

## **SYLLABUS FOR THE POST OF JUNIOR EXECUTIVE(E&M), E-1 GRADE (INTERNAL)**

**Internal Circular No. CRP/PER/R/2025/1037, Dt. 08.11.2025**

### **PART – I (Subject related to the post)**

Units, Dimensions & Measurements, Engineering Physics, Electrical Engineering & Basic Electronics, Workshop Technology, Manufacturing Technology, Thermal Engineering, Design of Machine Elements, Refrigeration & Air-Conditioning, Hydraulics & Hydraulic Machinery & Fluid power system, Engineering Mechanics, Engineering Materials, Strength of materials, Electrical circuits, D.C. Machines and Batteries, Electric and Electronic Measuring Instruments, AC Machines, Power Systems, Electrical Installation & Estimation, Digital Electronics and Micro controllers, Power Electronics, Electrical Utilization & Automation, Electric Traction & PLC's, Electric Traction & Renewable Energy sources, General Mechanical Engineering etc.

### **PART-II (General Studies)**

1. General Knowledge
2. General English
3. Quantitative Aptitude & Numerical Ability
4. Test of Reasoning
5. Computer Basics