

STUDY PLAN

Rakesh Sir : Theory of machines			Rahul Sir : Engineering mechanics		
Date	Title	Timing	Date	Title	Timing
Monday, August 10, 2026	Basic Introduction	5 PM - 6.30 PM	Monday, August 10, 2026	Basic of forces-1	4PM-5PM
Tuesday, August 11, 2026	Kinematic Pair & Classification-1	5 PM - 6.30 PM	Tuesday, August 11, 2026	Basic of forces-2	4PM-5PM
Wednesday, August 12, 2026	Kinematic Pair & Classification-2	5 PM - 6.30 PM	Wednesday, August 12, 2026	Basic of forces-3	4PM-5PM
Thursday, August 13, 2026	Degree of Freedom (DOF)	5 PM - 6.30 PM	Thursday, August 13, 2026	Basic of forces-4	4PM-5PM
Friday, August 14, 2026	DOF Numericals-1	5 PM - 6.30 PM	Friday, August 14, 2026	Basic of forces-5	4PM-5PM
Monday, August 17, 2026	DOF Numericals-2	5 PM - 6.30 PM	Monday, August 17, 2026	Types of beam-1	4PM-5PM
Tuesday, August 18, 2026	Grashof's Law	5 PM - 6.30 PM	Tuesday, August 18, 2026	Types of beam-2	4PM-5PM
Wednesday, August 19, 2026	Inversions (Four Bar & Slider)-1	5 PM - 6.30 PM	Wednesday, August 19, 2026	Concepts of friction-1	4PM-5PM
Thursday, August 20, 2026	Inversions (Four Bar & Slider)-2	5 PM - 6.30 PM	Thursday, August 20, 2026	Concepts of friction -2	4PM-5PM
Friday, August 21, 2026	Instantaneous Center	5 PM - 6.30 PM	Friday, August 21, 2026	Concepts of friction -3	4PM-5PM
Monday, August 24, 2026	Flywheel-1	5 PM - 6.30 PM	Monday, August 24, 2026	Moment of Inertia-1	4PM-5PM
Tuesday, August 25, 2026	Flywheel-2	5 PM - 6.30 PM	Tuesday, August 25, 2026	Moment of Inertia-2	4PM-5PM
Wednesday, August 26, 2026	Governor Intro	5 PM - 6.30 PM	Wednesday, August 26, 2026	Moment of Inertia-3	4PM-5PM
Thursday, August 27, 2026	Governor Classification	5 PM - 6.30 PM	Thursday, August 27, 2026	Conservation of momentum and energy-1	4PM-5PM
Friday, August 28, 2026	Governor Performance	5 PM - 6.30 PM	Friday, August 28, 2026	Conservation of momentum and energy-2	4PM-5PM
Monday, August 31, 2026	Gears Intro & Classification-1	5 PM - 6.30 PM	Rahul Sir : Hydraulic Machines		
Tuesday, September 1, 2026	Gears Intro & Classification-2	5 PM - 6.30 PM			
Wednesday, September 2, 2026	Gear Terminology	5 PM - 6.30 PM	Date	Title	Timing
Thursday, September 3, 2026	Gear Analysis	5 PM - 6.30 PM	Monday, August 31, 2026	Impact of jet	4 PM - 5.00 PM

Friday, September 4, 2026	Gear Interference	5 PM - 6.30 PM	Tuesday, September 1, 2026	Turbine basic , classification	4 PM - 5.00 PM
Monday, September 7, 2026	Balancing-1	5 PM - 6.30 PM	Wednesday, September 2, 2026	Pelton wheel , francis , kaplan turbine	4 PM - 5.00 PM
Tuesday, September 8, 2026	Balancing-2	5 PM - 6.30 PM	Thursday, September 3, 2026	Pump-1	4 PM - 5.00 PM
Wednesday, September 9, 2026	Vibrations-1	5 PM - 6.30 PM	Friday, September 4, 2026	Pump-2	4 PM - 5.00 PM
Thursday, September 10, 2026	Vibrations-2	5 PM - 6.30 PM	Monday, September 7, 2026	Live doubt and miscellaneous-1	4 PM - 5.00 PM
Friday, September 11, 2026	Vibrations-3	5 PM - 6.30 PM	Tuesday, September 8, 2026	Live doubt and miscellaneous-2	4 PM - 5.00 PM
Monday, September 14, 2026	Cam & Follower-1	5 PM - 6.30 PM	Wednesday, September 9, 2026	Live doubt and miscellaneous-3	4 PM - 5.00 PM
Tuesday, September 15, 2026	Cam & Follower-2	5 PM - 6.30 PM	Rahul Sir : Power Plant Engineering		
Rakesh Sir : IC Engine			Date	Title	Timing
Date	Title	Timing	Thursday, September 10, 2026	Basic Introduction	3 PM - 4.00 PM
Wednesday, September 16, 2026	Basic Introduction & Terminology	5 PM - 6.30 PM	Friday, September 11, 2026	Types of Coal & Fuels	3 PM - 4.00 PM
Thursday, September 17, 2026	Air Standard Cycle + Otto Cycle Intro	5 PM - 6.30 PM	Monday, September 14, 2026	Coal Detailed Study	3 PM - 4.00 PM
Friday, September 18, 2026	Otto Cycle Detailed	5 PM - 6.30 PM	Tuesday, September 15, 2026	Steam Power Plant (Thermal) - Analysis-1	3 PM - 4.00 PM
Monday, September 21, 2026	Diesel Cycle	5 PM - 6.30 PM	Wednesday, September 16, 2026	Steam Power Plant (Thermal) - Analysis-2	3 PM - 4.00 PM
Tuesday, September 22, 2026	Dual Cycle + Numericals	5 PM - 6.30 PM	Thursday, September 17, 2026	Steam Power Plant (Thermal) - Analysis-3	3 PM - 4.00 PM
Wednesday, September 23, 2026	Efficiency Comparison of Cycles-1	5 PM - 6.30 PM	Friday, September 18, 2026	Rankine Cycle-1	3 PM - 4.00 PM
Thursday, September 24, 2026	Efficiency Comparison of Cycles-2	5 PM - 6.30 PM	Monday, September 21, 2026	Rankine Cycle-2	3 PM - 4.00 PM
Friday, September 25, 2026	Performance Analysis-1	5 PM - 6.30 PM	Tuesday, September 22, 2026	Boilers-1	3 PM - 4.00 PM
Monday, September 28, 2026	Performance Analysis-1	5 PM - 6.30 PM	Wednesday, September 23, 2026	Boilers-2	3 PM - 4.00 PM
Tuesday, September 29, 2026	SI Engine Combustion-1	5 PM - 6.30 PM	Thursday, September 24, 2026	Boilers-3	3 PM - 4.00 PM
Wednesday, September 30, 2026	SI Engine Combustion-2	5 PM - 6.30 PM	Friday, September 25, 2026	Steam Turbine	3 PM - 4.00 PM
Thursday, October 1, 2026	CI Engine Combustion-1	5 PM - 6.30 PM	Monday, September 28, 2026	Nozzle & Compressor-1	3 PM - 4.00 PM
Friday, October 2, 2026	CI Engine Combustion-2	5 PM - 6.30 PM	Tuesday, September 29, 2026	Nozzle & Compressor-2	3 PM - 4.00 PM

Monday, October 5, 2026	Carburetor	5 PM - 6.30 PM	Wednesday, September 30, 2026	Nozzle & Compressor-3	3 PM - 4.00 PM
Tuesday, October 6, 2026	Fuel Quality & A/F Ratio	5 PM - 6.30 PM	Thursday, October 1, 2026	Miscellaneous Numericals-1	3 PM - 4.00 PM
Wednesday, October 7, 2026	Octane & Cetane Number	5 PM - 6.30 PM	Monday, October 5, 2026	Miscellaneous Numericals-2	3 PM - 4.00 PM
Thursday, October 8, 2026	Cooling System	5 PM - 6.30 PM			
Friday, October 9, 2026	Lubrication System	5 PM - 6.30 PM			

Rakesh Sir : Machine Design			Rahul Sir : Strength of materials		
Date	Title	Timing			
Tuesday, September 8, 2026	Basic Introduction	3 PM - 4.00 PM			
Wednesday, September 9, 2026	Design against Static Loading	3 PM - 4.00 PM	Date	Title	Timing
Thursday, September 10, 2026	Design against Fluctuating Loading-1	3 PM - 4.00 PM	Monday, October 5, 2026	Bending in Beam-1	7PM-8.30PM
Friday, September 11, 2026	Design against Fluctuating Loading-2	3 PM - 4.00 PM	Tuesday, October 6, 2026	Bending in Beam-2	7PM-8.30PM
Monday, September 14, 2026	Bolted Joints-1	3 PM - 4.00 PM	Wednesday, October 7, 2026	Bending in Beam-3	7PM-8.30PM
Tuesday, September 15, 2026	Bolted Joints-2	3 PM - 4.00 PM	Thursday, October 8, 2026	Torsion in Shaft-1	7PM-8.30PM
Wednesday, September 16, 2026	Riveted Joints-1	3 PM - 4.00 PM	Friday, October 9, 2026	Torsion in Shaft-2	7PM-8.30PM
Thursday, September 17, 2026	Riveted Joints-2	3 PM - 4.00 PM	Monday, October 12, 2026	Combined Stresses-1	7PM-8.30PM
Friday, September 18, 2026	Belt Drive-1	3 PM - 4.00 PM	Tuesday, October 13, 2026	Combined Stresses-2	7PM-8.30PM
Monday, September 21, 2026	Belt Drive-2	3 PM - 4.00 PM	Wednesday, October 14, 2026	Combined Stresses-3	7PM-8.30PM
Tuesday, September 22, 2026	Belt Drive-3	3 PM - 4.00 PM	Thursday, October 15, 2026	Mohr Circle-1	7PM-8.30PM
Wednesday, September 23, 2026	Clutches-1	3 PM - 4.00 PM	Friday, October 16, 2026	Mohr Circle-2	7PM-8.30PM
Thursday, September 24, 2026	Clutches-2	3 PM - 4.00 PM	Monday, October 19, 2026	SFD & BMD-1	7PM-8.30PM
Friday, September 25, 2026	Brakes-1	3 PM - 4.00 PM	Tuesday, October 20, 2026	SFD & BMD-2	7PM-8.30PM
Monday, September 28, 2026	Brakes-2	3 PM - 4.00 PM	Wednesday, October 21, 2026	SFD & BMD-3	7PM-8.30PM

Tuesday, September 29, 2026	Bearings-1	3 PM - 4.00 PM	Thursday, October 22, 2026	SFD & BMD-4	7PM-8.30PM
Wednesday, September 30, 2026	Bearings-2	3 PM - 4.00 PM	Friday, October 23, 2026	Slope & Deflection-1	7PM-8.30PM
Thursday, October 1, 2026	Bearings-3	3 PM - 4.00 PM	Monday, October 26, 2026	Slope & Deflection-2	7PM-8.30PM
Monday, October 5, 2026	Design of Gears	3 PM - 4.00 PM	Tuesday, October 27, 2026	Columns & Struts	7PM-8.30PM
Tuesday, October 6, 2026	Miscellaneous-1	3 PM - 4.00 PM	Wednesday, October 28, 2026	Thin & Thick Cylinder	7PM-8.30PM
Wednesday, October 7, 2026	Miscellaneous-2	3 PM - 4.00 PM	Thursday, October 29, 2026	Theory of Failure-1	7PM-8.30PM
Rakesh Sir : Material Science			Friday, October 30, 2026	Theory of Failure-2	7PM-8.30PM
Date	Title	Timing	Monday, November 2, 2026	Springs	7PM-8.30PM
Thursday, October 8, 2026	Introduction-1	3 PM - 4.00 PM	Tuesday, November 3, 2026	Basic Introduction	7PM-8.30PM
Friday, October 9, 2026	Crystalline Materials-1	3 PM - 4.00 PM	Wednesday, November 4, 2026	Types of Loads & Classification-1	7PM-8.30PM
Monday, October 12, 2026	Crystalline Materials-2	3 PM - 4.00 PM	Thursday, November 5, 2026	Types of Loads & Classification-2	7PM-8.30PM
Tuesday, October 13, 2026	Steel-1	3 PM - 4.00 PM	Friday, November 6, 2026	Stress & Strain (Basics)-1	7PM-8.30PM
Wednesday, October 14, 2026	Heat treatment of steel-1	3 PM - 4.00 PM	Monday, November 9, 2026	Stress & Strain (Basics)-2	7PM-8.30PM
Thursday, October 15, 2026	Cast Iron	3 PM - 4.00 PM	Tuesday, November 10, 2026	Stress & Strain (Basics)-3	7PM-8.30PM
			Wednesday, November 11, 2026	Stress-Strain Curve	7PM-8.30PM
			Thursday, November 12, 2026	Failure under Different Loading	7PM-8.30PM
			Friday, November 13, 2026	Elastic Constants	7PM-8.30PM
			Monday, November 16, 2026	Deformation (Series & Parallel)-1	7PM-8.30PM
			Tuesday, November 17, 2026	Deformation (Series & Parallel)-2	7PM-8.30PM
			Wednesday, November 18, 2026	Strain Energy due to Self Weight	7PM-8.30PM
			Thursday, November 19, 2026	Strain Energy-1	7PM-8.30PM
			Friday, November 20, 2026	Strain Energy-2	7PM-8.30PM
			Monday, November 23, 2026	Moment of Inertia-1	7PM-8.30PM

			Tuesday, November 24, 2026	Moment of Inertia-2	7PM-8.30PM
			Wednesday, November 25, 2026	Thermal Stress-1	7PM-8.30PM
			Thursday, November 26, 2026	Thermal Stress-2	7PM-8.30PM
			Friday, November 27, 2026	Beams (CRM)-1	7PM-8.30PM
			Monday, November 30, 2026	Beams (CRM)-2	7PM-8.30PM
			Tuesday, December 1, 2026	Beams (CRM)-3	7PM-8.30PM

