

STUDY PLAN

Ashish SIR : Electrical Machine			Ashish Sir : Power Systems		
Date	Topic	Timing	Date	Topic	Timing
Thursday, April 30, 2026	Introduction to Electrical Machines	8:00AM - 9:00AM	Thursday, April 30, 2026	Introduction to Power Systems	3:30PM 5.00PM
Friday, May 1, 2026	Basic Concepts of Magnetic Materials	8:00AM - 9:00AM	Friday, May 1, 2026	Generation (Thermal Power plant, Hydro Power Plant)	3:30PM 5.00PM
Monday, May 4, 2026	Basic concepts of Rotating Machines	8:00AM - 9:00AM	Monday, May 4, 2026	Generation (Nuclear Power Plant), Renewable & Non renewable power plant	3:30PM 5.00PM
Tuesday, May 5, 2026	Working of DC Generators	8:00AM - 9:00AM	Tuesday, May 5, 2026	Economic Load factors (Load factor, capacity factor etc.)	3:30PM 5.00PM
Wednesday, May 6, 2026	Construction of DC Machines	8:00AM - 9:00AM	Wednesday, May 6, 2026	Per unit method Part-1	3:30PM 5.00PM
Thursday, May 7, 2026	Commutator & Types of Windings	8:00AM - 9:00AM	Thursday, May 7, 2026	Per unit method Part-2	3:30PM 5.00PM
Friday, May 8, 2026	Emf Equation of DC Generators	8:00AM - 9:00AM	Friday, May 8, 2026	Question practice Session	3:30PM 5.00PM
Monday, May 11, 2026	Type of DC Generators	8:00AM - 9:00AM	Monday, May 11, 2026	Power factor improvement Part-1	3:30PM 5.00PM
Tuesday, May 12, 2026	Questions on DC Generators	8:00AM - 9:00AM	Tuesday, May 12, 2026	Power factor improvement Part-2	3:30PM 5.00PM
Wednesday, May 13, 2026	Armature reaction of DC Generators-1	8:00AM - 9:00AM	Wednesday, May 13, 2026	Power factor improvement Part-3	3:30PM 5.00PM
Thursday, May 14, 2026	Armature reaction of DC Generators-2	8:00AM - 9:00AM	Thursday, May 14, 2026	Power factor improvement Part - 4	3:30PM 5.00PM
Friday, May 15, 2026	Commutation in DC Machines	8:00AM - 9:00AM	Friday, May 15, 2026	Question practice Session	3:30PM 5.00PM
Monday, May 18, 2026	Methods of improving commutations	8:00AM - 9:00AM	Monday, May 18, 2026	Transmission line parameters Part-1	3:30PM 5.00PM
Tuesday, May 19, 2026	Characteristics of DC Generators	8:00AM - 9:00AM	Tuesday, May 19, 2026	Transmission line parameters Part-2	3:30PM 5.00PM
Wednesday, May 20, 2026	Basic Principle of Motor	8:00AM - 9:00AM	Wednesday, May 20, 2026	Transmission line parameters Part-3	3:30PM 5.00PM
Thursday, May 21, 2026	Torque Equation of DC Motors	8:00AM - 9:00AM	Thursday, May 21, 2026	Short circuit of fault analysis Part -1	3:30PM 5.00PM
Friday, May 22, 2026	Speed control of DC Motors	8:00AM - 9:00AM	Friday, May 22, 2026	Short circuit of fault analysis Part -2	3:30PM 5.00PM
Monday, May 25, 2026	Starting and Braking methods of DC Motors	8:00AM - 9:00AM	Monday, May 25, 2026	Question practice Session	3:30PM 5.00PM
Tuesday, May 26, 2026	Efficiency and testing methods of DC Motors	8:00AM - 9:00AM	Tuesday, May 26, 2026	Short circuit of fault analysis Part -3	3:30PM 5.00PM

Wednesday, May 27, 2026	Basics of Transformers	8:00AM - 9:00AM	Wednesday, May 27, 2026	Power system stability Part - 1	3:30PM 5.00PM
Thursday, May 28, 2026	Construction of transformers & Emf Equation of transformers,	8:00AM - 9:00AM	Thursday, May 28, 2026	Power system stability Part - 2	3:30PM 5.00PM
Friday, May 29, 2026	Equivalent circuit, O.C.& S.C. Tests	8:00AM - 9:00AM	Friday, May 29, 2026	Switchgear and protection Part-1	3:30PM 5.00PM
Monday, June 1, 2026	Voltage regulation of transformers, Losses and efficiency of transformers	8:00AM - 9:00AM	Monday, June 1, 2026	Switchgear and protection Part-2	3:30PM 5.00PM
Tuesday, June 2, 2026	3 Phase transformers, Parallel operation of transformers	8:00AM - 9:00AM	Tuesday, June 2, 2026	Switchgear and protection Part-3	3:30PM 5.00PM
Wednesday, June 3, 2026	Construction & Working of 3-Phase Induction Machines	8:00AM - 9:00AM	Wednesday, June 3, 2026	Switchgear and protection Part-4	3:30PM 5.00PM
Thursday, June 4, 2026	Working & Equivalent Circuit of 3-Phase Induction Machines	8:00AM - 9:00AM	Thursday, June 4, 2026	Switchgear and protection Part-5	3:30PM 5.00PM
Friday, June 5, 2026	Torque Equation of 3-Phase induction Machines	8:00AM - 9:00AM	Friday, June 5, 2026	Question practice Session	3:30PM 5.00PM
Monday, June 8, 2026	Torque slip characteristics of 3-phase induction Motors	8:00AM - 9:00AM	Monday, June 8, 2026	Cables, insulators Part -1	3:30PM 5.00PM
Tuesday, June 9, 2026	Starters & Braking methods of 3-Phase induction machines	8:00AM - 9:00AM	Tuesday, June 9, 2026	Cables, insulators Part -2	3:30PM 5.00PM
Wednesday, June 10, 2026	Speed control of 3-Phase induction motors	8:00AM - 9:00AM	Wednesday, June 10, 2026	Circuit Breakers Part -1	3:30PM 5.00PM
Thursday, June 11, 2026	Losses, efficiency, Cogging, Crawling of 3-Phase induction Motors	8:00AM - 9:00AM	Thursday, June 11, 2026	Circuit Breakers Part -2	3:30PM 5.00PM
Friday, June 12, 2026	Construction and working of 1-Phase induction motors	8:00AM - 9:00AM	Friday, June 12, 2026	Question practice Session	3:30PM 5.00PM
Monday, June 15, 2026	Split phase Induction Motors, Capacitor start, Capacitor start capacitor run, Shaded pole Induction Motors	8:00AM - 9:00AM	Measurement and instrumentation		
Tuesday, June 16, 2026	Hysteresis, Switched Reluctance motors, stepper motors	8:00AM - 9:00AM	Date	Topic	Timing
Wednesday, June 17, 2026	Construction & Working of 3-phase Synchronous Machines	8:00AM - 9:00AM	Monday, June 15, 2026	Introduction to Electrical & Electronics Engineering Measurements	3:30PM 5.00PM
Thursday, June 18, 2026	Armature reaction of 3-Phase synchronous generators at unity, Lagging pf & Leading pf	8:00AM - 9:00AM	Tuesday, June 16, 2026	Error Analysis Part-1	3:30PM 5.00PM
Friday, June 19, 2026	Voltage Regulation of 3-Phase Synchronous generators	8:00AM - 9:00AM	Wednesday, June 17, 2026	Error Analysis Part-2	3:30PM 5.00PM
Monday, June 22, 2026	Power flow, Synchronous condenser & important curves in synchronous machines in Synchronous Machines	8:00AM - 9:00AM	Thursday, June 18, 2026	Types of Dampings and torques	3:30PM 5.00PM
Tuesday, June 23, 2026	Parallel Operation of Synchronous Machines	8:00AM - 9:00AM	Friday, June 19, 2026	PMMC	3:30PM 5.00PM
Wednesday, June 24, 2026	Working of 3-Phase synchronous motors	8:00AM - 9:00AM	Monday, June 22, 2026	Rectifier type instruments	3:30PM 5.00PM
Thursday, June 25, 2026	Starting methods of synchronous motors, Synchronizing coefficient	8:00AM - 9:00AM	Tuesday, June 23, 2026	Moving iron type instruments -1	3:30PM 5.00PM
Friday, June 26, 2026	Testings in Synchronous Machines	8:00AM - 9:00AM	Wednesday, June 24, 2026	Moving iron type instruments -2	3:30PM 5.00PM

Ashish SIR : Electronic Devices			Thursday, June 25, 2026		3:30PM 5.00PM
			Friday, June 26, 2026	Power factor meter, flux meter, Frequency meter	3:30PM 5.00PM
			Monday, June 29, 2026	Measurement of Power-1	3:30PM 5.00PM
Date	Topic	Timing	Tuesday, June 30, 2026	Measurement of Power-2	3:30PM 5.00PM
Monday, June 29, 2026	Electronic Devices - 1	8:00AM - 9:00AM	Wednesday, July 1, 2026	Energy meter - 1	3:30PM 5.00PM
Tuesday, June 30, 2026	Electronic Devices - 2	8:00AM - 9:00AM	Thursday, July 2, 2026	Energy meter - 2	3:30PM 5.00PM
Wednesday, July 1, 2026	Electronic Devices - 3	8:00AM - 9:00AM	Friday, July 3, 2026	Instrument transformers Part-1	3:30PM 5.00PM
Thursday, July 2, 2026	Electronic Devices - 4	8:00AM - 9:00AM	Monday, July 6, 2026	Instrument transformers Part-2	3:30PM 5.00PM
Friday, July 3, 2026	Electronic Devices - 5	8:00AM - 9:00AM	Tuesday, July 7, 2026	CRO - 1	3:30PM 5.00PM
Monday, July 6, 2026	Electronic Devices - 6	8:00AM - 9:00AM	Wednesday, July 8, 2026	CRO - 2	3:30PM 5.00PM
Tuesday, July 7, 2026	Electronic Devices - 7	8:00AM - 9:00AM	Thursday, July 9, 2026	AC bridges 1	3:30PM 5.00PM
Wednesday, July 8, 2026	Electronic Devices - 8	8:00AM - 9:00AM	Friday, July 10, 2026	AC bridges 2	3:30PM 5.00PM
Thursday, July 9, 2026	Electronic Devices - 9	8:00AM - 9:00AM	Ashish SIR: Basic Electronics		
Friday, July 10, 2026	Electronic Devices - 10	8:00AM - 9:00AM	Date	Topic	Timing
Ashish SIR : UEE			Monday, July 13, 2026	Introduction to Basic Electronics	3:30PM 5.00PM
			Tuesday, July 14, 2026	Basics of Semiconductor Materials Part-1	3:30PM 5.00PM
			Wednesday, July 15, 2026	Basics of Semiconductor Materials Part-2	3:30PM 5.00PM
Date	Topic	Timing	Thursday, July 16, 2026	Semiconductor Physics Part-1	3:30PM 5.00PM
Monday, July 13, 2026	Type of Motor and Characteristics	8:00AM - 9:00AM	Friday, July 17, 2026	Semiconductor Physics Part-2	3:30PM 5.00PM
Tuesday, July 14, 2026	Type of loads	8:00AM - 9:00AM	Monday, July 20, 2026	PN Junction Diode Part-1	3:30PM 5.00PM
Wednesday, July 15, 2026	System of electric traction and track electrification	8:00AM - 9:00AM	Tuesday, July 21, 2026	PN Junction Diode Part-2	3:30PM 5.00PM
Thursday, July 16, 2026	Speed-time curves for different services	8:00AM - 9:00AM	Wednesday, July 22, 2026	Zener Diode Part - 1	3:30PM 5.00PM
Friday, July 17, 2026	Calculation of various quantities of Electrical Traction	8:00AM - 9:00AM	Thursday, July 23, 2026	Zener Diode Part - 2	3:30PM 5.00PM

Monday, July 20, 2026	Methods of Electrical Heating	8:00AM - 9:00AM	Friday, July 24, 2026	Tunnel diode, LED	3:30PM 5.00PM
Tuesday, July 21, 2026	Methods of Electrical Welding	8:00AM - 9:00AM	Monday, July 27, 2026	PhotoDiode, Shottcky Diode	3:30PM 5.00PM
Wednesday, July 22, 2026	Introduction and terms used in Illumination	8:00AM - 9:00AM	Tuesday, July 28, 2026	BJT Part-1	3:30PM 5.00PM
Thursday, July 23, 2026	Discharge Lamps, MV and SV Lamps	8:00AM - 9:00AM	Wednesday, July 29, 2026	BJT Part-2	3:30PM 5.00PM
Friday, July 24, 2026	Basic Principle of Light Control , Types and design of lightning and flood lighting	8:00AM - 9:00AM	Thursday, July 30, 2026	BJT Part-3	3:30PM 5.00PM
Ashish SIR : Estimation & Costing			Friday, July 31, 2026	BJT Part-4	3:30PM 5.00PM
			Monday, August 3, 2026	BJT Part-5	3:30PM 5.00PM
			Tuesday, August 4, 2026	BJT Part-6	3:30PM 5.00PM
Date	Topic	Timing	Wednesday, August 5, 2026	BJT Part-7	3:30PM 5.00PM
Monday, July 27, 2026	Estimation & Costing - 1	8:00AM - 9:00AM	Thursday, August 6, 2026	FeedBack Amplifier	3:30PM 5.00PM
Tuesday, July 28, 2026	Estimation & Costing - 2	8:00AM - 9:00AM	Friday, August 7, 2026	Power amplifier	3:30PM 5.00PM
Wednesday, July 29, 2026	Estimation & Costing - 3	8:00AM - 9:00AM	Monday, August 10, 2026	FET introduction and working	3:30PM 5.00PM
Thursday, July 30, 2026	Estimation & Costing - 4	8:00AM - 9:00AM	Tuesday, August 11, 2026	MCQs on FET	3:30PM 5.00PM
Friday, July 31, 2026	Estimation & Costing - 5	8:00AM - 9:00AM	Wednesday, August 12, 2026	MOSFET introduction and working	3:30PM 5.00PM
Monday, August 3, 2026	Estimation & Costing - 6	8:00AM - 9:00AM	Thursday, August 13, 2026	Op-amp Part-1	3:30PM 5.00PM
Tuesday, August 4, 2026	Estimation & Costing - 7	8:00AM - 9:00AM	Friday, August 14, 2026	Op-amp Part-2	3:30PM 5.00PM
Wednesday, August 5, 2026	Estimation & Costing - 8	8:00AM - 9:00AM	Monday, August 17, 2026	Op-amp Part-3	3:30PM 5.00PM
Thursday, August 6, 2026	Estimation & Costing - 9	8:00AM - 9:00AM	Tuesday, August 18, 2026	Number system Part-1	3:30PM 5.00PM
Friday, August 7, 2026	Estimation & Costing - 10	8:00AM - 9:00AM	Wednesday, August 19, 2026	Number system Part-2	3:30PM 5.00PM
Ashish Sir : Control system			Thursday, August 20, 2026	Boolean algebra	3:30PM 5.00PM
			Friday, August 21, 2026	Logic Gates	3:30PM 5.00PM
			Monday, August 24, 2026	Basics of Power Electronics Part-1	3:30PM 5.00PM
Date	Topic	Timing	Tuesday, August 25, 2026	Basics of Power Electronics Part-2	3:30PM 5.00PM

	Introduction	Recording	Wednesday, August 26, 2026	SCR Part-1	3:30PM 5.00PM
	Basics of Control Systems	Recording	Thursday, August 27, 2026	SCR Part-2	3:30PM 5.00PM
	Concept of Transfer Function	Recording	Friday, August 28, 2026	Types of Switches and their working Part-1	3:30PM 5.00PM
	Mechanical System	Recording	Monday, August 31, 2026	Types of Switches and their working Part-2	3:30PM 5.00PM
	Block Diagram Reduction Technique & SFG	Recording	Tuesday, September 1, 2026	Types of Switches and their working Part-3	3:30PM 5.00PM
	Block Diagram Reduction Technique & SFG	Recording	Wednesday, September 2, 2026	Miscellaneous	3:30PM 5.00PM
	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			

