Tricks to Solve Question on Coulomb's law

- ❖ Try to draw a diagram that represents all the charges in the problem.

- ❖ You have to identify the charges of interest and q. This can be only possible if you have done proper practice for this section.

- ❖ Try to convert all units to SI.

- ❖ Identify and covert the charges in coulombs and distances in meters.

- ❖ Maintain consistency with the SI value of the Coulomb constant.

- ❖ Wherever it is necessary first of all apply Coulomb's law and for each charge Q , find the electric force on the charge of interest, q.

- ❖ Find the magnitude of the force using Coulomb's law.

- ❖ Sum all the x-components to get the x-component of the resultant electric force.

- ❖ Sum all the y-components to get the y-component of the resultant electric force.