

## STUDY PLAN

Ashish Sir : Control System			Ashish Sir : Power Systems		
			Date	Topic	Timing
				Monday, February 2, 2026	Introduction to Power Systems
<b>Date</b>	<b>Topic</b>	<b>Timing</b>	Tuesday, February 3, 2026	Generation (Thermal Power plant, Hydro Power Plant)	5:00PM - 6:00PM
Monday, January 26, 2026	Introduction	2:30PM 3:30PM	Wednesday, February 4, 2026	Generation (Nuclear Power Plant), Renewable & Non renewable power plant	5:00PM - 6:00PM
Tuesday, January 27, 2026	Basics of Control System	2:30PM 3:30PM	Thursday, February 5, 2026	Economic Load factors (Load factor, capacity factor etc.)	5:00PM - 6:00PM
Wednesday, January 28, 2026	Types of Compensators	2:30PM 3:30PM	Friday, February 6, 2026	Per unit method Part-1	5:00PM - 6:00PM
Thursday, January 29, 2026	Types of Compensators	2:30PM 3:30PM	Monday, February 9, 2026	Per unit method Part-2	5:00PM - 6:00PM
Friday, January 30, 2026	Concept of Transfer Function	2:30PM 3:30PM	Tuesday, February 10, 2026	Question practice Session	5:00PM - 6:00PM
Monday, February 2, 2026	Mechanical System	2:30PM 3:30PM	Wednesday, February 11, 2026	Power factor improvement Part-1	5:00PM - 6:00PM
Tuesday, February 3, 2026	Block Diagram Reduction Technique & SFG	2:30PM 3:30PM	Thursday, February 12, 2026	Power factor improvement Part-2	5:00PM - 6:00PM
Wednesday, February 4, 2026	Block Diagram Reduction Technique & SFG	2:30PM 3:30PM	Friday, February 13, 2026	Power factor improvement Part-3	5:00PM - 6:00PM
Thursday, February 5, 2026	Block Diagram Reduction Technique & SFG	2:30PM 3:30PM	Monday, February 16, 2026	Power factor improvement Part - 4	5:00PM - 6:00PM
Friday, February 6, 2026	Time Domain Analysis	2:30PM 3:30PM	Tuesday, February 17, 2026	Question practice Session	5:00PM - 6:00PM
Monday, February 9, 2026	Time Domain Analysis	2:30PM 3:30PM	Wednesday, February 18, 2026	Transmission line parameters Part-1	5:00PM - 6:00PM
Tuesday, February 10, 2026	Time Domain Analysis	2:30PM 3:30PM	Thursday, February 19, 2026	Transmission line parameters Part-2	5:00PM - 6:00PM
Wednesday, February 11, 2026	Time Domain Analysis	2:30PM 3:30PM	Friday, February 20, 2026	Transmission line parameters Part-3	5:00PM - 6:00PM
Thursday, February 12, 2026	Stability	2:30PM 3:30PM	Monday, February 23, 2026	Short circuit of fault analysis Part -1	5:00PM - 6:00PM
Friday, February 13, 2026	Root Locus Technique	2:30PM 3:30PM	Tuesday, February 24, 2026	Short circuit of fault analysis Part -2	5:00PM - 6:00PM
Monday, February 16, 2026	Root Locus Technique	2:30PM 3:30PM	Wednesday, February 25, 2026	Question practice Session	5:00PM - 6:00PM
Tuesday, February 17, 2026	Root Locus Technique	2:30PM 3:30PM	Thursday, February 26, 2026	Short circuit of fault analysis Part -3	5:00PM - 6:00PM

Wednesday, February 18, 2026	Root Locus Technique	2:30PM 3:30PM	Friday, February 27, 2026	Power system stability Part - 1	5:00PM - 6:00PM
Thursday, February 19, 2026	Frequency Domain Analysis	2:30PM 3:30PM	Monday, March 2, 2026	Power system stability Part - 2	5:00PM - 6:00PM
Friday, February 20, 2026	Frequency Domain Analysis	2:30PM 3:30PM	Tuesday, March 3, 2026	Switchgear and protection Part-1	5:00PM - 6:00PM
Monday, February 23, 2026	Frequency Domain Analysis	2:30PM 3:30PM	Wednesday, March 4, 2026	Switchgear and protection Part-2	5:00PM - 6:00PM
Tuesday, February 24, 2026	Frequency Domain Analysis	2:30PM 3:30PM	Thursday, March 5, 2026	Switchgear and protection Part-3	5:00PM - 6:00PM
Wednesday, February 25, 2026	Polar Plots	2:30PM 3:30PM	Friday, March 6, 2026	Switchgear and protection Part-4	5:00PM - 6:00PM
Thursday, February 26, 2026	Polar Plots	2:30PM 3:30PM	Monday, March 9, 2026	Switchgear and protection Part-5	5:00PM - 6:00PM
Friday, February 27, 2026	Polar Plots	2:30PM 3:30PM	Tuesday, March 10, 2026	Question practice Session	5:00PM - 6:00PM
Monday, March 2, 2026	Nyquist Plot	2:30PM 3:30PM	Wednesday, March 11, 2026	Cables, insulators Part -1	5:00PM - 6:00PM
Tuesday, March 3, 2026	Nyquist Plot	2:30PM 3:30PM	Thursday, March 12, 2026	Cables, insulators Part -2	5:00PM - 6:00PM
Wednesday, March 4, 2026	Nyquist Plot	2:30PM 3:30PM	Friday, March 13, 2026	Circuit Breakers Part -1	5:00PM - 6:00PM
Thursday, March 5, 2026	Bode Plot	2:30PM 3:30PM	Monday, March 16, 2026	Circuit Breakers Part -2	5:00PM - 6:00PM
Friday, March 6, 2026	Bode Plot	2:30PM 3:30PM	Tuesday, March 17, 2026	Question practice Session	5:00PM - 6:00PM
Monday, March 9, 2026	Bode Plot	2:30PM 3:30PM	<b>Measurement and instrumentation</b>		
Tuesday, March 10, 2026	Bode Plot	2:30PM 3:30PM	<b>Date</b>	<b>Topic</b>	<b>Timing</b>
Wednesday, March 11, 2026	Bode Plot	2:30PM 3:30PM	Thursday, March 19, 2026	Introduction to Electrical & Electronics Engineering Measurements	5:00PM - 6:00PM
Thursday, March 12, 2026	State Space Analysis	2:30PM 3:30PM	Friday, March 20, 2026	Error Analysis Part-1	5:00PM - 6:00PM
Friday, March 13, 2026	State Space Analysis	2:30PM 3:30PM	Monday, March 23, 2026	Error Analysis Part-2	5:00PM - 6:00PM
<b>Ashish Sir - Network Theory</b>			Tuesday, March 24, 2026	Types of Dampings and torques	5:00PM - 6:00PM
Date	Topic	Timing	Wednesday, March 25, 2026	PMMC	5:00PM - 6:00PM
Wednesday, March 18, 2026	Electric Potential	2:30PM 3:30PM	Thursday, March 26, 2026	Rectifier type instruments	5:00PM - 6:00PM
Thursday, March 19, 2026	Ohms law, Concept of Resistance	2:30PM 3:30PM	Friday, March 27, 2026	Moving iron type instruments -1	5:00PM - 6:00PM
Friday, March 20, 2026	Types Of Circuit Elements	2:30PM 3:30PM	Monday, March 30, 2026	Moving iron type instruments -2	5:00PM - 6:00PM

Monday, March 23, 2026	Concept of Inductor	2:30PM 3:30PM	Tuesday, March 31, 2026		5:00PM - 6:00PM
Tuesday, March 24, 2026	Concept of Capacitance & Laplace transforms	2:30PM 3:30PM	Wednesday, April 1, 2026	Power factor meter, flux meter, Frequency meter	5:00PM - 6:00PM
Wednesday, March 25, 2026	Some Functions & Their Laplace Transforms	2:30PM 3:30PM	Thursday, April 2, 2026	Measurement of Power-1	5:00PM - 6:00PM
Thursday, March 26, 2026	Resistance in Series and Parallel & Star Delta conversion	2:30PM 3:30PM	Friday, April 3, 2026	Measurement of Power-2	5:00PM - 6:00PM
Friday, March 27, 2026	Capacitance in Series and Parallel	2:30PM 3:30PM	Monday, April 6, 2026	Energy meter -1	5:00PM - 6:00PM
Monday, March 30, 2026	KVL and KCL	2:30PM 3:30PM	Tuesday, April 7, 2026	Energy meter -2	5:00PM - 6:00PM
Tuesday, March 31, 2026	Question Practice Session	2:30PM 3:30PM	Wednesday, April 8, 2026	Instrument transformers Part-1	5:00PM - 6:00PM
Wednesday, April 1, 2026	Questions Practice Session	2:30PM 3:30PM	Thursday, April 9, 2026	Instrument transformers Part-2	5:00PM - 6:00PM
Thursday, April 2, 2026	Network Theorem	2:30PM 3:30PM	Friday, April 10, 2026	CRO - 1	5:00PM - 6:00PM
Friday, April 3, 2026	(Superposition Theorem)	2:30PM 3:30PM	Monday, April 13, 2026	CRO - 2	5:00PM - 6:00PM
Monday, April 6, 2026	Thevenin's, Nortons Theorem	2:30PM 3:30PM	Tuesday, April 14, 2026	AC bridges 1	5:00PM - 6:00PM
Tuesday, April 7, 2026	Maximum Power Transfer Theorem	2:30PM 3:30PM	Wednesday, April 15, 2026	AC bridges 2	5:00PM - 6:00PM
Wednesday, April 8, 2026	Tellegen's, Milliman's & Reciprocity Theorem	2:30PM 3:30PM	<b>Ashish SIR: Basic Electronics</b>		
Thursday, April 9, 2026	AC Fundamentals	2:30PM 3:30PM	<b>Date</b>	<b>Topic</b>	<b>Timing</b>
Friday, April 10, 2026	Series Resonance	2:30PM 3:30PM	Monday, April 20, 2026	Introduction to Basic Electronics	5:00PM - 6:00PM
Monday, April 13, 2026	Parallel Resonance	2:30PM 3:30PM	Tuesday, April 21, 2026	Basics of Semiconductor Materials Part-1	5:00PM - 6:00PM
Tuesday, April 14, 2026	Performance Parameters of Series and Parallel Resonance	2:30PM 3:30PM	Wednesday, April 22, 2026	Basics of Semiconductor Materials Part-2	5:00PM - 6:00PM
Wednesday, April 15, 2026	Average & RMS values of difference waveforms	2:30PM 3:30PM	Thursday, April 23, 2026	Semiconductor Physics Part-1	5:00PM - 6:00PM
Thursday, April 16, 2026	Two Port Networks & Graph Theory	2:30PM 3:30PM	Friday, April 24, 2026	Semiconductor Physics Part-2	5:00PM - 6:00PM
Friday, April 17, 2026	Graph Theory and Questions	2:30PM 3:30PM	Monday, April 27, 2026	PN Junction Diode Part-1	5:00PM - 6:00PM
Monday, April 20, 2026	Poly phase Network	2:30PM 3:30PM	Tuesday, April 28, 2026	PN Junction Diode Part-2	5:00PM - 6:00PM
Tuesday, April 21, 2026	Poly phase Network	2:30PM 3:30PM	Wednesday, April 29, 2026	Zener Diode Part -1	5:00PM - 6:00PM
Wednesday, April 22, 2026	Power Triangle, impedance Triangle, charging and discharging of Inductor and Capacitor	2:30PM 3:30PM	Thursday, April 30, 2026	Zener Diode Part -2	5:00PM - 6:00PM

Ashish SIR : Electrical Machine			Friday, May 1, 2026	Tunnel diode, LED	5:00PM - 6:00PM
Date	Topic	Timing	Monday, May 4, 2026	PhotoDiode, Shottcky Diode	5:00PM - 6:00PM
Monday, April 27, 2026	Introduction to Electrical Machines	2:30PM 3:30PM	Tuesday, May 5, 2026	BJT Part-1	5:00PM - 6:00PM
Tuesday, April 28, 2026	Basic Concepts of Magnetic Materials	2:30PM 3:30PM	Wednesday, May 6, 2026	BJT Part-2	5:00PM - 6:00PM
Wednesday, April 29, 2026	Basic concepts of Rotating Machines	2:30PM 3:30PM	Thursday, May 7, 2026	BJT Part-3	5:00PM - 6:00PM
Thursday, April 30, 2026	Working of DC Generators	2:30PM 3:30PM	Friday, May 8, 2026	BJT Part-4	5:00PM - 6:00PM
Friday, May 1, 2026	Constrution of DC Machines	2:30PM 3:30PM	Monday, May 11, 2026	BJT Part-5	5:00PM - 6:00PM
Monday, May 4, 2026	Commutator & Types of Windings	2:30PM 3:30PM	Tuesday, May 12, 2026	BJT Part-6	5:00PM - 6:00PM
Tuesday, May 5, 2026	Emf Equation of DC Generators	2:30PM 3:30PM	Wednesday, May 13, 2026	BJT Part-7	5:00PM - 6:00PM
Wednesday, May 6, 2026	Type of DC Generators	2:30PM 3:30PM	Thursday, May 14, 2026	FeedBack Amplifier	5:00PM - 6:00PM
Thursday, May 7, 2026	Questions on DC Generators	2:30PM 3:30PM	Friday, May 15, 2026	Power amplifier	5:00PM - 6:00PM
Friday, May 8, 2026	Armature reaction of DC Generators-1	2:30PM 3:30PM	Monday, May 18, 2026	FET introduction and working	5:00PM - 6:00PM
Monday, May 11, 2026	Armature reaction of DC Generators-2	2:30PM 3:30PM	Tuesday, May 19, 2026	MCQs on FET	5:00PM - 6:00PM
Tuesday, May 12, 2026	Commutation in DC Machines	2:30PM 3:30PM	Wednesday, May 20, 2026	MOSFET introduction and working	5:00PM - 6:00PM
Wednesday, May 13, 2026	Methods of improving commutations	2:30PM 3:30PM	Thursday, May 21, 2026	Op-amp Part-1	5:00PM - 6:00PM
Thursday, May 14, 2026	Characteristics of DC Generators	2:30PM 3:30PM	Friday, May 22, 2026	Op-amp Part-2	5:00PM - 6:00PM
Friday, May 15, 2026	Basic Principle of Motor	2:30PM 3:30PM	Monday, May 25, 2026	Op-amp Part-3	5:00PM - 6:00PM
Monday, May 18, 2026	Torque Equation of DC Motors	2:30PM 3:30PM	Tuesday, May 26, 2026	Number system Part-1	5:00PM - 6:00PM
Tuesday, May 19, 2026	Speed control of DC Motors	2:30PM 3:30PM	Wednesday, May 27, 2026	Number system Part-2	5:00PM - 6:00PM
Wednesday, May 20, 2026	Starting and Braking methods of DC Motors	2:30PM 3:30PM	Thursday, May 28, 2026	Boolean algebra	5:00PM - 6:00PM
Thursday, May 21, 2026	Efficiency and testing methods of DC Motors	2:30PM 3:30PM	Friday, May 29, 2026	Logic Gates	5:00PM - 6:00PM
Friday, May 22, 2026	Basics of Transformers	2:30PM 3:30PM	Monday, June 1, 2026	Basics of Power Electronics Part-1	5:00PM - 6:00PM
Monday, May 25, 2026	Construction of transformers & Emf Equation of transformers,	2:30PM 3:30PM	Tuesday, June 2, 2026	Basics of Power Electronics Part-2	5:00PM - 6:00PM

Tuesday, May 26, 2026	Equivalent circuit, O.C. & S.C. Tests	2:30PM 3:30PM	Wednesday, June 3, 2026	SCR Part-1	5:00PM - 6:00PM
Wednesday, May 27, 2026	Voltage regulation of transformers, Losses and efficiency of transformers	2:30PM 3:30PM	Thursday, June 4, 2026	SCR Part-2	5:00PM - 6:00PM
Thursday, May 28, 2026	3 Phase transformers, Parallel operation of transformers	2:30PM 3:30PM	Friday, June 5, 2026	Types of Switches and their working Part-1	5:00PM - 6:00PM
Friday, May 29, 2026	Construction & Working of 3-Phase Induction Machines	2:30PM 3:30PM	Monday, June 8, 2026	Types of Switches and their working Part-2	5:00PM - 6:00PM
Monday, June 1, 2026	Working & Equivalent Circuit of 3-Phase Induction Machines	2:30PM 3:30PM	Tuesday, June 9, 2026	Types of Switches and their working Part-3	5:00PM - 6:00PM
Tuesday, June 2, 2026	Torque Equation of 3-Phase induction Machines	2:30PM 3:30PM	Wednesday, June 10, 2026	Miscellnous	5:00PM - 6:00PM
Wednesday, June 3, 2026	Torque slip characteristics of 3-phase induction Motors	2:30PM 3:30PM			
Thursday, June 4, 2026	Starters & Braking methods of 3-Phase induction machines	2:30PM 3:30PM			
Friday, June 5, 2026	Speed control of 3-Phase induction motors	2:30PM 3:30PM			
Monday, June 8, 2026	Losses, efficiency, Cogging, Crawling of 3-Phase induction Motors	2:30PM 3:30PM			
Tuesday, June 9, 2026	Construction and working of 1-Phase induction motors	2:30PM 3:30PM			
Wednesday, June 10, 2026	Split phase Induction Motors, Capacitor start, Capacitor start capacitor run, Shaded pole Induction Motors	2:30PM 3:30PM			
Thursday, June 11, 2026	Hysteresis, Switched Reluctance motors, stepper motors	2:30PM 3:30PM			
Friday, June 12, 2026	Construction & Working of 3-phase Synchronous Machines	2:30PM 3:30PM			
Monday, June 15, 2026	Armature reaction of 3-Phase synchronous generators at unity, Lagging pf & Leading pf	2:30PM 3:30PM			
Tuesday, June 16, 2026	Voltage Regulation of 3-Phase Synchronous generators	2:30PM 3:30PM			
Wednesday, June 17, 2026	Power flow, Synchronous condenser & important curves in synchronous machines in Synchronous Machines	2:30PM 3:30PM			
Thursday, June 18, 2026	Parallel Operation of Synchronous Machines	2:30PM 3:30PM			
Friday, June 19, 2026	Working of 3-Phase synchronous motors	2:30PM 3:30PM			
Monday, June 22, 2026	Starting methods of synchronous motors, Synchronizing coefficient	2:30PM 3:30PM			
Tuesday, June 23, 2026	Testings in Synchronous Machines	2:30PM 3:30PM			

Ashish SIR : UEE					
Date	Topic	Timing			
Tuesday, June 30, 2026	Type of Motor and Characteristics	2:30PM 3:30PM			
Wednesday, July 1, 2026	Type of loads	2:30PM 3:30PM			
Thursday, July 2, 2026	System of electric traction and track electrification	2:30PM 3:30PM			
Friday, July 3, 2026	Speed-time curves for different services	2:30PM 3:30PM			
Monday, July 6, 2026	Calculation of various quantities of Electrical Traction	2:30PM 3:30PM			
Tuesday, July 7, 2026	Methods of Electrical Heating	2:30PM 3:30PM			
Wednesday, July 8, 2026	Methods of Electrical Welding	2:30PM 3:30PM			
Thursday, July 9, 2026	Introduction and terms used in Illumination	2:30PM 3:30PM			
Friday, July 10, 2026	Discharge Lamps, MV and SV Lamps	2:30PM 3:30PM			
Monday, July 13, 2026	Basic Principle of Light Control , Types and design of lightning and flood lighting	2:30PM 3:30PM			
Ashish SIR : Estimation & Costing					
Date	Topic	Timing			
Monday, July 20, 2026	Estimation & Costing - 1	2:30PM 3:30PM			
Tuesday, July 21, 2026	Estimation & Costing - 2	2:30PM 3:30PM			
Wednesday, July 22, 2026	Estimation & Costing - 3	2:30PM 3:30PM			
Thursday, July 23, 2026	Estimation & Costing - 4	2:30PM 3:30PM			
Friday, July 24, 2026	Estimation & Costing - 5	2:30PM 3:30PM			

Monday, July 27, 2026	Estimation & Costing - 6	2:30PM 3:30PM			
Tuesday, July 28, 2026	Estimation & Costing - 7	2:30PM 3:30PM			
Wednesday, July 29, 2026	Estimation & Costing - 8	2:30PM 3:30PM			
Thursday, July 30, 2026	Estimation & Costing - 9	2:30PM 3:30PM			
Friday, July 31, 2026	Estimation & Costing - 10	2:30PM 3:30PM			
<b>Ashish SIR : Electronic Devices</b>					
Date	Topic	Timing			
Friday, August 7, 2026	Electronic Devices - 1	2:30PM 3:30PM			
Monday, August 10, 2026	Electronic Devices - 2	2:30PM 3:30PM			
Tuesday, August 11, 2026	Electronic Devices - 3	2:30PM 3:30PM			
Wednesday, August 12, 2026	Electronic Devices - 4	2:30PM 3:30PM			
Thursday, August 13, 2026	Electronic Devices - 5	2:30PM 3:30PM			
Friday, August 14, 2026	Electronic Devices - 6	2:30PM 3:30PM			
Monday, August 17, 2026	Electronic Devices - 7	2:30PM 3:30PM			
Tuesday, August 18, 2026	Electronic Devices - 8	2:30PM 3:30PM			
Wednesday, August 19, 2026	Electronic Devices - 9	2:30PM 3:30PM			
Thursday, August 20, 2026	Electronic Devices - 10	2:30PM 3:30PM			
<b>END OF SUBJECT</b>					