Ashish SIR : Electrical Machine		
Date	**Topic**	**Timing**
Friday, August 29, 2025	Orienntation	2:00PM 3:30PM
Monday, September 1, 2025	Fundamentals of machine, Basics of transformer	2:00PM 3:30PM
Tuesday, September 2, 2025	Shell type and core type	2:00PM 3:30PM
Wednesday, September 3, 2025	Principle, ideal transformers, EMF equation	2:00PM 3:30PM
Thursday, September 4, 2025	Phasor diagram, Impedance transformer, rating of transformer	2:00PM 3:30PM
Friday, September 5, 2025	Equivalent cricuit	2:00PM 3:30PM
Monday, September 8, 2025	OC test and SC test and Sumpner Test	2:00PM 3:30PM
Tuesday, September 9, 2025	Voltage regulation	2:00PM 3:30PM
Wednesday, September 10, 2025	Losses in transformer	2:00PM 3:30PM
Thursday, September 11, 2025	Efficiency of a Transformer	2:00PM 3:30PM
Friday, September 12, 2025	Parallel Operation of Single Phase Transformer	2:00PM 3:30PM
Monday, September 15, 2025	Auto transformer	2:00PM 3:30PM
Tuesday, September 16, 2025	3 phase transformer-1	2:00PM 3:30PM
Wednesday, September 17, 2025	3 phase transformer-2	2:00PM 3:30PM
Thursday, September 18, 2025	DC generator introduction	2:00PM 3:30PM
Friday, September 19, 2025	Construction of DC machine	2:00PM 3:30PM
Monday, September 22, 2025	Classification of windings and its analysis	2:00PM 3:30PM
Tuesday, September 23, 2025	EMF equation & Classification of generators	2:00PM 3:30PM
Wednesday, September 24, 2025	Armature Reaction	2:00PM 3:30PM
Thursday, September 25, 2025	Commutation & interpolar winding	2:00PM 3:30PM
Friday, September 26, 2025	DC Generator Characteristics	2:00PM 3:30PM
Monday, September 29, 2025	Voltage buildup condition and Critical Condition	2:00PM 3:30PM
Tuesday, September 30, 2025	Voltage Regulation and Parallel Operation of DC Generator	2:00PM 3:30PM
Wednesday, October 1, 2025	DC motor introduction	2:00PM 3:30PM
Thursday, October 2, 2025	Classification of DC motor	2:00PM 3:30PM
Friday, October 3, 2025	Significance of back emf and torque analysis	2:00PM 3:30PM
Monday, October 6, 2025	DC Motor Characterstic	2:00PM 3:30PM
Tuesday, October 7, 2025	DC Motor Losses and Efficiency	2:00PM 3:30PM
Wednesday, October 8, 2025	Speed control of motor	2:00PM 3:30PM
Thursday, October 9, 2025	DC Motor Starter	2:00PM 3:30PM
Friday, October 10, 2025	Breaking and testing	2:00PM 3:30PM
Monday, October 13, 2025	3 phase IM introduction and construction	2:00PM 3:30PM
Tuesday, October 14, 2025	Slip and rotor circuit parameters	2:00PM 3:30PM
Wednesday, October 15, 2025	Torque Slip characteristics	2:00PM 3:30PM
Thursday, October 16, 2025	Starting methods	2:00PM 3:30PM
Friday, October 17, 2025	Speed control of Induction Motor	2:00PM 3:30PM
Monday, October 20, 2025	Testing of Indction motor	2:00PM 3:30PM

Ashish SIR : Control system		
Date	**Topic**	**Timing**
Saturday, September 20, 2025	Basic of Control System	5:00 PM - 6:00 PM
Monday, September 22, 2025	Transfer Function Analysis of AC and DC servomotor	5:00 PM - 6:00 PM
Tuesday, September 23, 2025	Control system Representation	5:00 PM - 6:00 PM
Wednesday, September 24, 2025	Time Response Analysis Part-1	5:00 PM - 6:00 PM
Thursday, September 25, 2025	Time Response Analysis Part-2	5:00 PM - 6:00 PM
Friday, September 26, 2025	Routh Hurwitz Criterion, Root Locus	5:00 PM - 6:00 PM
Saturday, September 27, 2025	Bode Plotting using semi log graph paper	5:00 PM - 6:00 PM
Sunday, September 28, 2025	Compensator	5:00 PM - 6:00 PM
Monday, September 29, 2025	Controller	5:00 PM - 6:00 PM

Ashish SIR : Estimation & Coasting		
Date	**Topic**	**Timing**
Wednesday, October 1, 2025	Class -1	5:00 PM - 6:00 PM
Thursday, October 2, 2025	Class -2	5:00 PM - 6:00 PM
Friday, October 3, 2025	Class -3	5:00 PM - 6:00 PM
Monday, October 6, 2025	Class -4	5:00 PM - 6:00 PM
Tuesday, October 7, 2025	Class -5	5:00 PM - 6:00 PM

Ashish SIR : UEE		
Date	**Topic**	**Timing**
Wednesday, October 8, 2025	Type of Motor and Characterstics	5:00 PM - 6:00 PM
Thursday, October 9, 2025	Type of loads	5:00 PM - 6:00 PM

Measurement and instrumentation		
Date	**Topic**	**Timing**
Monday, October 20, 2025	Methods of measurements, type of instruments	2:00PM 3:30PM
Tuesday, October 21, 2025	Basic Characteristics of an Instrument & Error Analysis	2:00PM 3:30PM
Wednesday, October 22, 2025	Types of Deflection, Damping and Controlling Torque	2:00PM 3:30PM
Thursday, October 23, 2025	classification of analog instruments, mcq	2:00PM 3:30PM
Friday, October 24, 2025	Basic Galvanometer, PMMC & MI instruments	2:00PM 3:30PM
Monday, October 27, 2025	Electrodyanamometer instruments	2:00PM 3:30PM
Tuesday, October 28, 2025	Thermal instruments electrostatic instruments rectifier type	2:00PM 3:30PM
Wednesday, October 29, 2025	Requirement of Range Extension and Basic DC Ammeter & Voltmeter	2:00PM 3:30PM
Thursday, October 30, 2025	Loading Effect Due to Voltmeter Resistance	2:00PM 3:30PM
Friday, October 31, 2025	Property , materials, measurments of low resistance	2:00PM 3:30PM
Monday, November 3, 2025	Measurments of medium resistance	2:00PM 3:30PM
Tuesday, November 4, 2025	Measurments of high resistance	2:00PM 3:30PM
Wednesday, November 5, 2025	Measurments of inductance-1	2:00PM 3:30PM
Thursday, November 6, 2025	Measurments of inductance-2	2:00PM 3:30PM
Friday, November 7, 2025	Capacitance and special bridges	2:00PM 3:30PM
Monday, November 10, 2025	DC and AC power,introduction to wattmeter	2:00PM 3:30PM
Tuesday, November 11, 2025	Blondel theorem , two WM method, Single WM method	2:00PM 3:30PM
Wednesday, November 12, 2025	Errors in Wattmeter	2:00PM 3:30PM
Thursday, November 13, 2025	Induction Type Energy Meter	2:00PM 3:30PM
Friday, November 14, 2025	Measurement of Frequency	2:00PM 3:30PM
Monday, November 17, 2025	Measurement of Power Factor	2:00PM 3:30PM
Tuesday, November 18, 2025	Basics and construction of CRO	2:00PM 3:30PM
Wednesday, November 19, 2025	Measurement of phase and frequency	2:00PM 3:30PM
Thursday, November 20, 2025	Operation modes of CRO and Special CRO	2:00PM 3:30PM
Friday, November 21, 2025	AC Potentiometers	2:00PM 3:30PM
Monday, November 24, 2025	Basic Potentiometer Circuit &Crompton's Potentiometer Circuit	2:00PM 3:30PM
Tuesday, November 25, 2025	Strain gauges, LVDT, RTD. thermistor and pyrometer	2:00PM 3:30PM
Wednesday, November 26, 2025	Construction , principle, application of Q- meter	2:00PM 3:30PM
Thursday, November 27, 2025	CT & PT and Burden of Instrument Transformer	2:00PM 3:30PM
Friday, November 28, 2025	basic of DVM and its Extension, Type of DVM	2:00PM 3:30PM
Monday, December 1, 2025	basic of Electronic AC Voltmeter and its principle operation	2:00PM 3:30PM
Tuesday, December 2, 2025	Type of Electronic AC Voltmeters	2:00PM 3:30PM
Wednesday, December 3, 2025	Live doubt and miscellaneous-1	2:00PM 3:30PM
Thursday, December 4, 2025	Live doubt and miscellaneous-2	2:00PM 3:30PM
Friday, December 5, 2025	Live doubt and miscellaneous-3	2:00PM 3:30PM

Basic Electronics		
Date	**Topic**	**Timing**
Tuesday, October 21, 2025	Orientation	5:00PM - 6:00PM
Wednesday, October 22, 2025	Introduction to Number systems	5:00PM - 6:00PM
Thursday, October 23, 2025	Addition in different base	5:00PM - 6:00PM
Friday, October 24, 2025	Subtraction in Different Base	5:00PM - 6:00PM
Monday, October 27, 2025	Complements	5:00PM - 6:00PM
Tuesday, October 28, 2025	Interconversions part-1	5:00PM - 6:00PM
Wednesday, October 29, 2025	Interconversions part-2	5:00PM - 6:00PM
Thursday, October 30, 2025	Binary Codes,BCD	5:00PM - 6:00PM
Friday, October 31, 2025	Excess-3 and Gray Codes	5:00PM - 6:00PM
Monday, November 3, 2025	Practice Questions	5:00PM - 6:00PM
Tuesday, November 4, 2025	Axioms and Operations	5:00PM - 6:00PM
Wednesday, November 5, 2025	Laws of Boolean Algebra	5:00PM - 6:00PM
Thursday, November 6, 2025	SOP and POS representation part-1	5:00PM - 6:00PM
Friday, November 7, 2025	SOP and POS representation part-2	5:00PM - 6:00PM
Monday, November 10, 2025	Basic Gates	5:00PM - 6:00PM
Tuesday, November 11, 2025	Special Gates	5:00PM - 6:00PM
Wednesday, November 12, 2025	Universal Gates	5:00PM - 6:00PM
Thursday, November 13, 2025	Circuits of Gates	5:00PM - 6:00PM
Friday, November 14, 2025	Adders	5:00PM - 6:00PM
Monday, November 17, 2025	Subtractors	5:00PM - 6:00PM
Tuesday, November 18, 2025	Multiplexers part-1	5:00PM - 6:00PM
Wednesday, November 19, 2025	Multiplexers part-2	5:00PM - 6:00PM
Thursday, November 20, 2025	Demultiplexers and Decoders	5:00PM - 6:00PM
Friday, November 21, 2025	Practice Questions	5:00PM - 6:00PM
Monday, November 24, 2025	Introduction to flip flops	5:00PM - 6:00PM
Tuesday, November 25, 2025	Different types of Flip flops	5:00PM - 6:00PM
Wednesday, November 26, 2025	Counters Basics	5:00PM - 6:00PM
Thursday, November 27, 2025	Counters Basics	5:00PM - 6:00PM

Friday, October 10, 2025	System of electric traction and track electrification	5:00 PM - 6:00 PM
Monday, October 13, 2025	Speed-time curves for different services	5:00 PM - 6:00 PM
Tuesday, October 14, 2025	Calculation of various quantities of Electrical Traction	5:00 PM - 6:00 PM
Wednesday, October 15, 2025	Methods of Electrical Heating	5:00 PM - 6:00 PM
Thursday, October 16, 2025	Methods of Electrical Welding	5:00 PM - 6:00 PM
Friday, October 17, 2025	Introduction and terms used in Illumination	5:00 PM - 6:00 PM
Monday, October 20, 2025	Discharge Lamps, MV and SV Lamps	5:00 PM - 6:00 PM
Tuesday, October 21, 2025	Basic Principle of Light Control , Types and design of lightning and flood lighting	5:00 PM - 6:00 PM
END OF SUBJECT		

Electronics Devices

Date	Topic	Timing
Recorded	Energy Band Diagram	Recorded
Recorded	Types of Semiconductor	Recorded
Recorded	Resistivity and Conductivity of Semiconductor	Recorded
Recorded	Hall Effect	Recorded
Recorded	Practice Questions	Recorded
Recorded	PN Junction Diodes	Recorded
Recorded	Characteristics of PN Junction Diodes	Recorded
Recorded	Transistion and Diffusion Capacacitance	Recorded
Recorded	Zener Diode	Recorded
Recorded	Avalanche and Zener Breakdown	Recorded
Recorded	Rectifiers-1	Recorded
Recorded	Rectifiers-2	Recorded
Recorded	Clippers	Recorded
Recorded	Clampers	Recorded
Recorded	Practice Questions	Recorded
Recorded	Transistors and Its working	Recorded
Recorded	Confuguration and Characteristics of Transistors	Recorded
Recorded	Current Components in BJT	Recorded
Recorded	Early Effect	Recorded
Recorded	Mode of Operation	Recorded
Recorded	Applications of Transistor	Recorded
Recorded	BJT amplifiers - 1	Recorded
Recorded	BJT amplifiers - 2	Recorded
Recorded	Power amplifiers	Recorded
Recorded	Sinusoidal Osciilator & Phase shift Oscillator	Recorded
Recorded	Wien Bridge Oscillator	Recorded
Recorded	Colpitts and Hartley Oscillators	Recorded
Recorded	Multivibrator - 1	Recorded
Recorded	Multivibrator - 2	Recorded
Recorded	Practice Questions	Recorded
Recorded	Inverter and UPS	Recorded
Recorded	Working of Triode	Recorded
Recorded	Triode Circuits	Recorded
END OF SUBJECT		

Friday, November 28, 2025	Practice Questions	5:00PM - 6:00PM
Monday, December 1, 2025	A/D Convertors	5:00PM - 6:00PM
Tuesday, December 2, 2025	D/A Convertors	5:00PM - 6:00PM
Wednesday, December 3, 2025	Practice Questions	5:00PM - 6:00PM
Thursday, December 4, 2025	Memories	5:00PM - 6:00PM

Power Electronics

Date	Title	Time
Recorded	Power Electronics -1	Recorded
Recorded	Power Electronics -2	Recorded
Recorded	Power Electronics -3	Recorded
Recorded	Power Electronics -4	Recorded
Recorded	Power Electronics -5	Recorded
Recorded	Power Electronics -6	Recorded
Recorded	Power Electronics -7	Recorded
Recorded	Power Electronics -8	Recorded
Recorded	Power Electronics -9	Recorded
Recorded	Power Electronics -10	Recorded
Recorded	Power Electronics -11	Recorded
Recorded	Power Electronics -12	Recorded
Recorded	Power Electronics -13	Recorded
Recorded	Power Electronics -14	Recorded
Recorded	Power Electronics -15	Recorded
Recorded	Power Electronics -16	Recorded
Recorded	Power Electronics -17	Recorded
Recorded	Power Electronics -18	Recorded

Ashish Sir : Power Systems

Date	Topic	Timing
Monday, December 8, 2025	Introduction to Power Systems	5:00PM - 6:00PM
Tuesday, December 9, 2025	Generation (Thermal Power plant, Hydro Power Plant)	5:00PM - 6:00PM
Wednesday, December 10, 2025	Generation (Nuclear Power Plant), Renewable & Non renewable power plant	5:00PM - 6:00PM
Thursday, December 11, 2025	Economic Load factors (Load factor, capacity factor etc.)	5:00PM - 6:00PM
Friday, December 12, 2025	Per unit method Part-1	5:00PM - 6:00PM
Monday, December 15, 2025	Per unit method Part-2	5:00PM - 6:00PM
Tuesday, December 16, 2025	Question practice Session	5:00PM - 6:00PM
Wednesday, December 17, 2025	Power factor improvement Part-1	5:00PM - 6:00PM
Thursday, December 18, 2025	Power factor improvement Part-2	5:00PM - 6:00PM
Friday, December 19, 2025	Power factor improvement Part-3	5:00PM - 6:00PM
Monday, December 22, 2025	Power factor improvement Part - 4	5:00PM - 6:00PM
Tuesday, December 23, 2025	Question practice Session	5:00PM - 6:00PM
Wednesday, December 24, 2025	Transmission line parameters Part-1	5:00PM - 6:00PM
Thursday, December 25, 2025	Transmission line parameters Part-2	5:00PM - 6:00PM
Friday, December 26, 2025	Transmission line parameters Part-3	5:00PM - 6:00PM
Monday, December 29, 2025	Short circuit of fault analysis Part -1	5:00PM - 6:00PM
Tuesday, December 30, 2025	Short circuit of fault analysis Part -2	5:00PM - 6:00PM
Wednesday, December 31, 2025	Question practice Session	5:00PM - 6:00PM
Thursday, January 1, 2026	Short circuit of fault analysis Part -3	5:00PM - 6:00PM
Friday, January 2, 2026	Power system stability Part - 1	5:00PM - 6:00PM
Monday, January 5, 2026	Power system stability Part - 2	5:00PM - 6:00PM
Tuesday, January 6, 2026	Switchgear and protection Part-1	5:00PM - 6:00PM
Wednesday, January 7, 2026	Switchgear and protection Part-2	5:00PM - 6:00PM
Thursday, January 8, 2026	Switchgear and protection Part-3	5:00PM - 6:00PM
Friday, January 9, 2026	Switchgear and protection Part-4	5:00PM - 6:00PM
Monday, January 12, 2026	Switchgear and protection Part-5	5:00PM - 6:00PM
Tuesday, January 13, 2026	Question practice Session	5:00PM - 6:00PM
Wednesday, January 14, 2026	Cables, insulators Part -1	5:00PM - 6:00PM
Thursday, January 15, 2026	Cables, insulators Part -2	5:00PM - 6:00PM
Friday, January 16, 2026	Circuit Breakers Part -1	5:00PM - 6:00PM
Monday, January 19, 2026	Circuit Breakers Part -2	5:00PM - 6:00PM
Tuesday, January 20, 2026	Question practice Session	5:00PM - 6:00PM