

**Syllabus for the post of Junior Technical Officer(Electrical), E-1 Grade**  
**Internal Circular No. CRP/PER/R/2024/145, Dtd. 06.03.2024**

A.C. Fundamentals and related machinery, Basic Electricals & Electronics, Batteries, Conversion from A.C. to D.C., Winding- D.C. and A.C., CEA Regulations, D.C. Motors, D.C. Generators, Electrical Engineering Materials, Single Phase Induction Motors, Three Phase Induction Motors, Synchronous Motors, Power Transformers, Transmission and Distribution, Cables, Illumination, Switchgear & FLP Equipment, Protective Relays, Earthing, Safety.