

MATHEMATICS

SELF – ASSESSMENT TEST

STD: VIII

Time: 45 mins.

Date: 26.02.2020

Max. Marks: 20

- Simplify $[(5)^0 + (2)^{-3} + (4)^{-2}]^{-1}$
 - Express $(81)^{-5}$ with base 3. [2 + 2]
- Find the value of x for which
$$\left\{\left(\frac{-2}{7}\right)^2\right\}^x \times \left(\frac{-7}{2}\right)^{-1} = \frac{-8}{343}$$
 [4]
- Find the square root of 3.24 by prime factorisation.
 - Find the smallest natural number by which 1,152 should be multiplied to get a perfect square? Write the square root of the number so obtained. [2 + 2]
- Find the square root of 17, 424 using long division method. [4]
- Write a Pythagorean triplet whose one number is 17. [4]

Class 8 Maths