**Definition of Combination / Selection**

The combination is defined as the different ways, of selecting a group, by taking some or all the members of a set, without the following order. In relation to combinations, the order does not matter at all.

For example, All possible combinations chosen with letter m, n, o :

* When three out of three letters are to be selected, then the only combination is mno
* When two out of three letters are to be selected, then the possible combinations are mn, no, om.

Total number of possible combinations of n things, taken r at a time can be calculated as:

