

Course Name: Solid State Devices

Faculty Name: Prof. S. Karmalkar

Institute Name: IIT Madras

Introduction, Semiconductor, Equilibrium Carrier Concentration, Carrier Transport, Excess Carriers, PN Junction, Procedure for Device Analysis, Bipolar Junction Transistor (BJT), Metal-Oxide-Semiconductor (MOS) Junction, MOS Field Effect Transistor (MOSFET).