

Electronics Engineering

In this part, questions include the topics like Electronic Devices: Energy bands in silicon, intrinsic and extrinsic silicon. Carrier transport in silicon: diffusion current, drift current, mobility, and resistivity. Generation and recombination of carriers. p-n junction diode, Zener diode, tunnel diode, BJT, JFET, MOS, MOSFET, LED, p-i-n and avalanche photo diode, Varactor Diode, Analog Circuits, Digital Circuits, Signal & Systems, Control System & Communication Basics. For Electronics & Communications people Focus on Basic & Fundamental Electronics Concept, Signal & Systems, Wireless Communication, Antennas, Arrays, EM FT.

Computers Engineering :

Computer Engineering section questions will be from MS Office; Computer fundamentals & organization; C, C++ & Java language; Information systems; DBMS; System programming; Operating systems; UNIX; SAD; Data & Network communication; Web technology & programming; Software Engineering, Computer Networks, Databases, Algorithms.

Instrumentation & Measurement:

This includes questions from Basics of Circuits and Measurement Systems, Transducers, Mechanical Measurement and Industrial Instrumentation, Analog Electronics, Digital Electronics, Signal Systems, Measurement System, Process Control, Control Systems & Instrumentation. Focus will be more on Transducers, Measurement & Control Systems. Some questions of Signal & System will be ask in the RRB exam.