Study Plan

Aashish Sir : Theory of Machines		
Date	**Title**	**Timing**
Friday, December 4, 2026	Basic Introduction	1PM - 2PM
Monday, December 7, 2026	Kinematic Pair & Classification-1	1PM - 2PM
Tuesday, December 8, 2026	Kinematic Pair & Classification-2	1PM - 2PM
Wednesday, December 9, 2026	Degree of Freedom (DOF)	1PM - 2PM
Thursday, December 10, 2026	DOF Numericals-1	1PM - 2PM
Friday, December 11, 2026	DOF Numericals-2	1PM - 2PM
Monday, December 14, 2026	Grashof's Law	1PM - 2PM
Tuesday, December 15, 2026	Inversions (Four Bar & Slider)-1	1PM - 2PM
Wednesday, December 16, 2026	Inversions (Four Bar & Slider)-2	1PM - 2PM
Thursday, December 17, 2026	Instantaneous Center	1PM - 2PM
Friday, December 18, 2026	Flywheel-1	1PM - 2PM
Monday, December 21, 2026	Flywheel-2	1PM - 2PM
Tuesday, December 22, 2026	Governor Intro	1PM - 2PM
Wednesday, December 23, 2026	Governor Classification	1PM - 2PM
Thursday, December 24, 2026	Governor Performance	1PM - 2PM
Monday, December 28, 2026	Gears Intro & Classification-1	1PM - 2PM
Tuesday, December 29, 2026	Gears Intro & Classification-2	1PM - 2PM
Wednesday, December 30, 2026	Gear Terminology	1PM - 2PM
Thursday, December 31, 2026	Gear Analysis	1PM - 2PM
Monday, January 4, 2027	Gear Interference	1PM - 2PM
Tuesday, January 5, 2027	Balancing-1	1PM - 2PM
Wednesday, January 6, 2027	Balancing-2	1PM - 2PM
Thursday, January 7, 2027	Vibrations-1	1PM - 2PM
Friday, January 8, 2027	Vibrations-2	1PM - 2PM
Monday, January 11, 2027	Vibrations-3	1PM - 2PM
Tuesday, January 12, 2027	Cam & Follower-1	1PM - 2PM
Wednesday, January 13, 2027	Cam & Follower-2	1PM - 2PM

Aashish Sir : Material Science		
Date	**Title**	**Timing**
Thursday, January 14, 2027	Introduction-1	1PM - 2PM
Friday, January 15, 2027	Crystalline Materials-1	1PM - 2PM
Monday, January 18, 2027	Crystalline Materials-2	1PM - 2PM
Tuesday, January 19, 2027	Steel-1	1PM - 2PM

Aashish Sir : Thermodynamics		
Date	**Title**	**Timing**
Friday, December 4, 2026	Basics Concept-1	2PM-3PM
Monday, December 7, 2026	Basics Concept-2	2PM-3PM
Tuesday, December 8, 2026	Heat and work-1	2PM-3PM
Wednesday, December 9, 2026	Heat and work-2	2PM-3PM
Thursday, December 10, 2026		2PM-3PM
Friday, December 11, 2026	First law of thermodynamics-1	2PM-3PM
Monday, December 14, 2026	First law of thermodynamics-2	2PM-3PM
Tuesday, December 15, 2026	First law of thermodynamics-3	2PM-3PM
Wednesday, December 16, 2026	First law of thermodynamics-4	2PM-3PM
Thursday, December 17, 2026	First law of thermodynamics-5	2PM-3PM
Friday, December 18, 2026	Second law of thermodynamics-1	2PM-3PM
Monday, December 21, 2026	Second law of thermodynamics-2	2PM-3PM
Tuesday, December 22, 2026	Entropy part-1	2PM-3PM
Wednesday, December 23, 2026	Entropy part-2	2PM-3PM
Thursday, December 24, 2026	Entropy part-3	2PM-3PM
Monday, December 28, 2026	Entropy part-4	2PM-3PM
Tuesday, December 29, 2026	Properties of pure substance part 1	2PM-3PM
Wednesday, December 30, 2026	Properties of pure substance part 2	2PM-3PM
Thursday, December 31, 2026	Properties of pure substance part 3	2PM-3PM
Monday, January 4, 2027	Properties of pure substance part 4	2PM-3PM

Rakesh Sir : IC Engine		
Date	**Title**	**Timing**
Tuesday, January 5, 2027	Basic Introduction & Terminology	2PM-3PM
Wednesday, January 6, 2027	Air Standard Cycle + Otto Cycle Intro	2PM-3PM
Thursday, January 7, 2027	Otto Cycle Detailed	2PM-3PM
Friday, January 8, 2027	Diesel Cycle	2PM-3PM
Monday, January 11, 2027	Dual Cycle + Numericals	2PM-3PM
Tuesday, January 12, 2027	Efficiency Comparison of Cycles-1	2PM-3PM
Wednesday, January 13, 2027	Efficiency Comparison of Cycles-2	2PM-3PM
Thursday, January 14, 2027	Performance Analysis-1	2PM-3PM
Friday, January 15, 2027	Performance Analysis-1	2PM-3PM
Monday, January 18, 2027	SI Engine Combustion-1	2PM-3PM
Tuesday, January 19, 2027	SI Engine Combustion-2	2PM-3PM

Rahul Sir : Power Plant Engineering		
Date	**Title**	**Timing**
Friday, December 4, 2026	Boiler Classification, Fittings & Accessories part 1	3PM-4PM
Monday, December 7, 2026	Rankine Cycle part 1	3PM-4PM
Tuesday, December 8, 2026	Rankine Cycle part 2	3PM-4PM
Wednesday, December 9, 2026	Brayton Cycle part 1	3PM-4PM
Thursday, December 10, 2026	Brayton Cycle part 2	3PM-4PM
Friday, December 11, 2026	Air Compressors & their cycles part 1	3PM-4PM
Monday, December 14, 2026	Air Compressors & their cycles part 2	3PM-4PM
Tuesday, December 15, 2026	Air Compressors & their cycles part 3	3PM-4PM
Wednesday, December 16, 2026	Air Compressors & their cycles part 4	3PM-4PM
Thursday, December 17, 2026	Steam Turbines & Nozzles part 1	3PM-4PM
Friday, December 18, 2026	Steam Turbines & Nozzles part 2	3PM-4PM
Monday, December 21, 2026	Steam Turbines & Nozzles part 3	3PM-4PM
Tuesday, December 22, 2026	Steam Turbines & Nozzles part 4	3PM-4PM
Wednesday, December 23, 2026	Steam Turbines & Nozzles part 5	3PM-4PM
Thursday, December 24, 2026	Steam Turbines & Nozzles part 6	3PM-4PM

Rahul Sir : Hydraulic Machine		
Date	**Title**	**Timing**
Monday, December 28, 2026	Impact of Jet-1	3PM-4PM
Tuesday, December 29, 2026	Impact of Jet-2	3PM-4PM
Wednesday, December 30, 2026	Hydraulic Turbines – Basic Introduction & Classification	3PM-4PM
Thursday, December 31, 2026	Classification of Hydraulic Turbines – Detailed Study	3PM-4PM
Monday, January 4, 2027	Pelton Wheel & Francis Turbine	3PM-4PM
Tuesday, January 5, 2027	Francis Turbine & Kaplan Turbine	3PM-4PM
Wednesday, January 6, 2027	Hydraulic Turbines – Miscellaneous Topics	3PM-4PM
Thursday, January 7, 2027	Pumps – Basic Introduction	3PM-4PM
Friday, January 8, 2027	Pumps – Working Principle & Miscellaneous	3PM-4PM
Monday, January 11, 2027	Hydraulic Machines – Miscellaneous Topics	3PM-4PM
END OF SUBJECT		

Wednesday, January 20, 2027	Heat treatment of steel-1	1PM - 2PM		Wednesday, January 20, 2027	CI Engine Combustion-1	2PM-3PM				
Thursday, January 21, 2027	Cast Iron	1PM - 2PM		Thursday, January 21, 2027	CI Engine Combustion-2	2PM-3PM				
END OF SUBJECT				Friday, January 22, 2027	Carburetor	2PM-3PM				
				Monday, January 25, 2027	Fuel Quality & A/F Ratio	2PM-3PM				
				Tuesday, January 26, 2027	Octane & Cetane Number	2PM-3PM				
				Wednesday, January 27, 2027	Cooling System	2PM-3PM				
				Thursday, January 28, 2027	Lubrication System	2PM-3PM				
				END OF SUBJECT						

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