

STUDY PLAN

Ashish Sir : Measurement and instrumentation			Ashish Sir : Power Systems		
Date	Topic	Timing	Date	Topic	Timing
Tuesday, July 7, 2026	Introduction to Electrical & Electronics Engineering Measurements	5:30PM-7.00PM	Wednesday, July 15, 2026	Introduction to Power Systems	3:30PM-4.30PM
Wednesday, July 8, 2026	Error Analysis Part-1	5:30PM-7.00PM	Thursday, July 16, 2026	Generation (Thermal Power plant, Hydro Power Plant)	3:30PM-4.30PM
Thursday, July 9, 2026	Error Analysis Part-2	5:30PM-7.00PM	Friday, July 17, 2026	Generation (Nuclear Power Plant), Renewable & Non renewable power plant	3:30PM-4.30PM
Friday, July 10, 2026	Types of Dampings and torques	5:30PM-7.00PM	Monday, July 20, 2026	Economic Load factors (Load factor, capacity factor etc.)	3:30PM-4.30PM
Monday, July 13, 2026	PMMC	5:30PM-7.00PM	Tuesday, July 21, 2026	Per unit method Part-1	3:30PM-4.30PM
Tuesday, July 14, 2026	Rectifier type instruments	5:30PM-7.00PM	Wednesday, July 22, 2026	Per unit method Part-2	3:30PM-4.30PM
Wednesday, July 15, 2026	Moving iron type instruments -1	5:30PM-7.00PM	Thursday, July 23, 2026	Question practice Session	3:30PM-4.30PM
Thursday, July 16, 2026	Moving iron type instruments -2	5:30PM-7.00PM	Friday, July 24, 2026	Power factor improvement Part-1	3:30PM-4.30PM
Friday, July 17, 2026		5:30PM-7.00PM	Monday, July 27, 2026	Power factor improvement Part-2	3:30PM-4.30PM
Monday, July 20, 2026	Power factor meter, flux meter, Frequency meter	5:30PM-7.00PM	Sunday, July 26, 2026	Power factor improvement Part-3	3:30PM-4.30PM
Tuesday, July 21, 2026	Measurement of Power-1	5:30PM-7.00PM	Monday, July 27, 2026	Power factor improvement Part - 4	3:30PM-4.30PM
Wednesday, July 22, 2026	Measurement of Power-2	5:30PM-7.00PM	Tuesday, July 28, 2026	Question practice Session	3:30PM-4.30PM
Thursday, July 23, 2026	Energy meter -1	5:30PM-7.00PM	Wednesday, July 29, 2026	Transmission line parameters Part-1	3:30PM-4.30PM
Friday, July 24, 2026	Energy meter -2	5:30PM-7.00PM	Thursday, July 30, 2026	Transmission line parameters Part-2	3:30PM-4.30PM
Monday, July 27, 2026	Instrument transformers Part-1	5:30PM-7.00PM	Friday, July 31, 2026	Transmission line parameters Part-3	3:30PM-4.30PM
Tuesday, July 28, 2026	Instrument transformers Part-2	5:30PM-7.00PM	Monday, August 3, 2026	Short circuit of fault analysis Part - 1	3:30PM-4.30PM
Wednesday, July 29, 2026	CRO - 1	5:30PM-7.00PM	Tuesday, August 4, 2026	Short circuit of fault analysis Part - 2	3:30PM-4.30PM
Thursday, July 30, 2026	CRO - 2	5:30PM-7.00PM	Wednesday, August 5, 2026	Question practice Session	3:30PM-4.30PM
Friday, July 31, 2026	AC bridges 1	5:30PM-7.00PM	Thursday, August 6, 2026	Short circuit of fault analysis Part - 3	3:30PM-4.30PM
Monday, August 3, 2026	AC bridges 2	5:30PM-7.00PM	Friday, August 7, 2026	Power system stability Part - 1	3:30PM-4.30PM
Ashish SIR : Electronic Devices			Monday, August 10, 2026	Power system stability Part - 2	3:30PM-4.30PM
			Tuesday, August 11, 2026	Switchgear and protection Part-1	3:30PM-4.30PM
			Wednesday, August 12, 2026	Switchgear and protection Part-2	3:30PM-4.30PM
Date	Topic	Timing	Thursday, August 13, 2026	Switchgear and protection Part-3	3:30PM-4.30PM
Tuesday, August 4, 2026	Electronic Devices - 1	5:30PM-7.00PM	Friday, August 14, 2026	Switchgear and protection Part-4	3:30PM-4.30PM
Wednesday, August 5, 2026	Electronic Devices - 2	5:30PM-7.00PM	Monday, August 17, 2026	Switchgear and protection Part-5	3:30PM-4.30PM
Thursday, August 6, 2026	Electronic Devices - 3	5:30PM-7.00PM	Tuesday, August 18, 2026	Question practice Session	3:30PM-4.30PM

Friday, August 7, 2026	Electronic Devices - 4	5:30PM-7.00PM	Wednesday, August 19, 2026	Cables, insulators Part -1	3:30PM-4.30PM
Monday, August 10, 2026	Electronic Devices - 5	5:30PM-7.00PM	Thursday, August 20, 2026	Cables, insulators Part -2	3:30PM-4.30PM
Tuesday, August 11, 2026	Electronic Devices - 6	5:30PM-7.00PM	Friday, August 21, 2026	Circuit Breakers Part -1	3:30PM-4.30PM
Wednesday, August 12, 2026	Electronic Devices - 7	5:30PM-7.00PM	Monday, August 24, 2026	Circuit Breakers Part -2	3:30PM-4.30PM
Thursday, August 13, 2026	Electronic Devices - 8	5:30PM-7.00PM	Tuesday, August 25, 2026	Question practice Session	3:30PM-4.30PM
Friday, August 14, 2026	Electronic Devices - 9	5:30PM-7.00PM	Ashish Sir - Network Theory		
Monday, August 17, 2026	Electronic Devices - 10	5:30PM-7.00PM	Date	Topic	Timing
Ashish SIR : Estimation & Costing			Wednesday, August 26, 2026	Parallel Resonance	3:30PM-4.30PM
			Thursday, August 27, 2026	Performance Parameters of Series and Parallel Resonance	3:30PM-4.30PM
			Friday, August 28, 2026	Average & RMS values of difference waveforms	3:30PM-4.30PM
Date	Topic	Timing	Monday, August 31, 2026	Two Port Networks & Graph Theory	3:30PM-4.30PM
Tuesday, August 18, 2026	Estimation & Costing - 1	5:30PM-7.00PM	Tuesday, September 1, 2026	Graph Theory and Questions	3:30PM-4.30PM
Wednesday, August 19, 2026	Estimation & Costing - 2	5:30PM-7.00PM	Wednesday, September 2, 2026	Poly phase Network	3:30PM-4.30PM
Thursday, August 20, 2026	Estimation & Costing - 3	5:30PM-7.00PM	Thursday, September 3, 2026	Poly phase Network	3:30PM-4.30PM
Friday, August 21, 2026	Estimation & Costing - 4	5:30PM-7.00PM	Friday, September 4, 2026	Power Triangle, impedance Triangle, charging and discharging of Inductor and Capacitor	3:30PM-4.30PM
Monday, August 24, 2026	Estimation & Costing - 5	5:30PM-7.00PM	Monday, September 7, 2026	Electric Potential	3:30PM-4.30PM
Tuesday, August 25, 2026	Estimation & Costing - 6	5:30PM-7.00PM	Tuesday, September 8, 2026	Ohms law, Concept of Resistance	3:30PM-4.30PM
Wednesday, August 26, 2026	Estimation & Costing - 7	5:30PM-7.00PM	Wednesday, September 9, 2026	Types Of Circuit Elements	3:30PM-4.30PM
Thursday, August 27, 2026	Estimation & Costing - 8	5:30PM-7.00PM	Thursday, September 10, 2026	Concept of Inductor	3:30PM-4.30PM
Friday, August 28, 2026	Estimation & Costing - 9	5:30PM-7.00PM	Friday, September 11, 2026	Concept of Capacitance & Laplace transforms	3:30PM-4.30PM
Monday, August 31, 2026	Estimation & Costing - 10	5:30PM-7.00PM	Monday, September 14, 2026	Some Functions & Their Laplace Transforms	3:30PM-4.30PM
Ashish SIR: Basic Electronics			Tuesday, September 15, 2026	Resistance in Series and Parallel & Star Delta conversion	3:30PM-4.30PM
Date	Topic	Timing	Wednesday, September 16, 2026	Capacitance in Series and Parallel	3:30PM-4.30PM
Tuesday, September 1, 2026	Introduction to Basic Electronics	5:30PM-7.00PM	Thursday, September 17, 2026	KVL and KCL	3:30PM-4.30PM
Wednesday, September 2, 2026	Basics of Semiconductor Materials Part-1	5:30PM-7.00PM	Friday, September 18, 2026	Question Practice Session	3:30PM-4.30PM
Thursday, September 3, 2026	Basics of Semiconductor Materials Part-2	5:30PM-7.00PM	Monday, September 21, 2026	Questions Practice Session	3:30PM-4.30PM
Friday, September 4, 2026	Semiconductor Physics Part-1	5:30PM-7.00PM	Tuesday, September 22, 2026	Network Theorem	3:30PM-4.30PM
Monday, September 7, 2026	Semiconductor Physics Part-2	5:30PM-7.00PM	Wednesday, September 23, 2026	(Superposition Theorem)	3:30PM-4.30PM
Tuesday, September 8, 2026	PN Junction Diode Part-1	5:30PM-7.00PM	Thursday, September 24, 2026	Thevenin's, Nortons Theorem	3:30PM-4.30PM
Wednesday, September 9, 2026	PN Junction Diode Part-2	5:30PM-7.00PM	Friday, September 25, 2026	Maximum Power Transfer Theorem	3:30PM-4.30PM
Thursday, September 10, 2026	Zener Diode Part -1	5:30PM-7.00PM	Monday, September 28, 2026	Tellegen's, Milliman's & Reciprocity Theorem	3:30PM-4.30PM

Friday, September 11, 2026	Zener Diode Part -2	5:30PM-7.00PM	Tuesday, September 29, 2026	AC Fundamentals	3:30PM-4.30PM
Monday, September 14, 2026	Tunnel diode, LED	5:30PM-7.00PM	Wednesday, September 30, 2026	Series Resonance	3:30PM-4.30PM
Tuesday, September 15, 2026	PhotoDiode, Shottcky Diode	5:30PM-7.00PM	Ashish SIR : Electrical Machine		
Wednesday, September 16, 2026	BJT Part-1	5:30PM-7.00PM	Date	Topic	Timing
Thursday, September 17, 2026	BJT Part-2	5:30PM-7.00PM	Recordings will be added by 07th July	Basics of Transformers	Recording-1
Friday, September 18, 2026	BJT Part-3	5:30PM-7.00PM		Construction of transformers & Emf Equation of transformers,	Recording-2
Monday, September 21, 2026	BJT Part-4	5:30PM-7.00PM		Equivalent circuit, O.C.& S.C. Tests	Recording-3
Tuesday, September 22, 2026	BJT Part-5	5:30PM-7.00PM		Voltage regulation of transformers, Losses and efficiency of transformers	Recording-4
Wednesday, September 23, 2026	BJT Part-6	5:30PM-7.00PM		3 Phase transformers, Parallel operation of transformers	Recording-5
Thursday, September 24, 2026	BJT Part-7	5:30PM-7.00PM		Construction & Working of 3-Phase Induction Machines	Recording-6
Friday, September 25, 2026	FeedBack Amplifier	5:30PM-7.00PM		Working & Equivalent Circuit of 3-Phase Induction Machines	Recording-7
Monday, September 28, 2026	Power amplifier	5:30PM-7.00PM		Torque Equation of 3-Phase induction Machines	Recording-8
Tuesday, September 29, 2026	FET introduction and working	5:30PM-7.00PM		Torque slip characteristics of 3-phase induction Motors	Recording-9
Wednesday, September 30, 2026	MCQs on FET	5:30PM-7.00PM		Starters & Braking methods of 3-Phase induction machines	Recording-10
Thursday, October 1, 2026	MOSFET introduction and working	5:30PM-7.00PM		Speed control of 3-Phase induction motors	Recording-11
Monday, October 5, 2026	Op-amp Part-1	5:30PM-7.00PM		Losses, efficiency, Cogging, Crawling of 3-Phase induction Motors	Recording-12
Tuesday, October 6, 2026	Op-amp Part-2	5:30PM-7.00PM		Construction and working of 1-Phase induction motors	Recording-13
Wednesday, October 7, 2026	Op-amp Part-3	5:30PM-7.00PM		Split phase Induction Motors, Capacitor start, Capacitor start capacitor run, Shaded pole Induction Motors	Recording-14
Thursday, October 8, 2026	Number system Part-1	5:30PM-7.00PM		Hysteresis, Switched Reluctance motors, stepper motors	Recording-15
Friday, October 9, 2026	Number system Part-2	5:30PM-7.00PM		Construction & Working of 3-phase Synchronous Machines	Recording-16
Monday, October 12, 2026	Boolean algebra	5:30PM-7.00PM		Armature reaction of 3-Phase synchronous generators at unity, Lagging pf & Leading pf	Recording-17
Tuesday, October 13, 2026	Logic Gates	5:30PM-7.00PM		Voltage Regulation of 3-Phase Synchronous generators	Recording-18
Wednesday, October 14, 2026	Basics of Power Electronics Part-1	5:30PM-7.00PM		Power flow, Synchronous condenser & important curves in synchronous machines in Synchronous Machines	Recording-19
Thursday, October 15, 2026	Basics of Power Electronics Part-2	5:30PM-7.00PM		Parallel Operation of Synchronous Machines	Recording-20
Friday, October 16, 2026	SCR Part-1	5:30PM-7.00PM		Working of 3-Phase synchronous motors	Recording-21
Monday, October 19, 2026	SCR Part-2	5:30PM-7.00PM		Starting methods of synchronous motors, Synchronizing coefficient	Recording-22
Tuesday, October 20, 2026	Types of Switches and their working Part-1	5:30PM-7.00PM		Testings in Synchronous Machines	Recording-23
Wednesday, October 21, 2026	Types of Switches and their working Part-2	5:30PM-7.00PM		Introduction to Electrical Machines	Recording-24
Thursday, October 22, 2026	Types of Switches and their working Part-3	5:30PM-7.00PM		Basic Concepts of Magnetic Materials	Recording-25
Friday, October 23, 2026	Miscellaneous	5:30PM-7.00PM		Basic concepts of Rotating Machines	Recording-26
Ashish SIR : UEE					Working of DC Generators

				Construction of DC Machines	Recording-28
				Commutator & Types of Windings	Recording-29
Date	Topic	Timing		Emf Equation of DC Generators	Recording-30
Recordings will be added by 07th July	Type of Motor and Characteristics	Recording-1		Type of DC Generators	Recording-31
	Type of loads	Recording-2		Questions on DC Generators	Recording-32
	System of electric traction and track electrification	Recording-3		Armature reaction of DC Generators-1	Recording-33
	Speed-time curves for different services	Recording-4		Armature reaction of DC Generators-2	Recording-34
	Calculation of various quantities of Electrical Traction	Recording-5		Commutation in DC Machines	Recording-35
	Methods of Electrical Heating	Recording-6		Methods of improving commutations	Recording-36
	Methods of Electrical Welding	Recording-7		Characteristics of DC Generators	Recording-37
	Introduction and terms used in Illumination	Recording-8		Basic Principle of Motor	Recording-38
	Discharge Lamps, MV and SV Lamps	Recording-9		Torque Equation of DC Motors	Recording-39
	Basic Principle of Light Control, Types and design of lightning and flood lighting	Recording-10		Speed control of DC Motors	Recording-40
				Starting and Braking methods of DC Motors	Recording-41
				Efficiency and testing methods of DC Motors	Recording-42

