

STUDY PLAN

Ashish SIR : Electrical Machine			Ashish Sir : Power Systems		
Date	Topic	Timing	Date	Topic	Timing
Tuesday, June 23, 2026	Torque Equation of 3-Phase induction Machines	5:30PM-7.00PM	Thursday, July 2, 2026	Introduction to Power Systems	3:30PM - 4:30PM
Wednesday, June 24, 2026	Torque slip characteristics of 3-phase induction Motors	5:30PM-7.00PM	Friday, July 3, 2026	Generation (Thermal Power plant, Hydro Power Plant)	3:30PM - 4:30PM
Thursday, June 25, 2026	Starters & Braking methods of 3-Phase induction machines	5:30PM-7.00PM	Monday, July 6, 2026	Generation (Nuclear Power Plant), Renewable & Non renewable power plant	3:30PM - 4:30PM
Friday, June 26, 2026	Speed control of 3-Phase induction motors	5:30PM-7.00PM	Tuesday, July 7, 2026	Economic Load factors (Load factor, capacity factor etc.)	3:30PM - 4:30PM
Monday, June 29, 2026	Losses, efficiency, Cogging, Crawling of 3-Phase induction Motors	5:30PM-7.00PM	Wednesday, July 8, 2026	Per unit method Part-1	3:30PM - 4:30PM
Tuesday, June 30, 2026	Consturction and working of 1-Phase induction motors	5:30PM-7.00PM	Thursday, July 9, 2026	Per unit method Part-2	3:30PM - 4:30PM
Wednesday, July 1, 2026	Split phase Induction Motors, Capacitor start, Capacitor start capacitor run, Shaded pole Induction Motors	5:30PM-7.00PM	Friday, July 10, 2026	Question practice Session	3:30PM - 4:30PM
Thursday, July 2, 2026	Hysteresis, Switched Reluctance motors, stepper motors	5:30PM-7.00PM	Monday, July 13, 2026	Power factor improvement Part-1	3:30PM - 4:30PM
Friday, July 3, 2026	Construction & Working of 3-phase Synchronous Machines	5:30PM-7.00PM	Tuesday, July 14, 2026	Power factor improvement Part-2	3:30PM - 4:30PM
Monday, July 6, 2026	Armature reaction of 3-Phase synchronous generators at unity , Lagging pf & Leading pf	5:30PM-7.00PM	Wednesday, July 15, 2026	Power factor improvement Part-3	3:30PM - 4:30PM
Tuesday, July 7, 2026	Voltage Regulation of 3-Phase Synchronous generators	5:30PM-7.00PM	Thursday, July 16, 2026	Power factor improvement Part - 4	3:30PM - 4:30PM
Wednesday, July 8, 2026	Power flow,Synchronous condenser & important curves in synchronous machines in Synchronous Machines	5:30PM-7.00PM	Friday, July 17, 2026	Question practice Session	3:30PM - 4:30PM
Thursday, July 9, 2026	Parallel Operation of Synchronous Machines	5:30PM-7.00PM	Monday, July 20, 2026	Transmission line parameters Part-1	3:30PM - 4:30PM
Friday, July 10, 2026	Working of 3-Phase synchronous motors	5:30PM-7.00PM	Tuesday, July 21, 2026	Transmission line parameters Part-2	3:30PM - 4:30PM
Monday, July 13, 2026	Starting methods of synchronous motors, Synchronizing coefficient	5:30PM-7.00PM	Wednesday, July 22, 2026	Transmission line parameters Part-3	3:30PM - 4:30PM
Tuesday, July 14, 2026	Testings in Synchronous Machines	5:30PM-7.00PM	Thursday, July 23, 2026	Short circuit of fault analysis Part -1	3:30PM - 4:30PM
	Introduction to Electrical Machines	Recording-1	Friday, July 24, 2026	Short circuit of fault analysis Part -2	3:30PM - 4:30PM
	Basic Concepts of Magnetic Materials	Recording-2	Monday, July 27, 2026	Question practice Session	3:30PM - 4:30PM
	Basic concepts of Rotating Machines	Recording-3	Tuesday, July 28, 2026	Short circuit of fault analysis Part -3	3:30PM - 4:30PM

	Working of DC Generators	Recording-4	Wednesday, July 29, 2026	Power system stability Part - 1	3:30PM - 4:30PM
	Construction of DC Machines	Recording-5	Thursday, July 30, 2026	Power system stability Part - 2	3:30PM - 4:30PM
	Commutator & Types of Windings	Recording-6	Friday, July 31, 2026	Switchgear and protection Part-1	3:30PM - 4:30PM
	Emf Equation of DC Generators	Recording-7	Monday, August 3, 2026	Switchgear and protection Part-2	3:30PM - 4:30PM
	Type of DC Generators	Recording-8	Tuesday, August 4, 2026	Switchgear and protection Part-3	3:30PM - 4:30PM
	Questions on DC Generators	Recording-9	Wednesday, August 5, 2026	Switchgear and protection Part-4	3:30PM - 4:30PM
	Armature reaction of DC Generators-1	Recording-10	Thursday, August 6, 2026	Switchgear and protection Part-5	3:30PM - 4:30PM
	Armature reaction of DC Generators-2	Recording-11	Friday, August 7, 2026	Question practice Session	3:30PM - 4:30PM
	Commutation in DC Machines	Recording-12	Monday, August 10, 2026	Cables, insulators Part - 1	3:30PM - 4:30PM
	Methods of improving commutations	Recording-13	Tuesday, August 11, 2026	Cables, insulators Part - 2	3:30PM - 4:30PM
	Characteristics of DC Generators	Recording-14	Wednesday, August 12, 2026	Circuit Breakers Part - 1	3:30PM - 4:30PM
	Basic Principle of Motor	Recording-15	Thursday, August 13, 2026	Circuit Breakers Part - 2	3:30PM - 4:30PM
	Torque Equation of DC Motors	Recording-16	Friday, August 14, 2026	Question practice Session	3:30PM - 4:30PM
	Speed control of DC Motors	Recording-17	Measurement and instrumentation		
	Starting and Braking methods of DC Motors	Recording-18	Date	Topic	Timing
	Efficiency and testing methods of DC Motors	Recording-19	Monday, August 17, 2026	Introduction to Electrical & Electronics Engineering Measurements	3:30PM - 4:30PM
	Basics of Transformers	Recording-20	Tuesday, August 18, 2026	Error Analysis Part-1	3:30PM - 4:30PM
	Construction of transformers & Emf Equation of transformers,	Recording-21	Wednesday, August 19, 2026	Error Analysis Part-2	3:30PM - 4:30PM
	Equivalent circuit, O.C.& S.C. Tests	Recording-22	Thursday, August 20, 2026	Types of Dampings and torques	3:30PM - 4:30PM
	Voltage regulation of transformers, Losses and efficiency of transformers	Recording-23	Friday, August 21, 2026	PMMC	3:30PM - 4:30PM
	3 Phase transformers, Parallel operation of transformers	Recording-24	Monday, August 24, 2026	Rectifier type instruments	3:30PM - 4:30PM
	Construction & Working of 3-Phase Induction Machines	Recording-25	Tuesday, August 25, 2026	Moving iron type instruments - 1	3:30PM - 4:30PM
	Working & Equivalent Circuit of 3-Phase Induction Machines	Recording-26	Wednesday, August 26, 2026	Moving iron type instruments - 2	3:30PM - 4:30PM

Ashish SIR : Electronic Devices			Thursday, August 27, 2026		3:30PM - 4:30PM
			Friday, August 28, 2026	Power factor meter, flux meter, Frequency meter	3:30PM - 4:30PM
			Monday, August 31, 2026	Measurement of Power-1	3:30PM - 4:30PM
Date	Topic	Timing	Tuesday, September 1, 2026	Measurement of Power-2	3:30PM - 4:30PM
Wednesday, July 15, 2026	Electronic Devices - 1	5:30PM-7.00PM	Wednesday, September 2, 2026	Energy meter -1	3:30PM - 4:30PM
Thursday, July 16, 2026	Electronic Devices - 2	5:30PM-7.00PM	Thursday, September 3, 2026	Energy meter -2	3:30PM - 4:30PM
Friday, July 17, 2026	Electronic Devices - 3	5:30PM-7.00PM	Friday, September 4, 2026	Instrument transformers Part-1	3:30PM - 4:30PM
Monday, July 20, 2026	Electronic Devices - 4	5:30PM-7.00PM	Monday, September 7, 2026	Instrument transformers Part-2	3:30PM - 4:30PM
Tuesday, July 21, 2026	Electronic Devices - 5	5:30PM-7.00PM	Tuesday, September 8, 2026	CRO - 1	3:30PM - 4:30PM
Wednesday, July 22, 2026	Electronic Devices - 6	5:30PM-7.00PM	Wednesday, September 9, 2026	CRO - 2	3:30PM - 4:30PM
Thursday, July 23, 2026	Electronic Devices - 7	5:30PM-7.00PM	Thursday, September 10, 2026	AC bridges 1	3:30PM - 4:30PM
Friday, July 24, 2026	Electronic Devices - 8	5:30PM-7.00PM	Friday, September 11, 2026	AC bridges 2	3:30PM - 4:30PM
Monday, July 27, 2026	Electronic Devices - 9	5:30PM-7.00PM	Ashish SIR: Basic Electronics		
Tuesday, July 28, 2026	Electronic Devices - 10	5:30PM-7.00PM	Date	Topic	Timing
Ashish SIR : UEE				Introduction to Basic Electronics	Recording
				Basics of Semiconductor Materials Part-1	Recording
				Basics of Semiconductor Materials Part-2	Recording
Date	Topic	Timing		Semiconductor Physics Part-1	Recording
Wednesday, July 29, 2026	Type of Motor and Characteristics	5:30PM-7.00PM		Semiconductor Physics Part-2	Recording
Thursday, July 30, 2026	Type of loads	5:30PM-7.00PM		PN Junction Diode Part-1	Recording
Friday, July 31, 2026	System of electric traction and track electrification	5:30PM-7.00PM		PN Junction Diode Part-2	Recording
Monday, August 3, 2026	Speed-time curves for different services	5:30PM-7.00PM		Zener Diode Part -1	Recording
Tuesday, August 4, 2026	Calculation of various quantities of Electrical Traction	5:30PM-7.00PM		Zener Diode Part -2	Recording

Wednesday, August 5, 2026	Methods of Electrical Heating	5:30PM-7.00PM		Tunnel diode, LED	Recording
Thursday, August 6, 2026	Methods of Electrical Welding	5:30PM-7.00PM		PhotoDiode, Shottcky Diode	Recording
Friday, August 7, 2026	Introduction and terms used in Illumination	5:30PM-7.00PM		BJT Part-1	Recording
Monday, August 10, 2026	Discharge Lamps, MV and SV Lamps	5:30PM-7.00PM		BJT Part-2	Recording
Tuesday, August 11, 2026	Basic Principle of Light Control , Types and design of lightning and flood lighting	5:30PM-7.00PM		BJT Part-3	Recording
Ashish SIR : Estimation & Costing				BJT Part-4	Recording
				BJT Part-5	Recording
				BJT Part-6	Recording
				BJT Part-7	Recording
Date	Topic	Timing		FeedBack Amplifier	Recording
	Estimation & Costing - 1	Recording		Power amplifier	Recording
	Estimation & Costing - 2	Recording		FET introduction and working	Recording
	Estimation & Costing - 3	Recording		MCQs on FET	Recording
	Estimation & Costing - 4	Recording		MOSFET introduction and working	Recording
	Estimation & Costing - 5	Recording		Op-amp Part-1	Recording
	Estimation & Costing - 6	Recording		Op-amp Part-2	Recording
	Estimation & Costing - 7	Recording		Op-amp Part-3	Recording
	Estimation & Costing - 8	Recording		Number system Part-1	Recording
	Estimation & Costing - 9	Recording		Number system Part-2	Recording
	Estimation & Costing - 10	Recording		Boolean algebra	Recording
Ashish Sir : Control system				Logic Gates	Recording
				Basics of Power Electronics Part-1	Recording
				Basics of Power Electronics Part-2	Recording
Date	Topic	Timing		Basics of Power Electronics Part-2	Recording

	Introduction	Recording		SCR Part-1	Recording
	Basics of Control Systems	Recording		SCR Part-2	Recording
	Concept of Transfer Function	Recording		Types of Switches and their working Part-1	Recording
	Mechanical System	Recording		Types of Switches and their working Part-2	Recording
	Block Diagram Reduction Technique & SFG	Recording		Types of Switches and their working Part-3	Recording
	Block Diagram Reduction Technique & SFG	Recording		Miscellaneous	Recording
	Block Diagram Reduction Technique & SFG	Recording			
	Time Domain Analysis	Recording			
	Time Domain Analysis	Recording			
	Time Domain Analysis	Recording			
	Time Domain Analysis	Recording			
	Stability	Recording			
	Stability	Recording			
	Root Locus Technique	Recording			
	Root Locus Technique	Recording			
	Root Locus Technique	Recording			
	Root Locus Technique	Recording			
	Frequency Domain Analysis	Recording			
	Frequency Domain Analysis	Recording			
	Frequency Domain Analysis	Recording			
	Polar Plots	Recording			
	Polar Plots	Recording			
	Polar Plots	Recording			

	Nyquist Plot	Recording			
	Nyquist Plot	Recording			
	Nyquist Plot	Recording			
	Bode Plot	Recording			
	Bode Plot	Recording			
	Bode Plot	Recording			
	Bode Plot	Recording			
	Bode Plot	Recording			
	State Space Analysis	Recording			
	State Space Analysis	Recording			

