

# MATHEMATICS PROJECT

CLASS: 9

SECTION: A

TOPIC: SIMULTANEOUS LINEAR EQUATION

SESSION: 2021 - 2022

(To be submitted on or before 15th July 2021)

1. Introduction about the earliest history of ALGEBRA.
2. From where the word ALGEBRA is derived?
3. Which segment of Algebra was basically dealt with by Ancient Egyptians?
4. What was Thomas Harriot credited for?
5. What are known as linear equation in one variable and linear equation in two variables?
6. Did Thomas Harriot played an important role with reference to Q 5.?
7. When you equate a linear equation with one variable to 0 what do you obtain?
8. What is the shortcoming of a linear equation in two variables?
9. How old is the history of simultaneous linear equation?
10. Give one Historical example to support your viewpoint in favour of the origin of Simultaneous Linear Equation.
11. Solve the following simultaneous linear equations in two variables:
  - i.  $q^2x - p^2y = 0, px + qy = p^3 + q^3$
  - ii.  $\frac{x + ab}{a} = \frac{y + ab}{b}, ax + by = a^3 + b^3$
  - iii.  $5 + 3xy = 33x, 4 - 7xy = 17x$
12. Give two examples of Simultaneous linear equations in our everyday life.