INDIAN SCHOOL SOHAR **SET - 1**

PERIODIC TEST I (2022-23)

MATHEMATICS

Class: VIII **Max. Marks: 20**

Date: 22/05/2022 **Duration: 45 minutes**

General Instructions:

*This question paper contains **11** questions. **All** questions are compulsory.*
*This question paper is divided in to **three** sections – **Sections A, B** and **C.***
***Section A** comprises of **5** multiple choice questions of **1** mark each.*
***Section B** comprises of **3** questions of **2** marks each. Internal choice has been given in **one** question.*
***Section C** comprises of **3** questions of **3** marks each. Internal choice has been given in **one** question.*

SECTION A

Question numbers 1 to 5 carry 1 mark each

1. For any three rational numbers a, b and c, **a + (b + c) = (a + b) + c**. Name the property under addition.
   a) Closure b) Commutativity c) Associativity d) Distributivity
2. What is the reciprocal of $\frac{-1}{7}$?
   a) 7 b) $\frac{1}{7}$ c) (—7) d) $\left(\frac{-1}{7}\right)$
3. What is the additive inverse of $\left(\frac{-1}{3}\right)$?
   a) 3 b) (—3) c) $\left(\frac{-1}{3}\right)$ d) $\frac{1}{3}$
4. If 3m – 2 = 2m – 3, then the value of 'm' is
   a) (—1) b) 0 c) 1 d) $\left(\frac{-3}{2}\right)$
5. If ax + b = 0, then the value of 'x' is
   a) $\left(\frac{-a}{b}\right)$ b) $\left(\frac{-b}{a}\right)$ c) $\left(\frac{a}{b}\right)$ d) $\left(\frac{b}{a}\right)$

SECTION B

Question numbers 6 to 8 carry 2 marks each

6. Represent $\frac{-3}{7}$ on a number line.
7. Find three rational numbers between $\frac{1}{4}$ and $\frac{1}{3}$.
8. The sum of three consecutive multiples of 11 is 363. Find these multiples.

OR

The present age of Sahil's mother is three times the present age of Sahil. After 5 years their ages will add to 66 years. Find their present ages.

SECTION C

Question numbers 9 to 11 carry 3 marks each

9. Find the value using distributive property: $\left(\frac{-3}{4} \times \frac{2}{3}\right) + \left(\frac{-3}{4} \times \frac{-5}{6}\right)$
10. Solve $5x + \frac{7}{2} = \frac{3}{2}x - 14$
11. Deveshi has a total of Rs. 590 as currency notes in the denominations of Rs. 50, Rs. 20 and Rs. 10. The ratio of the number of Rs. 50 notes and Rs. 20 notes are 3:5. If she has a total of 25 notes, how many notes of each denomination she has?

OR

The perimeter of a rectangular swimming pool is 154m. Its length is 2m more than twice its breadth. What are the length and breadth of the pool?

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