Syllabus for Skill and Main tests for the post of Technician and Senior Technician

Group I - Circuit Branches


Basics of analog electronic devices - Characteristics of PN Junction diode, Zener diode, BJT, MOSFET, FET, LED, Photo diode and Solar cell

Basics of digital electronics, Number systems, Combinational logic circuits and Sequential logic circuits, Registers, Counters

Linear Integrated Circuits – Op-amps, summers, differentiators, integrators, active filters, Schmitt triggers and oscillators

Basics of Microprocessors and microcontrollers, Assembly language Programming, Basics of Programming in C and Data Structures, Basics of Databases, Operating Systems,


Basics of Instrumentation and Control Systems, Appropriate usage of measuring instruments – MI, MC ammeter & volt meters and watt meter, energy meter, tacho- meter, digital multimeter, DSO, Analog and Digital IC Tester,