STUDY PLAN

Rahul Sir : Hydraulic Machines		
Date	**Title**	**Timing**
Friday, May 1, 2026	Impact of jet	7 PM - 8.30 PM
Monday, May 4, 2026	Turbine basic , classification	7 PM - 8.30 PM
Tuesday, May 5, 2026	Pelton wheel , francis , kaplan turbine	7 PM - 8.30 PM
Wednesday, May 6, 2026	Pump-1	7 PM - 8.30 PM
Thursday, May 7, 2026	Pump-2	7 PM - 8.30 PM
Friday, May 8, 2026	Live doubt and miscellaneous-1	7 PM - 8.30 PM
Monday, May 11, 2026	Live doubt and miscellaneous-2	7 PM - 8.30 PM
Tuesday, May 12, 2026	Live doubt and miscellaneous-3	7 PM - 8.30 PM

Rahul sir : Strength of Materials		
Date	**Title**	**Timing**
Wednesday, May 13, 2026	Basic Introduction	7 PM - 8.30 PM
Thursday, May 14, 2026	Types of Loads & Classification-1	7 PM - 8.30 PM
Friday, May 15, 2026	Types of Loads & Classification-2	7 PM - 8.30 PM
Monday, May 18, 2026	Stress & Strain (Basics)-1	7 PM - 8.30 PM
Tuesday, May 19, 2026	Stress & Strain (Basics)-2	7 PM - 8.30 PM
Wednesday, May 20, 2026	Stress & Strain (Basics)-3	7 PM - 8.30 PM
Thursday, May 21, 2026	Stress-Strain Curve	7 PM - 8.30 PM
Friday, May 22, 2026	Failure under Different Loading	7 PM - 8.30 PM
Monday, May 25, 2026	Elastic Constants	7 PM - 8.30 PM
Tuesday, May 26, 2026	Deformation (Series & Parallel)-1	7 PM - 8.30 PM
Wednesday, May 27, 2026	Deformation (Series & Parallel)-2	7 PM - 8.30 PM
Thursday, May 28, 2026	Strain Energy due to Self Weight	7 PM - 8.30 PM
Friday, May 29, 2026	Strain Energy-1	7 PM - 8.30 PM
Monday, June 1, 2026	Strain Energy-2	7 PM - 8.30 PM
Tuesday, June 2, 2026	Moment of Inertia-1	7 PM - 8.30 PM
Wednesday, June 3, 2026	Moment of Inertia-2	7 PM - 8.30 PM

Rahul sir : IC Engine		
Date	**Title**	**Timing**
Monday, May 4, 2026	Basic Introduction & Terminology	3 PM - 4.30 PM
Tuesday, May 5, 2026	Air Standard Cycle + Otto Cycle Intro	3 PM - 4.30 PM
Wednesday, May 6, 2026	Otto Cycle Detailed	3 PM - 4.30 PM
Thursday, May 7, 2026	Diesel Cycle	3 PM - 4.30 PM
Friday, May 8, 2026	Dual Cycle + Numericals	3 PM - 4.30 PM
Monday, May 11, 2026	Efficiency Comparison of Cycles-1	3 PM - 4.30 PM
Tuesday, May 12, 2026	Efficiency Comparison of Cycles-2	3 PM - 4.30 PM
Wednesday, May 13, 2026	Performance Analysis-1	3 PM - 4.30 PM
Thursday, May 14, 2026	Performance Analysis-1	3 PM - 4.30 PM
Friday, May 15, 2026	SI Engine Combustion-1	3 PM - 4.30 PM
Monday, May 18, 2026	SI Engine Combustion-2	3 PM - 4.30 PM
Tuesday, May 19, 2026	CI Engine Combustion-1	3 PM - 4.30 PM
Wednesday, May 20, 2026	CI Engine Combustion-2	3 PM - 4.30 PM
Thursday, May 21, 2026	Carburetor	3 PM - 4.30 PM
Friday, May 22, 2026	Fuel Quality & A/F Ratio	3 PM - 4.30 PM
Monday, May 25, 2026	Octane & Cetane Number	3 PM - 4.30 PM
Tuesday, May 26, 2026	Cooling System	3 PM - 4.30 PM
Wednesday, May 27, 2026	Lubrication System	3 PM - 4.30 PM

Rahul Sir : RAC		
Date	**Title**	**Timing**
Thursday, May 28, 2026	Basic Introduction	3 PM - 4.30 PM
Friday, May 29, 2026	VCRS Intro + Ideal Refrigeration Cycle	3 PM - 4.30 PM
Monday, June 1, 2026	VCRS Cycle Analysis (COP etc.)	3 PM - 4.30 PM
Tuesday, June 2, 2026	VCRS Performance Analysis	3 PM - 4.30 PM
Wednesday, June 3, 2026	Reverse Brayton (Bell-Coleman) Cycle	3 PM - 4.30 PM

Thursday, June 4, 2026	Thermal Stress-1	7 PM - 8.30 PM		Tuesday, May 26, 2026	Cascade Refrigeration System	3 PM - 4.30 PM
Friday, June 5, 2026	Thermal Stress-2	7 PM - 8.30 PM		Wednesday, May 27, 2026	Refrigerants Definition	3 PM - 4.30 PM
Monday, June 8, 2026	Beams (CRM)-1	7 PM - 8.30 PM		Thursday, May 28, 2026	Properties of Refrigerants	3 PM - 4.30 PM
Tuesday, June 9, 2026	Beams (CRM)-2	7 PM - 8.30 PM		Friday, May 29, 2026	Psychrometry Introduction	3 PM - 4.30 PM
Wednesday, June 10, 2026	Beams (CRM)-3	7 PM - 8.30 PM		Monday, June 1, 2026	Psychrometric Chart Processes	3 PM - 4.30 PM
Thursday, June 11, 2026	Bending in Beam-1	7 PM - 8.30 PM		Tuesday, June 2, 2026	Psychrometric Chart Numericals	3 PM - 4.30 PM
Friday, June 12, 2026	Bending in Beam-2	7 PM - 8.30 PM		Wednesday, June 3, 2026	Refrigeration Devices (Working & Material)	3 PM - 4.30 PM
Monday, June 15, 2026	Bending in Beam-3	7 PM - 8.30 PM		**Rahul Sir : Production Engineering**		
Tuesday, June 16, 2026	Torsion in Shaft-1	7 PM - 8.30 PM		**Date**	**Title**	**Timing**
Wednesday, June 17, 2026	Torsion in Shaft-2	7 PM - 8.30 PM		Thursday, June 4, 2026	Welding-1	3 PM - 4.30 PM
Thursday, June 18, 2026	Combined Stresses-1	7 PM - 8.30 PM		Friday, June 5, 2026	Welding-2	3 PM - 4.30 PM
Friday, June 19, 2026	Combined Stresses-2	7 PM - 8.30 PM		Monday, June 8, 2026	Welding-3	3 PM - 4.30 PM
Monday, June 22, 2026	Combined Stresses-3	7 PM - 8.30 PM		Tuesday, June 9, 2026	Welding-4	3 PM - 4.30 PM
Tuesday, June 23, 2026	Mohr Circle-1	7 PM - 8.30 PM		Wednesday, June 10, 2026	Welding-5	3 PM - 4.30 PM
Wednesday, June 24, 2026	Mohr Circle-2	7 PM - 8.30 PM		Thursday, June 11, 2026	Casting-1	3 PM - 4.30 PM
Thursday, June 25, 2026	SFD & BMD-1	7 PM - 8.30 PM		Friday, June 12, 2026	Casting-2	3 PM - 4.30 PM
Friday, June 26, 2026	SFD & BMD-2	7 PM - 8.30 PM		Monday, June 15, 2026	Casting-3	3 PM - 4.30 PM
Monday, June 29, 2026	SFD & BMD-3	7 PM - 8.30 PM		Tuesday, June 16, 2026	Casting-4	3 PM - 4.30 PM
Tuesday, June 30, 2026	SFD & BMD-4	7 PM - 8.30 PM		Wednesday, June 17, 2026	Casting-5	3 PM - 4.30 PM
Wednesday, July 1, 2026	Slope & Deflection-1	7 PM - 8.30 PM		Thursday, June 18, 2026	Metal Forming-1	3 PM - 4.30 PM
Thursday, July 2, 2026	Slope & Deflection-2	7 PM - 8.30 PM		Friday, June 19, 2026	Metal Forming-2	3 PM - 4.30 PM
Friday, July 3, 2026	Columns & Struts	7 PM - 8.30 PM		Monday, June 22, 2026	Metal Forming-3	3 PM - 4.30 PM
Monday, July 6, 2026	Thin & Thick Cylinder	7 PM - 8.30 PM		Tuesday, June 23, 2026	Metal Forming-4	3 PM - 4.30 PM
Tuesday, July 7, 2026	Theory of Failure-1	7 PM - 8.30 PM		Wednesday, June 24, 2026	Metal Forming-5	3 PM - 4.30 PM
Wednesday, July 8, 2026	Theory of Failure-2	7 PM - 8.30 PM		Thursday, June 25, 2026	Metrology-1	3 PM - 4.30 PM
Thursday, July 9, 2026	Springs	7 PM - 8.30 PM		Friday, June 26, 2026	Metrology-2	3 PM - 4.30 PM
Rahul Sir : Fluid mechanics				Monday, June 29, 2026	Concept of MMT-1	3 PM - 4.30 PM
				Tuesday, June 30, 2026	Concept of MMT-2	3 PM - 4.30 PM
				Wednesday, July 1, 2026	Concept of MMT-3	3 PM - 4.30 PM
Date	**Title**	**Timing**		Thursday, July 2, 2026	Concept of MMT-4	3 PM - 4.30 PM
Friday, July 10, 2026	Introduction	7 PM - 8.30 PM		Friday, July 3, 2026	Concept of MMT-5	3 PM - 4.30 PM
Monday, July 13, 2026	Fluid Properties - Part 1	7 PM - 8.30 PM		Monday, July 6, 2026	Unconventional Machining-1	3 PM - 4.30 PM

Tuesday, July 14, 2026	Fluid Properties - Part 2	7 PM - 8.30 PM		Tuesday, July 7, 2026	Unconventional Machining-2	3 PM - 4.30 PM
Wednesday, July 15, 2026	Newton's Law of Viscosity	7 PM - 8.30 PM		Wednesday, July 8, 2026	Jigs & Fixtures	3 PM - 4.30 PM
Thursday, July 16, 2026	Fluid Classification	7 PM - 8.30 PM		Thursday, July 9, 2026	Metal Cutting-1	3 PM - 4.30 PM
Friday, July 17, 2026	MCQ Practice (Basics)	7 PM - 8.30 PM		Friday, July 10, 2026	Metal Cutting-2	3 PM - 4.30 PM
Monday, July 20, 2026	Surface Tension & Capillarity - 1	7 PM - 8.30 PM		Monday, July 13, 2026	Metal Cutting-3	3 PM - 4.30 PM
Tuesday, July 21, 2026	Surface Tension & Capillarity - 2	7 PM - 8.30 PM		Tuesday, July 14, 2026	Concept of MMT-1	3 PM - 4.30 PM
Wednesday, July 22, 2026	Pressure Measurement - Basics	7 PM - 8.30 PM		Wednesday, July 15, 2026	Concept of MMT-2	3 PM - 4.30 PM
Thursday, July 23, 2026	Pressure Laws	7 PM - 8.30 PM		**Rahul Sir : Material Science**		
Friday, July 24, 2026	Pressure Measuring Devices	7 PM - 8.30 PM				
Monday, July 27, 2026	Pressure MCQ	7 PM - 8.30 PM		**Date**	**Title**	**Timing**
Tuesday, July 28, 2026	Buoyancy & Floatation - 1	7 PM - 8.30 PM		Thursday, July 16, 2026	Introduction-1	3 PM - 4.30 PM
Wednesday, July 29, 2026	Buoyancy & Floatation - 2	7 PM - 8.30 PM		Friday, July 17, 2026	Crystalline Materials-1	3 PM - 4.30 PM
Thursday, July 30, 2026	Buoyancy & Floatation - 3	7 PM - 8.30 PM		Monday, July 20, 2026	Crystalline Materials-2	3 PM - 4.30 PM
Friday, July 31, 2026	Hydrostatic Forces - Plane Surface	7 PM - 8.30 PM		Tuesday, July 21, 2026	Steel-1	3 PM - 4.30 PM
Monday, August 3, 2026	Hydrostatic Forces - Curved Surface	7 PM - 8.30 PM		Wednesday, July 22, 2026	Heat treatment of steel-1	3 PM - 4.30 PM
Tuesday, August 4, 2026	Kinematics Intro + Types + Continuity	7 PM - 8.30 PM		Thursday, July 23, 2026	Cast Iron	3 PM - 4.30 PM
Wednesday, August 5, 2026	Velocity Potential & Stream Function - 1	7 PM - 8.30 PM		**Rahul Sir : Thermodynamics**		
Thursday, August 6, 2026	Velocity Potential & Stream Function - 2	7 PM - 8.30 PM				
Friday, August 7, 2026	Velocity Potential & Stream Function - 3	7 PM - 8.30 PM		**Date**	**Title**	**Timing**
Monday, August 10, 2026	Fluid Dynamics Intro + Bernoulli	7 PM - 8.30 PM		Monday, July 27, 2026	Basic Introduction (System, Surroundings, Properties)	3 PM - 4.30 PM
Tuesday, August 11, 2026	Bernoulli Applications	7 PM - 8.30 PM		Tuesday, July 28, 2026	Properties & Types of System	3 PM - 4.30 PM
Wednesday, August 12, 2026	Orifice Meter & Pitot Tube	7 PM - 8.30 PM		Wednesday, July 29, 2026	First Law of Thermodynamics - Part 1	3 PM - 4.30 PM
Thursday, August 13, 2026	Laminar Flow - 1	7 PM - 8.30 PM		Thursday, July 30, 2026	First Law of Thermodynamics - Part 2	3 PM - 4.30 PM
Friday, August 14, 2026	Laminar Flow - 2	7 PM - 8.30 PM		Friday, July 31, 2026	First Law of Thermodynamics - Part 3	3 PM - 4.30 PM
Monday, August 17, 2026	Laminar Flow - 3	7 PM - 8.30 PM		Monday, August 3, 2026	First Law MCQ	3 PM - 4.30 PM
Tuesday, August 18, 2026	Laminar vs Turbulent - 1	7 PM - 8.30 PM		Tuesday, August 4, 2026	Steady Flow Energy Equation (SFEE) - Part 1	3 PM - 4.30 PM
Wednesday, August 19, 2026	Laminar vs Turbulent - 2	7 PM - 8.30 PM		Wednesday, August 5, 2026	Steady Flow Energy Equation (SFEE) - Part 2	3 PM - 4.30 PM
Thursday, August 20, 2026	Laminar vs Turbulent - 3	7 PM - 8.30 PM		Thursday, August 6, 2026	Second Law Introduction	3 PM - 4.30 PM
Friday, August 21, 2026	Boundary Layer Theory	7 PM - 8.30 PM		Friday, August 7, 2026	Kelvin Planck & Clausius Statements	3 PM - 4.30 PM
Monday, August 24, 2026	Vortex Flow (Free & Forced)	7 PM - 8.30 PM		Monday, August 10, 2026	Heat Engine / Refrigerator / Heat Pump (COP, Efficiency)	3 PM - 4.30 PM
Tuesday, August 25, 2026	Flow Through Pipes - 1	7 PM - 8.30 PM		Tuesday, August 11, 2026	Numericals (Second Law)	3 PM - 4.30 PM

Wednesday, August 26, 2026	Flow Through Pipes - 2	7 PM - 8.30 PM		Wednesday, August 12, 2026	Clausius Inequality & Entropy Intro	3 PM - 4.30 PM
Thursday, August 27, 2026	Flow Through Pipes - 3	7 PM - 8.30 PM		Thursday, August 13, 2026	Entropy Derivation - Part 1	3 PM - 4.30 PM
Friday, August 28, 2026	Dimensional Analysis & Modelling	7 PM - 8.30 PM		Friday, August 14, 2026	Entropy Derivation - Part 2	3 PM - 4.30 PM
Monday, August 31, 2026	OCF - 1	7 PM - 8.30 PM		Monday, August 17, 2026	Revision - Thermodynamics	3 PM - 4.30 PM
Tuesday, September 1, 2026	OCF - 2	7 PM - 8.30 PM		Tuesday, August 18, 2026	Revision - Thermodynamics	3 PM - 4.30 PM
Wednesday, September 2, 2026	OCF - 3	7 PM - 8.30 PM		Wednesday, August 19, 2026	Properties of Pure Substance - Part 1	3 PM - 4.30 PM
Thursday, September 3, 2026	Impact of Jets - 1	7 PM - 8.30 PM		Thursday, August 20, 2026	Properties of Pure Substance - Part 2	3 PM - 4.30 PM
Friday, September 4, 2026	Impact of Jets - 2	7 PM - 8.30 PM		**Rahul Sir : Power Plant Engineering**		
Monday, September 7, 2026	Hydraulic Turbine Intro & Classification - 1	7 PM - 8.30 PM				
Tuesday, September 8, 2026	Hydraulic Turbine Intro & Classification - 2	7 PM - 8.30 PM		**Date**	**Title**	**Timing**
Wednesday, September 9, 2026	Types of Turbines - 1	7 PM - 8.30 PM		Friday, August 21, 2026	Basic Introduction	3 PM - 4.30 PM
Thursday, September 10, 2026	Types of Turbines - 2	7 PM - 8.30 PM		Monday, August 24, 2026	Types of Coal & Fuels	3 PM - 4.30 PM
Friday, September 11, 2026	Modeling & Similitude MCQ	7 PM - 8.30 PM		Tuesday, August 25, 2026	Coal Detailed Study	3 PM - 4.30 PM
Monday, September 14, 2026	Pumps - 1	7 PM - 8.30 PM		Wednesday, August 26, 2026	Steam Power Plant (Thermal) - Analysis-1	3 PM - 4.30 PM
Tuesday, September 15, 2026	Pumps - 2	7 PM - 8.30 PM		Thursday, August 27, 2026	Steam Power Plant (Thermal) - Analysis-2	3 PM - 4.30 PM
Wednesday, September 16, 2026	Pumps - 3	7 PM - 8.30 PM		Friday, August 28, 2026	Steam Power Plant (Thermal) - Analysis-3	3 PM - 4.30 PM
Rahul Sir : Engineering Mechanics				Monday, August 31, 2026	Rankine Cycle-1	3 PM - 4.30 PM
Date	**Title**	**Timing**		Tuesday, September 1, 2026	Rankine Cycle-2	3 PM - 4.30 PM
	Basic of forces-1	Recording-1		Wednesday, September 2, 2026	Boilers-1	3 PM - 4.30 PM
	Basic of forces-2	Recording-2		Thursday, September 3, 2026	Boilers-2	3 PM - 4.30 PM
	Basic of forces-3	Recording-3		Friday, September 4, 2026	Boilers-3	3 PM - 4.30 PM
	Basic of forces-4	Recording-4		Monday, September 7, 2026	Steam Turbine	3 PM - 4.30 PM
	Basic of forces-5	Recording-5		Tuesday, September 8, 2026	Nozzle & Compressor-1	3 PM - 4.30 PM
	Types of beam-1	Recording-6		Wednesday, September 9, 2026	Nozzle & Compressor-2	3 PM - 4.30 PM
	Types of beam-2	Recording-7		Thursday, September 10, 2026	Nozzle & Compressor-3	3 PM - 4.30 PM
	Concepts of friction-1	Recording-8		Friday, September 11, 2026	Miscellaneous Numericals-1	3 PM - 4.30 PM
	Concepts of friction -2	Recording-9		Monday, September 14, 2026	Miscellaneous Numericals-2	3 PM - 4.30 PM
	Concepts of friction -3	Recording-10		**Rahul Sir : Theory of Machines**		
	Moment of Inertia-1	Recording-11				
	Moment of Inertia-2	Recording-12				
	Moment of Inertia-3	Recording-13		**Date**	**Title**	**Timing**
	Conservation of momentum and energy-1	Recording-14			Basic Introduction	Recording-1

	Conservation of momentum and energy-2	Recording-15			Kinematic Pair & Classification-1	Recording-2
Rahul Sir : Industrial Engineering					Kinematic Pair & Classification-2	Recording-3
					Degree of Freedom (DOF)	Recording-4
					DOF Numericals-1	Recording-5
Date	**Title**	**Timing**			DOF Numericals-2	Recording-6
	Introduction & BEA-1	Recording-1			Grashof's Law	Recording-7
	Introduction & BEA-2	Recording-2			Inversions (Four Bar & Slider)-1	Recording-8
	Inventory-1	Recording-3			Inversions (Four Bar & Slider)-2	Recording-9
	Inventory-2	Recording-4			Instantaneous Center	Recording-10
	Inventory-3	Recording-5			Flywheel-1	Recording-11
	Inventory-4	Recording-6			Flywheel-2	Recording-12
	Sequencing-1	Recording-7			Governor Intro	Recording-13
	Sequencing-2	Recording-8			Governor Classification	Recording-14
	Sequencing-3	Recording-9			Governor Performance	Recording-15
	PERT & CPM-1	Recording-10			Gears Intro & Classification-1	Recording-16
	PERT & CPM-2	Recording-11			Gears Intro & Classification-2	Recording-17
	PERT & CPM-3	Recording-12			Gear Terminology	Recording-18
	PERT & CPM-4	Recording-13			Gear Analysis	Recording-19
	PERT & CPM-5	Recording-14			Gear Interference	Recording-20
	PERT & CPM-6	Recording-15			Balancing-1	Recording-21
	Forecasting-1	Recording-16			Balancing-2	Recording-22
	Forecasting-2	Recording-17			Vibrations-1	Recording-23
	Forecasting-3	Recording-18			Vibrations-2	Recording-24
	Forecasting-4	Recording-19			Vibrations-3	Recording-25
	Queing Theory-1	Recording-20			Cam & Follower-1	Recording-26
	Queing Theory-2	Recording-21			Cam & Follower-2	Recording-27
	Linear programming-1	Recording-22		**Rahul Sir : Heat & Mass Transfer**		
	Linear programming-2	Recording-23				
	Linear programming-3	Recording-24		**Date**	**Title**	**Timing**
	Transportation-1	Recording-25			Basic Introduction (Heat Transfer)	Recording-1
	Transportation-2	Recording-26			Conduction-1	Recording-2
	Assignment-1	Recording-27			Conduction-2	Recording-3

	Assignment-2	Recording-28			Conduction-3	Recording-4
	MRP-1	Recording-29			Fins	Recording-5
	MRP-2	Recording-30			Convection-1	Recording-6
Rahul Sir : Machine Design					Convection-2	Recording-7
					Convection-3	Recording-8
Date	**Title**	**Timing**			Radiation-1	Recording-9
	Basic Introduction	Recording-1			Radiation-2	Recording-10
	Design against Static Loading	Recording-2			Radiation-3	Recording-11
	Design against Fluctuating Loading-1	Recording-3				
	Design against Fluctuating Loading-2	Recording-4				
	Bolted Joints-1	Recording-5				
	Bolted Joints-2	Recording-6				
	Riveted Joints-1	Recording-7				
	Riveted Joints-2	Recording-8				
	Belt Drive-1	Recording-9				
	Belt Drive-2	Recording-10				
	Belt Drive-3	Recording-11				
	Clutches-1	Recording-12				
	Clutches-2	Recording-13				
	Brakes-1	Recording-14				
	Brakes-2	Recording-15				
	Bearings-1	Recording-16				
	Bearings-2	Recording-17				
	Bearings-3	Recording-18				
	Design of Gears	Recording-19				
	Miscellaneous-1	Recording-20				
	Miscellaneous-2	Recording-21				