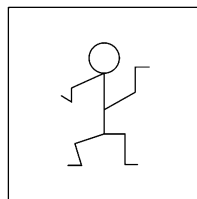
- The word FRACTURE can be formed from INFRASTRUCTURE as its all the alphabets are present in the given word.
- The answer figure (d) will be the mirror image of the figure X.

- Except STUDENT, all the others are professions.
- The answer figure (a) will be the mirror image of the figure X.
- Given equation, $12 \div 6 + 3 - 2 \times 8$

According to the question, on changing signs, we get

$$\begin{aligned} 12 \div 6 - 3 \times 2 + 8 \\ = 2 - 3 \times 2 + 8 \\ = 2 - 6 + 8 \\ = 10 - 6 = 4 \end{aligned}$$

- The given figure X is embedded in figure D.

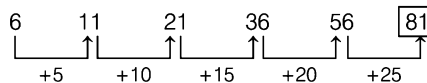


- Given equation, $16 \times 3 + 5 - 2 \div 4$
 According to the question, on changing signs, we get
 $16 + 3 - 5 \div 2 \times 4 = ?$
 $\therefore ? = 16 + 3 - \frac{5}{2} \times 4$
 $= 16 + 3 - 5 \times 2$
 $= 16 + 3 - 10$
 $= 19 - 10 = 9$

- Nitin's rank from the last
 $= \text{Total students} - \text{Rank from top} + 1$
 $= 49 - 18 + 1 = 32$

- The answer figure (b) will come at the place of question mark (?) in the figure X.
- Except figure in (b), in all the other figures, the outer figure is triangle, while in figure (b) the outer figure is pentagon.

24.



- As, $19 \times 2 - 1 = 37$
 Similarly, $26 \times 2 - 1 = 51$