

## COMPARATIVE STUDY OF CONVENTIONAL METHOD WITH EFFICIENT ALLIGATION METHOD

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### ABSTRACT

Alligation is a faster technique or a shortcut method for solving some problems in aptitude level. The name aptitude itself tells us it needs a time management. We cannot solve all the problems in the normal method because we don't have much time to solve the problems in normal method, so we need to identify some useful shortcuts for solving the same. Under those shortcuts the important one is Alligation. This method can be applied for some kind of partnership problems, Profit loss problems, average problems etc. Briefly says that, this method can be effectively used to find

- The ratio of deposited amounts is to be divided into two people yielding various returns from the specific overall return.
- The ratio of the number of boys and girls in the class, given their average marks for the boys, girls and the overall class.
- etc.

The main use of Alligation method is to solve mixtures and solutions problems ie the problems based on the weighted average situation as applied to the case of two group being mixed together. Mixtures are nothing but two groups of elements with the same unit are mixed together to form a third group containing the elements of the both groups. The word Alligation means linking or joining something [1]. This implies that the method links the question part to the answer part.

**KEYWORDS:** Alligation, Resultant, Solution