

CL29_Q1. Mention the expressions for electrical and thermal conductivities of a metal and hence obtain the Wiedemann-Franz law.

CL29_Q2. State and explain Wiedemann–Franz law.

CL29_Q3. Deduce the Lorenz number.

CL29_Q4. What are the demerits of quantum free electron theory?

CL29_Q5. Obtain the relation between thermal and electrical conductivities of a metal.