

Syllabus for selection of JE/P.Way through LDCE Quota Examination

1. General Ability, General Knowledge on Railways, Basics of Computer Knowledge.
2. Basics of Civil Engineering
 - Soil Mechanics – Elements of Soil Mechanics, Physical properties of soils, Compaction, Field methods of compaction.
 - Surveying - Types of surveying and its applications in the field.
 - Levelling -- Level Lines – Datum, bench marks, simple levelling, Fly levelling, recording the levels in field book, method of reducing levels, arithmetical check, Plotting of Longitudinal and cross-sectional profile.
 - Curves – Elements of simple circular curves, setting out simple circular curves, Different methods.
3. Comprehensive guidelines and specifications for Railway formation (Specification No. RDSO/2020) GE-IRS-0004 including latest correction slips.
4. Chapter 3, 10 & 15 of General and Subsidiary Rules (SCR) – 2020 including latest correction & amendments.
5. Discipline & Appeal rules, Leave rules, Pass rules, Hours of work and period of rest (HOER).
6. Stores matter in P.way – Chapter 14 of Engineering Code & TMS (Track Management System) Stores module.
7. Official Language policy and Salient features, rules etc.
8. Indian Railway Permanent Way Manual – 2024 including latest correction slips.
9. Indian Railway Schedule of Dimensions, 1676mm Gauge (BG), Revised 2022 including latest correction slips.
10. Manual for Ultra sonic testing of rails & welds – 2022 including latest correction slips.
11. Indian Railway Track Machine Manual – 2020 including latest correction slips.
12. Indian Railway Standard Specification for Fusion welding of Rails by Alumino – Thermit process – 2022.
13. Indian Railways Small Track Manual (Revised 2024) including latest correction slips.

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