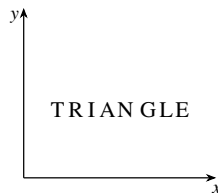


- 1) Getting to the top is _____ than staying on the top [2021 CE]

- a) more easy c) easiest
b) much easy d) easier

- 2) The mirror image of the below text above the x - axis is [2021 CE]



ELGIN AIRT

- a)

ENDING

- b)

ELDON ART

- c)

ELGN AIRT

- d)

- 3) In a company, 35% of the employees drink coffee, 40% of the employees drink tea and 10% of the employees drink both tea and coffee. What % of employees drink neither tea nor coffee? [2021 CE]

- a) 15 b) 25 c) 35 d) 40

- 4) \oplus and \odot are two operators on numbers p and q that $p \oplus q = \frac{p^2+q^2}{pq}$ and $p \odot q = \frac{p}{q}$;
If $x \oplus y = 2$, then $x =$ [2021 CE]

- a) $\frac{y}{2}$ b) y c) $\frac{3y}{2}$ d) $2y$

5) Four persons P, Q, R and S are to be seated in a row, all facing the same direction, but not necessarily in the same order. P and R cannot sit adjacent to each other. S should be seated to the right of Q . The number of distinct seating arrangements possible is: [2021 CE]

- a) 2 b) 4 c) 6 d) 8

6) Statement: Either P marries Q or X marries Y
Among the options below, the logical **NEGATION** of the above statement is: [2021 CE]

- a) P does not marry Q and X marries Y .
b) Neither P marries Q nor X marries Y .
c) X does not marry Y and P marries Q .
d) P marries Q and X marries Y .

7) Consider two rectangular sheets, Sheet M and Sheet N of dimensions $6\text{cm} \times 4\text{cm}$ each.

Folding operation 1: The sheet is folded into half by joining the short edges of the current shape.

Folding operation 2: The sheet is folded into half by joining the long edges of the current shape.

Folding operation 1 is carried out on Sheet M three times.

Folding operation 2 is carried out on Sheet N three times.

The ratio of perimeters of the final folded shape of Sheet N to the final folded shape of Sheet M is _____ [2021 CE]

- a) 13 : 7 c) 7 : 5
b) 3 : 2 d) 5 : 13

8) Five line segments of equal lengths, PR, PS, QS, QT and RT are used to form a star as shown in the figure below. The value of θ , in degrees, is _____ [2021 CE]

