	Formula	Symbols	Application
1.		I = current, Q = charged, t = time, e = charge of electron	I = current, Q = charged, t = time, e = charge of electron
2.		V = Potential difference, R = Resistance	Relation between V and I
3.		V_d = Drift Velocity A = Areas of cross section	Relation between current and drift velocity
4.		R = Resistance, ρ = Resistivity τ = relaxation time, m = mass of electron	Relation between (i) R and ρ (ii) R and relaxation time
5.		e = charge of electron ρ = resistivity	Relation for resistivity and relaxation time τ
6.		C = conductaine, σ = condcutivity	To find C and σ
7.		j = current density σ = conductance resistivity	Relation between j with V_d and j with E
8.		μ = mobility of electron	To find μ from V_d
9.		α = temperature coefficient of resistance/resistivity	Variation of ρ with temperature
10.		$T_2 - T_1$ = temperature difference	Formula for α
11.		R_s = equivalent resistance in series combination	Series combination
12.		R_p = equivalent resistance in parallel combination	Parallel combination
13.		P = electrical power	Relation for P with V, I and R
14.		r = internal resistance R = External resistance	(I) Current is drawn (II) cell is being charged
15.		r = internal resistance R = External resistance	To find internal resistance by potentiometer
16.		n = number of cells in series R = External resistance	Current drawn when n identical cells are connected in series