

## Strand Test (Number and Operation)

### Question 1

I. 3681 is divisible by:

- a) 4
- b) 5
- c) 9
- d) 10

II. The difference of  $22 - (-87)$  is

- a) 107
- b) 108
- c) 109
- d) 110

III. Repeated multiplication can be written in the form of

- a) addition
- b) division
- c) exponent
- d) multiplication

IV. Standard form of  $4 \times 10^9 + 5 \times 10^7 + 6 \times 10^3$  is

- a) 4050006000
- b) 4000050600
- c) 40050060060
- d) 405006000

V. The GCF of 7 and 10 is

- a) 4
- b) 3
- c) 2
- d) 1

VI. The LCM of 12 and 18 is

- a) 4
- b) 6
- c) 12
- d) 36

VII. Sonam spent,  $\frac{1}{2}$  hours for completing homework and spent  $\frac{4}{2}$  hours to read the books during her week ends. Find the total time spent by Sonam?

- a)  $\frac{3}{2}$
- b)  $\frac{4}{2}$
- c)  $\frac{5}{2}$
- d)  $\frac{6}{2}$

VIII. The product of  $4.5 \times 4.5$  is

- a) 2.025
- b) 202.5
- c) 20.25
- d) 0.2025

IX. The correct ascending order of the integer  $-23, -25, -21, -19$  is

- a)  $-25 > -23 > -21 > -19$
- b)  $-23 > -25 > -21 > -19$
- c)  $-25 < -23 < -19 < -21$
- d)  $-25 < -23 < -21 < -19$

X. A ratio equivalent to  $3:7$  is

- a)  $3:9$
- b)  $6:10$
- c)  $9:21$
- d)  $18:49$

#### Question 2

a) Find the lcm of 4, 8 and 12

b) Create a number line to add integers:  $(-8) + (+9)$

- c) The distance from Uranus to Neptune in our solar system is 1,627,450,000 kilometres. Express the distance in exponential and expanded form.
- d) Dorji paints a pole completely using 3 colours. He paints  $\frac{5}{8}$  m using green color,  $\frac{1}{2}$  m using red color and  $\frac{3}{4}$  m using orange color. How long is the pole?
- e) 100 students were asked about their favourite fruits.
- 70 students chose apple
  - 20 chose bananas
- i) What percent chose apples?
- ii) What percent did not choose apples?
- iii) What percent of the students chose bananas?
- f) The area of football ground is 882.32 unit<sup>2</sup> and the length is 32.8 unit respectively. What will be the width of football ground?
- g) Dawa can wash 95 cars in 5 days. How many cars can he wash each day?