

Mid term topics

- 1) Coulomb's Law
- 2) Superposition Principle
- 3) Electric Field
- 4) Electric Field due to point charge
- 5) Electric Dipole
- 6) Electric Field due to an electric Dipole at an axial Point
- 7) Electric Field at a point on the equatorial line
- 8) Electric field due to an Electric Dipole at any point

Related Problems of all above topics

- 9) Electric Potential
- 10) Equipotential Surface
- 11) Electric Potential as line Integral of electric field
- 12) Potential at a point due to Point charge
- 13) Potential difference b/w two Points

14 Potential due to Group of Point charges

Related Problems.

15 Capacitor & Inductor

16) Principle of a Capacitor

17) Capacitance of a parallel plate capacitor

17) Capacitance of a Parallel Plate capacitor partly filled with a Dielectric Slab

18) Capacitors in Series & Parallel

19) Energy stored in a charged capacitor

20) Energy density

Problems Related to above topics