Study Plan

Ashish Sir: Basic Electronics		
Date	**Topic**	**Timing**
Monday, November 30, 2026	Introduction to Basic Electronics	5:45PM 6.45PM
Tuesday, December 1, 2026	Basics of Semiconductor Materials Part-1	5:45PM 6.45PM
Wednesday, December 2, 2026	Basics of Semiconductor Materials Part-2	5:45PM 6.45PM
Thursday, December 3, 2026	Semiconductor Physics Part-1	5:45PM 6.45PM
Friday, December 4, 2026	Semiconductor Physics Part-2	5:45PM 6.45PM
Monday, December 7, 2026	PN Junction Diode Part-1	5:45PM 6.45PM
Tuesday, December 8, 2026	PN Junction Diode Part-2	5:45PM 6.45PM
Wednesday, December 9, 2026	Zener Diode Part -1	5:45PM 6.45PM
Thursday, December 10, 2026	Zener Diode Part -2	5:45PM 6.45PM
Friday, December 11, 2026	Tunnel diode, LED	5:45PM 6.45PM
Monday, December 14, 2026	PhotoDiode, Shottcky Diode	5:45PM 6.45PM
Tuesday, December 15, 2026	BJT Part-1	5:45PM 6.45PM
Wednesday, December 16, 2026	BJT Part-2	5:45PM 6.45PM
Thursday, December 17, 2026	BJT Part-3	5:45PM 6.45PM
Friday, December 18, 2026	BJT Part-4	5:45PM 6.45PM

Ashish Sir - Network Theory/Basic Electrical		
Date	**Topic**	**Timing**
Monday, November 30, 2026	Resistance in Series and Parallel & Star Delta conversion	3:30PM - 4:30PM
Tuesday, December 1, 2026	Capacitance in Series and Parallel	3:30PM - 4:30PM
Wednesday, December 2, 2026	KVL and KCL	3:30PM - 4:30PM
Thursday, December 3, 2026	Question Practice Session	3:30PM - 4:30PM
Friday, December 4, 2026	Questions Practice Session	3:30PM - 4:30PM
Monday, December 7, 2026	Network Theorem	3:30PM - 4:30PM
Tuesday, December 8, 2026	(Superposition Theorem)	3:30PM - 4:30PM
Wednesday, December 9, 2026	Thevenin's, Nortons Theorem	3:30PM - 4:30PM
Thursday, December 10, 2026	Maximum Power Transfer Theorem	3:30PM - 4:30PM
Friday, December 11, 2026	Tellegen's, Milliman's & Reciprocity Theorem	3:30PM - 4:30PM
Monday, December 14, 2026	AC Fundamentals	3:30PM - 4:30PM
Tuesday, December 15, 2026	Series Resonance	3:30PM - 4:30PM
Wednesday, December 16, 2026	Parallel Resonance	3:30PM - 4:30PM
Thursday, December 17, 2026	Performance Parameters of Series and Parallel Resonance	3:30PM - 4:30PM
Friday, December 18, 2026	Average & RMS values of difference waveforms	3:30PM - 4:30PM

Ashish Sir : Measurement and instrumentation		
Date	**Topic**	**Timing**
Wednesday, January 27, 2027	Introduction to Electrical & Electronics Engineering Measurements	3:30PM - 4:30PM
Thursday, January 28, 2027	Error Analysis Part-1	3:30PM - 4:30PM
Friday, January 29, 2027	Error Analysis Part-2	3:30PM - 4:30PM
Monday, February 1, 2027	Types of Dampings and torques	3:30PM - 4:30PM
Tuesday, February 2, 2027	PMMC	3:30PM - 4:30PM
Wednesday, February 3, 2027	Rectifier type instruments	3:30PM - 4:30PM
Thursday, February 4, 2027	Moving iron type instruments -1	3:30PM - 4:30PM
Friday, February 5, 2027	Moving iron type instruments -2	3:30PM - 4:30PM
Monday, February 8, 2027		3:30PM - 4:30PM
Tuesday, February 9, 2027	Power factor meter, flux meter, Frequency meter	3:30PM - 4:30PM
Wednesday, February 10, 2027	Measurement of Power-1	3:30PM - 4:30PM
Thursday, February 11, 2027	Measurement of Power-2	3:30PM - 4:30PM
Friday, February 12, 2027	Energy meter -1	3:30PM - 4:30PM
Monday, February 15, 2027	Energy meter -2	3:30PM - 4:30PM
Tuesday, February 16, 2027	Instrument transformers Part-1	3:30PM - 4:30PM

Monday, December 21, 2026	BJT Part-5	5:45PM 6.45PM	Monday, December 21, 2026	Two Port Networks & Graph Theory	3:30PM - 4:30PM	Wednesday, February 17, 2027	Instrument transformers Part-2	3:30PM - 4:30PM
Tuesday, December 22, 2026	BJT Part-6	5:45PM 6.45PM	Tuesday, December 22, 2026	Graph Theory and Questions	3:30PM - 4:30PM	Thursday, February 18, 2027	CRO - 1	3:30PM - 4:30PM
Wednesday, December 23, 2026	BJT Part-7	5:45PM 6.45PM	Wednesday, December 23, 2026	Poly phase Network	3:30PM - 4:30PM	Friday, February 19, 2027	CRO - 2	3:30PM - 4:30PM
Thursday, December 24, 2026	FeedBack Amplifier	5:45PM 6.45PM	Thursday, December 24, 2026	Poly phase Network	3:30PM - 4:30PM	Monday, February 22, 2027	AC bridges 1	3:30PM - 4:30PM
Monday, December 28, 2026	Power amplifier	5:45PM 6.45PM	Monday, December 28, 2026	Power Triangle, impedance Triangle, charging and discharging of Inductor and Capacitor	3:30PM - 4:30PM	Tuesday, February 23, 2027	AC bridges 2	3:30PM - 4:30PM
Tuesday, December 29, 2026	FET introduction and working	5:45PM 6.45PM		Electric Potential		**Ashish Sir : Estimation and costing**		
Wednesday, December 30, 2026	MCQs on FET	5:45PM 6.45PM		Ohms law, Concept of Resistance		**Date**	**Topic**	**Timing**
Thursday, December 31, 2026	MOSFET introduction and working	5:45PM 6.45PM		Types Of Circuit Elements		Wednesday, February 24, 2027	Estimation and costing-1	3:30PM - 4:30PM
Friday, January 1, 2027	Op-amp Part-1	5:45PM 6.45PM		Concept of Inductor		Thursday, February 25, 2027	Estimation and costing-2	3:30PM - 4:30PM
Monday, January 4, 2027	Op-amp Part-2	5:45PM 6.45PM		Concept of Capacitance & Laplace transforms		Friday, February 26, 2027	Estimation and costing-3	3:30PM - 4:30PM
Tuesday, January 5, 2027	Op-amp Part-3	5:45PM 6.45PM		Some Functions & Their Laplace Transforms		Monday, March 1, 2027	Estimation and costing-4	3:30PM - 4:30PM
Wednesday, January 6, 2027	Number system Part-1	5:45PM 6.45PM	**Ashish Sir - UEE**			Tuesday, March 2, 2027	Estimation and costing-5	3:30PM - 4:30PM
Thursday, January 7, 2027	Number system Part-2	5:45PM 6.45PM	**Date**	**Topic**	**Timing**	Wednesday, March 3, 2027	Estimation and costing-6	3:30PM - 4:30PM
Friday, January 8, 2027	Boolean algebra	5:45PM 6.45PM	Tuesday, December 29, 2026	Type of Motor and Characterstics	3:30PM - 4:30PM	Thursday, March 4, 2027	Estimation and costing-7	3:30PM - 4:30PM
Monday, January 11, 2027	Logic Gates	5:45PM 6.45PM	Wednesday, December 30, 2026	Type of loads	3:30PM - 4:30PM	Friday, March 5, 2027	Estimation and costing-8	3:30PM - 4:30PM
Tuesday, January 12, 2027	Basics of Power Electronics Part-1	5:45PM 6.45PM	Thursday, December 31, 2026	System of electric traction and track electrification	3:30PM - 4:30PM	Monday, March 8, 2027	Estimation and costing-9	3:30PM - 4:30PM
Wednesday, January 13, 2027	Basics of Power Electronics Part-2	5:45PM 6.45PM	Monday, January 4, 2027	Speed-time curves for different services	3:30PM - 4:30PM	Tuesday, March 9, 2027	Estimation and costing-10	3:30PM - 4:30PM
Thursday, January 14, 2027	SCR Part-1	5:45PM 6.45PM	Tuesday, January 5, 2027	Calculation of various quantities of Electrical Traction	3:30PM - 4:30PM	**Ashish Sir : EMFT**		
Friday, January 15, 2027	SCR Part-2	5:45PM 6.45PM	Wednesday, January 6, 2027	Methods of Electrical Heating	3:30PM - 4:30PM	**Date**	**Topic**	**Timing**
Monday, January 18, 2027	Types of Switches and their working Part-1	5:45PM 6.45PM	Thursday, January 7, 2027	Methods of Electrical Welding	3:30PM - 4:30PM	Wednesday, February 24, 2027	EMFT-1	3:30PM - 4:30PM
Tuesday, January 19, 2027	Types of Switches and their working Part-2	5:45PM 6.45PM	Friday, January 8, 2027	Introduction and terms used in Illumination	3:30PM - 4:30PM	Thursday, February 25, 2027	EMFT-2	3:30PM - 4:30PM

Wednesday, January 20, 2027	Types of Switches and their working Part-3	5:45PM 6.45PM	Monday, January 11, 2027	Discharge Lamps, MV and SV Lamps	3:30PM - 4:30PM	Friday, February 26, 2027	EMFT-3	3:30PM - 4:30PM
Thursday, January 21, 2027	Miscellnous	5:45PM 6.45PM	Tuesday, January 12, 2027	Basic Principle of Light Control , Types and design of lightning and flood lighting	3:30PM - 4:30PM	Monday, March 1, 2027	EMFT-4	3:30PM - 4:30PM
Ashish Sir: Electrical Machine						Tuesday, March 2, 2027	EMFT-5	3:30PM - 4:30PM
Date	**Topic**	**Timing**				Wednesday, March 3, 2027	EMFT-6	3:30PM - 4:30PM
Friday, January 22, 2027	Introduction to Electrical Machines	5:45PM 6.45PM				Thursday, March 4, 2027	EMFT-7	3:30PM - 4:30PM
Monday, January 25, 2027	Basic Concepts of Magnetic Materials	5:45PM 6.45PM				Friday, March 5, 2027	EMFT-8	3:30PM - 4:30PM
Wednesday, January 27, 2027	Basic concepts of Rotating Machines	5:45PM 6.45PM				Monday, March 8, 2027	EMFT-9	3:30PM - 4:30PM
Thursday, January 28, 2027	Working of DC Generators	5:45PM 6.45PM				Tuesday, March 9, 2027	EMFT-10	3:30PM - 4:30PM
Friday, January 29, 2027	Constrution of DC Machines	5:45PM 6.45PM						
Monday, February 1, 2027	Commutator & Types of Windings	5:45PM 6.45PM						
Tuesday, February 2, 2027	Emf Equation of DC Generators	5:45PM 6.45PM						
Wednesday, February 3, 2027	Type of DC Generators	5:45PM 6.45PM						
Thursday, February 4, 2027	Questions on DC Generators	5:45PM 6.45PM						
Friday, February 5, 2027	Armature reaction of DC Generators-1	5:45PM 6.45PM						
Monday, February 8, 2027	Armature reaction of DC Generators-2	5:45PM 6.45PM						
Tuesday, February 9, 2027	Commutation in DC Machines	5:45PM 6.45PM						
Wednesday, February 10, 2027	Methods of improving commutations	5:45PM 6.45PM						
Thursday, February 11, 2027	Characteristics of DC Generators	5:45PM 6.45PM						
Friday, February 12, 2027	Basic Principle of Motor	5:45PM 6.45PM						
Monday, February 15, 2027	Torque Equation of DC Motors	5:45PM 6.45PM						
Tuesday, February 16, 2027	Speed control of DC Motors	5:45PM 6.45PM						
Wednesday, February 17, 2027	Starting and Braking methods of DC Motors	5:45PM 6.45PM						

Adda247

Thursday, February 18, 2027	Efficiency and testing methods of DC Motors	5:45PM 6.45PM							
Friday, February 19, 2027	Basics of Transformers	5:45PM 6.45PM							
Monday, February 22, 2027	Construction of transformers & Emf Equation of transformers,	5:45PM 6.45PM							
Tuesday, February 23, 2027	Equivalent circuit, O.C.& S.C. Tests	5:45PM 6.45PM							
Wednesday, February 24, 2027	Voltage regulation of transformers,Losses and efficiency of transformers	5:45PM 6.45PM							
Thursday, February 25, 2027	3 Phase transformers,Parallel operation of transformers	5:45PM 6.45PM							
Friday, February 26, 2027	Construction & Working of 3-Phase Induction Machines	5:45PM 6.45PM							
Monday, March 1, 2027	Working & Equivalent Circuitof 3-Phase Induction Machines	5:45PM 6.45PM							
Tuesday, March 2, 2027	Torque Equation of 3-Phase induction Machines	5:45PM 6.45PM							
Wednesday, March 3, 2027	Torque slip characteristics of 3-phase induction Motors	5:45PM 6.45PM							
Thursday, March 4, 2027	Starters & Braking methods of 3-Phase induction machines	5:45PM 6.45PM							
Friday, March 5, 2027	Speed control of 3-Phase induction motors	5:45PM 6.45PM							
Monday, March 8, 2027	Losses, efficiency, Cogging, Crawling of 3-Phase induction Motors	5:45PM 6.45PM							
Tuesday, March 9, 2027	Consturction and working of 1-Phase induction motors	5:45PM 6.45PM							
Wednesday, March 10, 2027	Split phase Induction Motors, Capacitor start, Capacitor start capacitor run, Shaded pole Induction Motors	5:45PM 6.45PM							
Thursday, March 11, 2027	Hysteresis, Switched Reluctance motors, stepper motors	5:45PM 6.45PM							
Friday, March 12, 2027	Construction & Working of 3-phase Synchronous Machines	5:45PM 6.45PM							
Monday, March 15, 2027	Armature reaction of 3-Phase synchronous generators at unity , Lagging pf & Leading pf	5:45PM 6.45PM							
Tuesday, March 16, 2027	Voltage Regulation of 3-Phase Synchronous generators	5:45PM 6.45PM							
Wednesday, March 17, 2027	Power flow,Synchronous condenser & important curves in synchronous machines in Synchronous Machines	5:45PM 6.45PM							
Thursday, March 18, 2027	Parallel Operation of Synchronous Machines	5:45PM 6.45PM							

Adda247

Friday, March 19, 2027	Working of 3-Phase synchornous motors	5:45PM 6.45PM							
Monday, March 22, 2027	Starting methods of synchronous motors, Synchronizing coefficient	5:45PM 6.45PM							
Tuesday, March 23, 2027	Testings in Synchronous Machines	5:45PM 6.45PM							