

STUDY PLAN

Power Electronics		Network Theory		Electrical Machine		Basic Electronics		UEE	
Topic	Timing	Topic	Timing	Topic	Timing	Topic	Timing		
Power Electronics-1	Recording-1	Parallel Resonance	Recording-1	Electrical Machine-1	Recording-1	Introduction to Basic Electronics	Recordings-1		
Power Electronics-2	Recording-2	Performance Parameters of Series and Parallel Resonance	Recording-2	Electrical Machine-2	Recording-2	Basics of Semiconductor Materials Part-1	Recordings-2	Topic	Timing
Power Electronics-3	Recording-3	Average & RMS values of difference waveforms	Recording-3	Electrical Machine-3	Recording-3	Basics of Semiconductor Materials Part-2	Recordings-3	Type of Motor and Characteristics	Recording-1
Power Electronics-4	Recording-4	Two Port Networks & Graph Theory	Recording-4	Electrical Machine-4	Recording-4	Semiconductor Physics Part-1	Recordings-4	Type of loads	Recording-2
Power Electronics-5	Recording-5	Graph Theory and Questions	Recording-5	Electrical Machine-5	Recording-5	Semiconductor Physics Part-2	Recordings-5	System of electric traction and track electrification	Recording-3
Power Electronics-6	Recording-6	Poly phase Network	Recording-6	Electrical Machine-6	Recording-6	PN Junction Diode Part-1	Recordings-6	Speed-time curves for different services	Recording-4
Power Electronics-7	Recording-7	Poly phase Network	Recording-7	Electrical Machine-7	Recording-7	PN Junction Diode Part-2	Recordings-7	Calculation of various quantities of Electrical Traction	Recording-5
Power Electronics-8	Recording-8	Power Triangle, impedance Triangle, charging and discharging of Inductor and Capacitor	Recording-8	Electrical Machine-8	Recording-8	Zener Diode Part -1	Recordings-8	Methods of Electrical Heating	Recording-6
Power Electronics-9	Recording-9	Electric Potential	Recording-9	Electrical Machine-9	Recording-9	Zener Diode Part -2	Recordings-9	Methods of Electrical Welding	Recording-7
Power Electronics-10	Recording-10	Ohms law, Concept of Resistance	Recording-10	Electrical Machine-10	Recording-10	Tunnel diode, LED	Recordings-10	Introduction and terms used in Illumination	Recording-8
Power Electronics-11	Recording-11	Types Of Circuit Elements	Recording-11	Electrical Machine-11	Recording-11	PhotoDiode, Shottcky Diode	Recordings-11	Discharge Lamps, MV and SV Lamps	Recording-9
Power Electronics-12	Recording-12	Concept of Inductor	Recording-12	Electrical Machine-12	Recording-12	BJT Part-1	Recordings-12	Basic Principle of Light Control , Types and design of lightning and flood lighting	Recording-10
Power Electronics-13	Recording-13	Concept of Capacitance & Laplace transforms	Recording-13	Electrical Machine-13	Recording-13	BJT Part-2	Recordings-13		
Power Electronics-14	Recording-14	Some Functions & Their Laplace Transforms	Recording-14	Electrical Machine-14	Recording-14	BJT Part-3	Recordings-14		
Power Electronics-15	Recording-15	Resistance in Series and Parallel & Star Delta conversion	Recording-15	Electrical Machine-15	Recording-15	BJT Part-4	Recordings-15		
Power Electronics-16	Recording-16	Capacitance in Series and Parallel	Recording-16			BJT Part-5	Recordings-16		
Power Electronics-17	Recording-17	KVL and KCL	Recording-17			BJT Part-6	Recordings-17		
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Power Electronics-22	Recording-22	Thevenin's, Nortons Theorem	Recording-22			MCQs on FET	Recordings-22		
Power Electronics-23	Recording-23	Maximum Power Transfer Theorem	Recording-23			MOSFET introduction and working	Recordings-23		
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