** Bhartiyam International School**

**Periodic Assessment – 1 (2022-23)
 Subject: Maths(SET- B)**

 **Class: VIII**

**Date: 14/07/2022 Max. Mark: 20
Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ Roll No: \_\_\_\_\_\_ Duration: 1 hr**

Instructions:

This question paper consists of four sections.

Section A consists of 6 marks

Section B consists of 4 marks

Section C consists of 6 marks.

Section D consists of 4 marks.

There is no internal choice. All questions are compulsory.

**Section - A**

1. Fill in the blanks: (0.5 $×4$ = 2)

1. The reciprocal of -7 is \_\_\_\_.
2. The unit digit of the square of 809 is \_\_\_\_\_.
3. The multiplicative inverse of $\frac{-6}{5}$ is \_\_\_\_\_.
4. Find the sum of 1 + 3 + 5 + 7 + 9 = \_\_\_\_\_\_\_\_.

2. Multiple choice questions **–** (1 $×$ 4 = 4)

i. Which of the following is a perfect square -

(a) 256 (b) 253 (c) 257 (d) None of these

ii. There are \_\_\_\_\_\_\_ numbers between two rational numbers-

(a) 28 (b) 10 (c) infinite (d) None of these

iii. How many natural numbers lie between 222  and 232  -

(a) 45 (b) 46 (c) 44 (d) None of these

iv. The reciprocal of 0 is -

(a) 0 (b) $\frac{1}{0}$ (c) doesn’t exist (d) None of these

 **Section – B** (2 $× $2 = 4)

3. Multiply -9 with the multiplicative inverse of $\frac{-99}{13}$.

4. By which number should 180 be multiplied so as to get a perfect square number.

 **Section - C** (3 $×$ 2 = 6)

5. Find six rational numbers between$ \frac{4}{5}$ and $\frac{5}{6}$.

6. Find the Pythagorean triplet whose smallest number is 12.

 **Section – D** (4 $×$ 1 = 4)

7. A gardener has 2025 plants. He wants to plant these in such a way that the number of rows and the number of columns remains same. Find the minimum number of plants he need more for this.