Tips and Tricks

Helpful Permutation and Combination difference with examples.

Description	Permutation	Combination
	Number of	Number of
What is a	Arrangement or Listing of	Selections or Grouping of
	objects	objects
	If the ordering of objects	If the ordering of objects
Where to use	matters	does not matter
Representation	$^{n}P_{r}$	$^{n}C_{r}$
	Examples	
In a	The number of batting	The number of teams
game of cricket	line up of 11 players out	consisting of 11 players
	of the 15 players	out of 15 players
In a	The number of ways of	The number of ways of
process of prize	distributing 3 distinct	distributing 3 identical
distribution	prizes	prizes

Relation between permutation and combination:

$$^{n}P_{r} = ^{n}C_{r} \times r!$$

In permutation and combination it is important to understand basic type problems and then being able to apply them on new problems.

To be able to master this you should first try to understand basic problems taught in video lectures in depth. Then try to to solve as many problems as possible, with more problems you will get better idea of concepts

As always try to practice timed tests.

Other realted tips are given in next two pages.