

STUDY PLAN

Basic Electronics		UEE		Network Theory	
Topic	Timing			Topic	Timing
Introduction to Basic Electronics	Recordings-1			Parallel Resonance	Recording-1
Basics of Semiconductor Materials Part-1	Recordings-2	Topic	Timing	Performance Parameters of Series and Parallel Resonance	Recording-2
Basics of Semiconductor Materials Part-2	Recordings-3	Type of Motor and Characteristics	Recording-1	Average & RMS values of difference waveforms	Recording-3
Semiconductor Physics Part-1	Recordings-4	Type of loads	Recording-2	Two Port Networks & Graph Theory	Recording-4
Semiconductor Physics Part-2	Recordings-5	System of electric traction and track electrification	Recording-3	Graph Theory and Questions	Recording-5
PN Junction Diode Part-1	Recordings-6	Speed-time curves for different services	Recording-4	Poly phase Network	Recording-6
PN Junction Diode Part-2	Recordings-7	Calculation of various quantities of Electrical Traction	Recording-5	Poly phase Network	Recording-7
Zener Diode Part -1	Recordings-8	Methods of Electrical Heating	Recording-6	Power Triangle, impedance Triangle, charging and discharging of Inductor and Capacitor	Recording-8
Zener Diode Part -2	Recordings-9	Methods of Electrical Welding	Recording-7	Electric Potential	Recording-9
Tunnel diode, LED	Recordings-10	Introduction and terms used in Illumination	Recording-8	Ohms law, Concept of Resistance	Recording-10
PhotoDiode, Shottcky Diode	Recordings-11	Discharge Lamps, MV and SV Lamps	Recording-9	Types Of Circuit Elements	Recording-11
BJT Part-1	Recordings-12	Basic Principle of Light Control , Types and design of lightning and flood lighting	Recording-10	Concept of Inductor	Recording-12
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BJT Part-3	Recordings-14			Some Functions & Their Laplace Transforms	Recording-14
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