

STUDY PLAN

Ashish Sir - Network Theory			Ashish Sir : Power Systems		
Date	Topic	Timing	Date	Topic	Timing
Tuesday, April 28, 2026	Parallel Resonance	8:00AM - 9:00AM	Friday, May 1, 2026	Introduction to Power Systems	3:30PM 5:00PM
Wednesday, April 29, 2026	Performance Parameters of Series and Parallel Resonance	8:00AM - 9:00AM	Monday, May 4, 2026	Generation (Thermal Power plant, Hydro Power Plant)	3:30PM 5:00PM
Thursday, April 30, 2026	Average & RMS values of difference waveforms	8:00AM - 9:00AM	Tuesday, May 5, 2026	Generation (Nuclear Power Plant), Renewable & Non renewable power plant	3:30PM 5:00PM
Friday, May 1, 2026	Two Port Networks & Graph Theory	8:00AM - 9:00AM	Wednesday, May 6, 2026	Economic Load factors (Load factor, capacity factor etc.)	3:30PM 5:00PM
Monday, May 4, 2026	Graph Theory and Questions	8:00AM - 9:00AM	Thursday, May 7, 2026	Per unit method Part-1	3:30PM 5:00PM
Tuesday, May 5, 2026	Poly phase Network	8:00AM - 9:00AM	Friday, May 8, 2026	Per unit method Part-2	3:30PM 5:00PM
Wednesday, May 6, 2026	Poly phase Network	8:00AM - 9:00AM	Monday, May 11, 2026	Question practice Session	3:30PM 5:00PM
Thursday, May 7, 2026	Power Triangle, impedance Triangle, charging and discharging of Inductor and Capacitor	8:00AM - 9:00AM	Tuesday, May 12, 2026	Power factor improvement Part-1	3:30PM 5:00PM
	Electric Potential	RECORDING	Wednesday, May 13, 2026	Power factor improvement Part-2	3:30PM 5:00PM
	Ohms law, Concept of Resistance	RECORDING	Thursday, May 14, 2026	Power factor improvement Part-3	3:30PM 5:00PM
	Types Of Circuit Elements	RECORDING	Friday, May 15, 2026	Power factor improvement Part - 4	3:30PM 5:00PM
	Concept of Inductor	RECORDING	Monday, May 18, 2026	Question practice Session	3:30PM 5:00PM
	Concept of Capacitance & Laplace transforms	RECORDING	Tuesday, May 19, 2026	Transmission line parameters Part-1	3:30PM 5:00PM
	Some Functions & Their Laplace Transforms	RECORDING	Wednesday, May 20, 2026	Transmission line parameters Part-2	3:30PM 5:00PM
	Resistance in Series and Parallel & Star Delta conversion	RECORDING	Thursday, May 21, 2026	Transmission line parameters Part-3	3:30PM 5:00PM
	Capacitance in Series and Parallel	RECORDING	Friday, May 22, 2026	Short circuit of fault analysis Part -1	3:30PM 5:00PM
	KVL and KCL	RECORDING	Monday, May 25, 2026	Short circuit of fault analysis Part -2	3:30PM 5:00PM
	Question Practice Session	RECORDING	Tuesday, May 26, 2026	Question practice Session	3:30PM 5:00PM
	Questions Practice Session	RECORDING	Wednesday, May 27, 2026	Short circuit of fault analysis Part -3	3:30PM 5:00PM

	Network Theorem	RECORDING	Thursday, May 28, 2026	Power system stability Part - 1	3:30PM 5:00PM
	(Superposition Theorem)	RECORDING	Friday, May 29, 2026	Power system stability Part - 2	3:30PM 5:00PM
	Thevenin's, Nortons Theorem	RECORDING	Monday, June 1, 2026	Switchgear and protection Part-1	3:30PM 5:00PM
	Maximum Power Transfer Theorem	RECORDING	Tuesday, June 2, 2026	Switchgear and protection Part-2	3:30PM 5:00PM
	Tellegen's, Milliman's & Reciprocity Theorem	RECORDING	Wednesday, June 3, 2026	Switchgear and protection Part-3	3:30PM 5:00PM
	AC Fundamentals	RECORDING	Thursday, June 4, 2026	Switchgear and protection Part-4	3:30PM 5:00PM
	Series Resonance	RECORDING	Friday, June 5, 2026	Switchgear and protection Part-5	3:30PM 5:00PM
Ashish SIR : Electrical Machine			Monday, June 8, 2026	Question practice Session	3:30PM 5:00PM
Date	Topic	Timing	Tuesday, June 9, 2026	Cables, insulators Part -1	3:30PM 5:00PM
Friday, May 8, 2026	Introduction to Electrical Machines	8:00AM - 9:00AM	Wednesday, June 10, 2026	Cables, insulators Part -2	3:30PM 5:00PM
Monday, May 11, 2026	Basic Concepts of Magnetic Materials	8:00AM - 9:00AM	Thursday, June 11, 2026	Circuit Breakers Part -1	3:30PM 5:00PM
Tuesday, May 12, 2026	Basic concepts of Rotating Machines	8:00AM - 9:00AM	Friday, June 12, 2026	Circuit Breakers Part -2	3:30PM 5:00PM
Wednesday, May 13, 2026	Working of DC Generators	8:00AM - 9:00AM	Monday, June 15, 2026	Question practice Session	3:30PM 5:00PM
Thursday, May 14, 2026	Construction of DC Machines	8:00AM - 9:00AM	Measurement and instrumentation		
Friday, May 15, 2026	Commutator & Types of Windings	8:00AM - 9:00AM	Date	Topic	Timing
Monday, May 18, 2026	Emf Equation of DC Generators	8:00AM - 9:00AM	Tuesday, June 16, 2026	Introduction to Electrical & Electronics Engineering Measurements	3:30PM 5:00PM
Tuesday, May 19, 2026	Type of DC Generators	8:00AM - 9:00AM	Wednesday, June 17, 2026	Error Analysis Part-1	3:30PM 5:00PM
Wednesday, May 20, 2026	Questions on DC Generators	8:00AM - 9:00AM	Thursday, June 18, 2026	Error Analysis Part-2	3:30PM 5:00PM
Thursday, May 21, 2026	Armature reaction of DC Generators-1	8:00AM - 9:00AM	Friday, June 19, 2026	Types of Dampings and torques	3:30PM 5:00PM
Friday, May 22, 2026	Armature reaction of DC Generators-2	8:00AM - 9:00AM	Monday, June 22, 2026	PMMC	3:30PM 5:00PM
Monday, May 25, 2026	Commutation in DC Machines	8:00AM - 9:00AM	Tuesday, June 23, 2026	Rectifier type instruments	3:30PM 5:00PM
Tuesday, May 26, 2026	Methods of improving commutations	8:00AM - 9:00AM	Wednesday, June 24, 2026	Moving iron type instruments -1	3:30PM 5:00PM
Wednesday, May 27, 2026	Characteristics of DC Generators	8:00AM - 9:00AM	Thursday, June 25, 2026	Moving iron type instruments -2	3:30PM 5:00PM

Thursday, May 28, 2026	Basic Principle of Motor	8:00AM - 9:00AM	Friday, June 26, 2026		3:30PM 5:00PM
Friday, May 29, 2026	Torque Equation of DC Motors	8:00AM - 9:00AM	Monday, June 29, 2026	Power factor meter, flux meter, Frequency meter	3:30PM 5:00PM
Monday, June 1, 2026	Speed control of DC Motors	8:00AM - 9:00AM	Tuesday, June 30, 2026	Measurement of Power-1	3:30PM 5:00PM
Tuesday, June 2, 2026	Starting and Braking methods of DC Motors	8:00AM - 9:00AM	Wednesday, July 1, 2026	Measurement of Power-2	3:30PM 5:00PM
Wednesday, June 3, 2026	Efficiency and testing methods of DC Motors	8:00AM - 9:00AM	Thursday, July 2, 2026	Energy meter -1	3:30PM 5:00PM
Thursday, June 4, 2026	Basics of Transformers	8:00AM - 9:00AM	Friday, July 3, 2026	Energy meter -2	3:30PM 5:00PM
Friday, June 5, 2026	Construction of transformers & Emf Equation of transformers,	8:00AM - 9:00AM	Monday, July 6, 2026	Instrument transformers Part-1	3:30PM 5:00PM
Monday, June 8, 2026	Equivalent circuit, O.C.& S.C. Tests	8:00AM - 9:00AM	Tuesday, July 7, 2026	Instrument transformers Part-2	3:30PM 5:00PM
Tuesday, June 9, 2026	Voltage regulation of transformers, Losses and efficiency of transformers	8:00AM - 9:00AM	Wednesday, July 8, 2026	CRO - 1	3:30PM 5:00PM
Wednesday, June 10, 2026	3 Phase transformers, Parallel operation of transformers	8:00AM - 9:00AM	Thursday, July 9, 2026	CRO - 2	3:30PM 5:00PM
Thursday, June 11, 2026	Construction & Working of 3-Phase Induction Machines	8:00AM - 9:00AM	Friday, July 10, 2026	AC bridges 1	3:30PM 5:00PM
Friday, June 12, 2026	Working & Equivalent Circuit of 3-Phase Induction Machines	8:00AM - 9:00AM	Monday, July 13, 2026	AC bridges 2	3:30PM 5:00PM
Monday, June 15, 2026	Torque Equation of 3-Phase induction Machines	8:00AM - 9:00AM	Ashish SIR: Basic Electronics		
Tuesday, June 16, 2026	Torque slip characteristics of 3-phase induction Motors	8:00AM - 9:00AM	Date	Topic	Timing
Wednesday, June 17, 2026	Starters & Braking methods of 3-Phase induction machines	8:00AM - 9:00AM	Tuesday, July 14, 2026	Introduction to Basic Electronics	3:30PM 5:00PM
Thursday, June 18, 2026	Speed control of 3-Phase induction motors	8:00AM - 9:00AM	Wednesday, July 15, 2026	Basics of Semiconductor Materials Part-1	3:30PM 5:00PM
Friday, June 19, 2026	Losses, efficiency, Cogging, Crawling of 3-Phase induction Motors	8:00AM - 9:00AM	Thursday, July 16, 2026	Basics of Semiconductor Materials Part-2	3:30PM 5:00PM
Monday, June 22, 2026	Construction and working of 1-Phase induction motors	8:00AM - 9:00AM	Friday, July 17, 2026	Semiconductor Physics Part-1	3:30PM 5:00PM
Tuesday, June 23, 2026	Split phase Induction Motors, Capacitor start, Capacitor start capacitor run, Shaded pole Induction Motors	8:00AM - 9:00AM	Monday, July 20, 2026	Semiconductor Physics Part-2	3:30PM 5:00PM
Wednesday, June 24, 2026	Hysteresis, Switched Reluctance motors, stepper motors	8:00AM - 9:00AM	Tuesday, July 21, 2026	PN Junction Diode Part-1	3:30PM 5:00PM
Thursday, June 25, 2026	Construction & Working of 3-phase Synchronous Machines	8:00AM - 9:00AM	Wednesday, July 22, 2026	PN Junction Diode Part-2	3:30PM 5:00PM
Friday, June 26, 2026	Armature reaction of 3-Phase synchronous generators at unity, Lagging pf & Leading pf	8:00AM - 9:00AM	Thursday, July 23, 2026	Zener Diode Part -1	3:30PM 5:00PM
Monday, June 29, 2026	Voltage Regulation of 3-Phase Synchronous generators	8:00AM - 9:00AM	Friday, July 24, 2026	Zener Diode Part -2	3:30PM 5:00PM

Tuesday, June 30, 2026	Power flow, Synchronous condenser & important curves in synchronous machines in Synchronous Machines	8:00AM - 9:00AM	Monday, July 27, 2026	Tunnel diode, LED	3:30PM 5:00PM
Wednesday, July 1, 2026	Parallel Operation of Synchronous Machines	8:00AM - 9:00AM	Tuesday, July 28, 2026	PhotoDiode, Shottcky Diode	3:30PM 5:00PM
Thursday, July 2, 2026	Working of 3-Phase synchronous motors	8:00AM - 9:00AM	Wednesday, July 29, 2026	BJT Part-1	3:30PM 5:00PM
Friday, July 3, 2026	Starting methods of synchronous motors, Synchronizing coefficient	8:00AM - 9:00AM	Thursday, July 30, 2026	BJT Part-2	3:30PM 5:00PM
Monday, July 6, 2026	Testings in Synchronous Machines	8:00AM - 9:00AM	Friday, July 31, 2026	BJT Part-3	3:30PM 5:00PM
Ashish SIR : Electronic Devices			Monday, August 3, 2026	BJT Part-4	3:30PM 5:00PM
			Tuesday, August 4, 2026	BJT Part-5	3:30PM 5:00PM
			Wednesday, August 5, 2026	BJT Part-6	3:30PM 5:00PM
Date	Topic	Timing	Thursday, August 6, 2026	BJT Part-7	3:30PM 5:00PM
Tuesday, July 7, 2026	Electronic Devices - 1	8:00AM - 9:00AM	Friday, August 7, 2026	FeedBack Amplifier	3:30PM 5:00PM
Wednesday, July 8, 2026	Electronic Devices - 2	8:00AM - 9:00AM	Monday, August 10, 2026	Power amplifier	3:30PM 5:00PM
Thursday, July 9, 2026	Electronic Devices - 3	8:00AM - 9:00AM	Tuesday, August 11, 2026	FET introduction and working	3:30PM 5:00PM
Friday, July 10, 2026	Electronic Devices - 4	8:00AM - 9:00AM	Wednesday, August 12, 2026	MCQs on FET	3:30PM 5:00PM
Monday, July 13, 2026	Electronic Devices - 5	8:00AM - 9:00AM	Thursday, August 13, 2026	MOSFET introduction and working	3:30PM 5:00PM
Tuesday, July 14, 2026	Electronic Devices - 6	8:00AM - 9:00AM	Friday, August 14, 2026	Op-amp Part-1	3:30PM 5:00PM
Wednesday, July 15, 2026	Electronic Devices - 7	8:00AM - 9:00AM	Monday, August 17, 2026	Op-amp Part-2	3:30PM 5:00PM
Thursday, July 16, 2026	Electronic Devices - 8	8:00AM - 9:00AM	Tuesday, August 18, 2026	Op-amp Part-3	3:30PM 5:00PM
Friday, July 17, 2026	Electronic Devices - 9	8:00AM - 9:00AM	Wednesday, August 19, 2026	Number system Part-1	3:30PM 5:00PM
Monday, July 20, 2026	Electronic Devices - 10	8:00AM - 9:00AM	Thursday, August 20, 2026	Number system Part-2	3:30PM 5:00PM
Ashish Sir : Digital electronics			Friday, August 21, 2026	Boolean algebra	3:30PM 5:00PM
			Date	Topic	Timing
Tuesday, July 21, 2026	Number system	8:00AM - 9:00AM	Tuesday, August 25, 2026	Basics of Power Electronics Part-1	3:30PM 5:00PM
Wednesday, July 22, 2026	Code converter	8:00AM - 9:00AM	Wednesday, August 26, 2026	Basics of Power Electronics Part-2	3:30PM 5:00PM

Thursday, July 23, 2026	Code converter	8:00AM - 9:00AM	Thursday, August 27, 2026	SCR Part-1	3:30PM 5:00PM
Friday, July 24, 2026	Code converter	8:00AM - 9:00AM	Friday, August 28, 2026	SCR Part-2	3:30PM 5:00PM
Monday, July 27, 2026	Code converter	8:00AM - 9:00AM	Monday, August 31, 2026	Types of Switches and their working Part-1	3:30PM 5:00PM
Tuesday, July 28, 2026	Karnaugh map	8:00AM - 9:00AM	Tuesday, September 1, 2026	Types of Switches and their working Part-2	3:30PM 5:00PM
Wednesday, July 29, 2026	CMOS implementations	8:00AM - 9:00AM	Wednesday, September 2, 2026	Types of Switches and their working Part-3	3:30PM 5:00PM
Thursday, July 30, 2026	Arithmetic Circuits	8:00AM - 9:00AM	Thursday, September 3, 2026	Miscellaneous	3:30PM 5:00PM
Friday, July 31, 2026	Multiplexers	8:00AM - 9:00AM	Ashish Sir : semiconductor memories		
Monday, August 3, 2026	Encoder & Decoders	8:00AM - 9:00AM	Date	Topic	Timing
Tuesday, August 4, 2026	Sequential circuits	8:00AM - 9:00AM	Friday, September 4, 2026	ROM	3:30PM 5:00PM
Wednesday, August 5, 2026	Sequential circuits	8:00AM - 9:00AM	Monday, September 7, 2026	SRAM	3:30PM 5:00PM
Thursday, August 6, 2026	Data converters	8:00AM - 9:00AM	Tuesday, September 8, 2026	DRAM	3:30PM 5:00PM
Friday, August 7, 2026	Data converters	8:00AM - 9:00AM	Ashish Sir : Analog Electronics		
Monday, August 10, 2026	Data converters	8:00AM - 9:00AM	Date	Topic	Timing
Ashish Sir : Microprocessor				Analog Electronics-1	3:30PM 5:00PM
Date	Topic	Timing		Analog Electronics-2	3:30PM 5:00PM
Tuesday, August 11, 2026	Architecture	8:00AM - 9:00AM		Analog Electronics-3	3:30PM 5:00PM
Wednesday, August 12, 2026	All Instruction	8:00AM - 9:00AM		Analog Electronics-4	3:30PM 5:00PM
Thursday, August 13, 2026	Programming	8:00AM - 9:00AM		Analog Electronics-5	3:30PM 5:00PM
Friday, August 14, 2026	memory	8:00AM - 9:00AM		Analog Electronics-6	3:30PM 5:00PM
Ashish Sir : Electronic Devices Circuits (EDC)				Analog Electronics-7	3:30PM 5:00PM
Date	Topic	Timing		Analog Electronics-8	3:30PM 5:00PM
	EDC-1	Recording-1	END OF SYLLABUS		
	EDC-2	Recording-2			

	EDC-3	Recording-3			
	EDC-4	Recording-4			
	EDC-5	Recording-5			
	EDC-6	Recording-6			
	EDC-7	Recording-7			
	EDC-8	Recording-8			
Ashish SIR : UEE					
Date	Topic	Timing			
	Type of Motor and Characteristics	Recording-1			
	Type of loads	Recording-2			
	System of electric traction and track electrification	Recording-3			
	Speed-time curves for different services	Recording-4			
	Calculation of various quantities of Electrical Traction	Recording-5			
	Methods of Electrical Heating	Recording-6			
	Methods of Electrical Welding	Recording-7			
	Introduction and terms used in Illumination	Recording-8			
	Discharge Lamps, MV and SV Lamps	Recording-9			
	Basic Principle of Light Control , Types and design of lightning and flood lighting	Recording-10			
Ashish SIR : Estimation & Costing					
Date	Topic	Timing			

	Estimation & Costing - 1	Recording-1			
	Estimation & Costing - 2	Recording-2			
	Estimation & Costing - 3	Recording-3			
	Estimation & Costing - 4	Recording-4			
	Estimation & Costing - 5	Recording-5			
	Estimation & Costing - 6	Recording-6			
	Estimation & Costing - 7	Recording-7			
	Estimation & Costing - 8	Recording-8			
	Estimation & Costing - 9	Recording-9			
	Estimation & Costing - 10	Recording-10			
END OF SYLLABUS					

