



Standard 6

MATHS

Time: 1.30 hour

Marks: 30

I. Choose the correct answer:

4×1=4

- 1) The reciprocal of $\frac{53}{17}$ is
- a) $\frac{53}{17}$ b) $5\frac{3}{17}$ c) $\frac{17}{53}$ d) $3\frac{5}{17}$
- 2) One unit to the right of -7 is
- a) +1 b) -8 c) -7 d) -6
- 3) The side of a square is 10 cm. If its side is tripled, then by how many times will its perimeter increase?
- a) 2 times b) 4 times c) 6 times d) 3 times
- 4) The opposite of -19 is
- a) -19 b) 19 c) 0 d) $\frac{1}{19}$

II. Fill in the blanks:

3×1=3

- 5) The sum of whole number and a proper fraction is called _____.
- 6) _____ is an integer which is neither positive nor negative.
- 7) Perimeter of a rectangle _____.

III. True or False:

3×1=3

- 8) The reciprocal of an improper fraction is always a proper fraction.
- 9) All negative integers are greater than zero.
- 10) $2 \text{ cm}^2 = 2000 \text{ mm}^2$.

IV. Answer any FOUR questions:

4×2=8

- 11) Simplify: $\frac{3}{7} + \frac{2}{3}$
- 12) Divide: $4\frac{1}{2}$ by $3\frac{1}{2}$
- 13) On the number line, which number is 5 units to the left of 3?
- 14) Write all the integers between the given numbers. (i) 7 and 10 (ii) -5 and 0
- 15) Find the length of the rectangular blackboard whose perimeter is 6 m and the breadth is 1 m.
- 16) Find the perimeter and the area of the square whose side is 8 cm.

V. Answer any FOUR of the following questions:

4×3=12

- 17) In a juice shop, if a man prepared $1\frac{1}{2}$ litres of juice from 1 kg of oranges, then how many litres of juice can be prepared from $12\frac{3}{4}$ kg of oranges?
- 18) From his office, a person wants to reach his house on foot which is at a distance of $5\frac{3}{4}$ km. If he had walked $2\frac{1}{2}$ km, how much distance still he has to walk to reach his house?

19) Arrange the following integers in ascending, descending order:

-15, 0, -7, 12, 3, -5, 1, -20, 25, 18

20) Answer the following questions from the number line given below:



- (i) Find the integer that represents C.
 - (ii) Find the pairs of letters which are opposite of a number.
 - (iii) How many integers are there between G and H
- 21) A field in the shape of a right angled triangle whose base is 25 m and height 20 m. Find the cost of leveling the field at the rate of Rs.45 per sq.m².
- 22) Find the perimeter and the area of the following 'L' shaped figure.

