** Bhartiyam International School**

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

 **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 -5 is \_\_\_\_.
2. The unit digit of the square of 799 is \_\_\_\_\_.
3. The additive inverse of $\frac{-6}{-5}$ is\_\_\_\_\_.
4. Find the sum of 1 + 3 + 5 + 7 + 9 + 11 = \_\_\_\_\_\_\_\_.

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

i. Which of the following is not a perfect square -

(a) 256 (b) 169 (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 122  and 132  -

(a) 23 (b) 24 (c) 25 (d) None of these

iv. 0 has \_\_\_\_\_\_\_ reciprocal.

(a)No (b) one (c) infinite (d) None of these

 **Section – B** (2 $× $2 = 4)

3. Multiply -7 with the multiplicative inverse of $\frac{-98}{15}$.

4. By which number should 252 be multiplied so as to get a perfect square number.

 **Section - C** (3 $×$ 2 = 6)

5. Find six rational numbers between$ \frac{3}{4}$ and $\frac{4}{5}$.

6. Find the Pythagorean triplet whose smallest number is 18.

 **Section – D** (4 $×$ 1 = 4)

7. A gardener has 1000 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.