

(63)

Syllabus for promotion to ranker & departmental Wireman- III Grade Pay Rs. 1900/-
Against ranker and departmental quota.

Syllabus

Theory

1. Must be able to read English letters and numerals in all the system (FPS, CGS & MKS).
2. Must be able to read drawings and make simple wiring diagrams.
3. Must have a knowledge of the use, care and maintenance of tools, measuring instruments and gauges & tools.
4. Must be able to chip, file scrape, grind, drill ream, tap, make cable joints and terminations using single and multi-strand cables and solder the same.
5. Must be able to make various types of running cable joints such as 'Y' joint, 'I' joint etc. for copper and aluminum conductors of various gauges.
6. Must be able to use wiring materials for external lighting, internal lighting, heating power installations such as fans motors, switches, plugs, cut-outs, fuses regulators, etc and be able to use junction boxes, bend conduits and carry out concealed wiring.
7. Must be able to carry out the various types of electric wiring in service, station, workshop, and multi storied quarters.
8. Must have a knowledge of the differences in the A.C. single phase & three phase.
9. Must be able to locate positive and negative wires in circuits and the common faults of short circuit and earth fault in wiring.
10. Must have knowledge of UPS system connected for different installation like UTS PRS, FOIS etc.
11. Must have knowledge of different type electrical pump used in Railways.
12. Must be conversant with the safety measures to be adopted and necessary precaution to be taken during the course of his work and also to protect his fellowmen by strictly adhering to rules and regulation (Taking shut down and permit to work)
13. Must have knowledge of artificial respiration and the different type of fire fighting equipment.

Practical Test

1. Wire four points of lighting circuit and one in power circuit in PVC casing & capping or PVC conduit type to a given diagram.
2. Test out and repair an ceiling fan and regulator.
3. Test for Climb on pole.
4. Any other similar test to be prescribed by the Trade Testing Officer.