

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

1. MACHINE TOOLS
2. SOLID MECHANICS
3. THERMODYNAMICS
4. ENGINEERING MATERIALS
5. FLUID MECHANICS AND HYDRAULIC MACHINERY
6. DESIGN OF MACHINE ELEMENTS
7. REFRIGERATION AND AIR CONDITIONING
8. FLUID POWER SYSTEMS
9. AUTOMOBILE ENGINEERING
10. DYNAMICS OF MACHINERY
11. PRODUCTION TECHNOLOGY
12. PRIME MOVERS FOR AUTOMOBILES
13. SAFETY
14. PREVENTIVE MAINTENANCE
15. COOLANTS AND LUBRICANTS
16. PIPES AND PIPE FITTINGS
17. MECHANICAL POWER TRANSMISSION
18. WORKSHOP CALCULATIONS