## Definition of Permutation.

The ways of arranging or selecting a smaller or an equal number of persons or objects at a time from a given group of persons or objects with due regard being paid to the order of arrangement or selection are called the (different) permutations.
For example : Three different things $\mathrm{a}, \mathrm{b}$ and c are given, then different arrangements which can be made by taking two things from three given things are $a b, a c, b c, b a, c a, c b$.

Therefore the number of permutations will be 6 .

