

STUDY PLAN

Rajat sir : 10 RCC Design					Rahul Sir Hydraulic Machines				Pramod sir : 15 Railway Engineering				
					Date	Title	Timing						
					Recorded	Impact of jet	Recorded						
Date	Chapter	Topic	Timing		Recorded	Turbine basic , classification	Recorded		Date	Chapter	Topic	Timing	
Recorded	Introduction	Concrete-1	Recorded		Recorded	Pelton wheel, francis , kaplan turbine	Recorded		Thursday, November 27, 2025	Basic Principle	Orientation	3:00PM-4:00PM	
Recorded		Concrete-2	Recorded		Recorded	Pump-1	Recorded		Friday, November 28, 2025		Defect in rail	3:00PM-4:00PM	
Recorded	Reinforced Cement Concrete	Concrete mix	Recorded		Recorded	Pump-2	Recorded		Monday, December 1, 2025		Gauge in railway track	3:00PM-4:00PM	
Recorded		Important Test & IS CODE-1	Recorded		Recorded	Live doubt and miscellaneous-1	Recorded		Tuesday, December 2, 2025		Classification of sleeper	3:00PM-4:00PM	
Recorded		Important Test & IS CODE-2	Recorded		Recorded	Live doubt and miscellaneous-2	Recorded		Wednesday, December 3, 2025	Track fastener	3:00PM-4:00PM		
Recorded		IS 456 , Codal provision-1	Recorded		Recorded	Live doubt and miscellaneous-3	Recorded		Thursday, December 4, 2025	Ballast	3:00PM-4:00PM		
Recorded		IS 456 , Codal provision-2	Recorded		Rahul sir : Fluid Mechanics				Friday, December 5, 2025	Track Design	Geometric design 1	3:00PM-4:00PM	
Tuesday, September 9, 2025		IS 456 , Codal provision-3	2:00PM - 3:00 PM						Monday, December 8, 2025		Geometric design 2	3:00PM-4:00PM	
Friday, September 12, 2025			Important Terms, Stress and stain diagram-1	2:00PM - 3:00 PM		Date	Title	Timing			Tuesday, December 9, 2025	Superelevation	3:00PM-4:00PM
Monday, September 15, 2025			Important Terms, Stress and stain diagram-2	2:00PM - 3:00 PM		Monday, September 15, 2025	Basic introduction	7:00PM-7:59PM			Wednesday, December 10, 2025	Transition curve	3:00PM-4:00PM
Tuesday, September 16, 2025	Singly Reinforce Beam-1		2:00PM - 3:00 PM		Tuesday, September 16, 2025	Bulk modulus , Density	7:00PM-7:59PM		Thursday, December 11, 2025	Miscellaneous	Miscellaneous-1	3:00PM-4:00PM	
Wednesday, September 17, 2025	Singly Reinforce Beam-2	2:00PM - 3:00 PM		Wednesday, September 17, 2025	Specific gravity and Specific Weight	7:00PM-7:59PM		Friday, December 12, 2025	Miscellaneous-2		3:00PM-4:00PM		
Thursday, September 18, 2025	Doubly Reinforce Beam	2:00PM - 3:00 PM		Thursday, September 18, 2025	Viscosity	7:00PM-7:59PM		Monday, December 15, 2025	Miscellaneous-3		3:00PM-4:00PM		
Friday, September 19, 2025	Definition, Codal provision	2:00PM - 3:00 PM		Friday, September 19, 2025	Newton law of viscosity	7:00PM-7:59PM		Tuesday, December 16, 2025	Miscellaneous-4		3:00PM-4:00PM		
Monday, September 22, 2025	Beams And Slabs	Slab design-1	2:00PM - 3:00 PM		Monday, September 22, 2025	Fluid classification	7:00PM-7:59PM		Wednesday, December 17, 2025	Doubts	3:00PM-4:00PM		
Tuesday, September 23, 2025		Slab design-2	2:00PM - 3:00 PM		Tuesday, September 23, 2025	Surface tension	7:00PM-7:59PM		Pramod sir : 7 Hydrology				
Wednesday, September 24, 2025	Flange Section	T Beam & L Beam-1	2:00PM - 3:00 PM		Wednesday, September 24, 2025	Capillary	7:00PM-7:59PM		Date	Chapter	Topic	Timing	
Thursday, September 25, 2025		T Beam & L Beam-2	2:00PM - 3:00 PM		Thursday, September 25, 2025	Basic , Types of pressure	7:00PM-7:59PM		Friday, October 31, 2025	Basic principles And introduction	Stage and form of precipitation	5:00PM-5:59PM	
Friday, September 26, 2025	Shear	Shear-1	2:00PM - 3:00 PM		Friday, September 26, 2025	Pascal and hydrostatic law	7:00PM-7:59PM		Monday, November 3, 2025		Index of wetness	5:00PM-5:59PM	
Monday, September 29, 2025		Shear-2	2:00PM - 3:00 PM		Monday, September 29, 2025	Pressure measuring device -1	7:00PM-7:59PM		Tuesday, November 4, 2025	Precipitation	Arithmatic mean methodand thessen polygon method	5:00PM-5:59PM	

Tuesday, September 30, 2025	Bond Anchorage And Development Length	Bond & Development length-1	2:00PM - 3:00 PM	Tuesday, September 30, 2025	Pressure measuring device -2	7:00PM-7:59PM	Wednesday, November 5, 2025	Flood Routing and Flood Control	Estimation of missing data	5:00PM-5:59PM
Wednesday, October 1, 2025		Bond & Development length-2	2:00PM - 3:00 PM	Wednesday, October 1, 2025	Basic concepts , principle of floatation	7:00PM-7:59PM	Thursday, November 6, 2025		Mass curve and hytograph	5:00PM-5:59PM
Thursday, October 2, 2025		Torsion, Equivalent moment & Shear-1	2:00PM - 3:00 PM	Thursday, October 2, 2025	Stability condition of submerged body	7:00PM-7:59PM	Friday, November 7, 2025		Method to determination	5:00PM-5:59PM
Friday, October 3, 2025				Friday, October 3, 2025	Concept of metacentre	7:00PM-7:59PM	Monday, November 10, 2025		Probability method	5:00PM-5:59PM
Monday, October 6, 2025		Torsion, Equivalent moment & Shear-2	2:00PM - 3:00 PM	Monday, October 6, 2025	Stability condition of floating body	7:00PM-7:59PM	Tuesday, November 11, 2025		Infiltration w index and phi index	5:00PM-5:59PM
Tuesday, October 7, 2025	Column	Introduction, Types of column	2:00PM - 3:00 PM	Tuesday, October 7, 2025	Hydro-static forces on plane	7:00PM-7:59PM	Wednesday, November 12, 2025		Hydrograph	5:00PM-5:59PM
Wednesday, October 8, 2025		Concentric column, Axially loaded column-1	2:00PM - 3:00 PM	Wednesday, October 8, 2025	Hydro-static forces on curved surface	7:00PM-7:59PM	Pramod sir : 2 Environmental Engineering			
Thursday, October 9, 2025		Concentric column, Axially loaded column-2	2:00PM - 3:00 PM	Thursday, October 9, 2025	Basic and types of flow	7:00PM-7:59PM				
Friday, October 10, 2025		Codal Provision Related to column-1	2:00PM - 3:00 PM	Friday, October 10, 2025	Stream, path and streak line	7:00PM-7:59PM				
Monday, October 13, 2025		Codal Provision Related to column-2	2:00PM - 3:00 PM	Monday, October 13, 2025	Continuity equation	7:00PM-7:59PM	Date	Chapter	Topic	Timing
Tuesday, October 14, 2025		Column design, Spiral reinforced column-1	2:00PM - 3:00 PM	Tuesday, October 14, 2025	Velocity and stream function	7:00PM-7:59PM	Thursday, September 18, 2025	Population forcasting and Water demand	Water Demand	5:00PM-5:59PM
Wednesday, October 15, 2025		Column design, Spiral reinforced column-2	2:00PM - 3:00 PM	Wednesday, October 15, 2025	Eulers , B.E equation	7:00PM-7:59PM	Friday, September 19, 2025		Population Forecast	5:00PM-5:59PM
END OF SUBJECT				Thursday, October 16, 2025	Application of B.E Equation	7:00PM-7:59PM	Monday, September 22, 2025	Quality of water	Physical Water Quality Parameters	5:00PM-5:59PM
				Friday, October 17, 2025	Basic introduction , shear stress and velcoi	7:00PM-7:59PM	Tuesday, September 23, 2025		Chemical Water Quality Parameters	5:00PM-5:59PM
Rajat sir : CPM PERT				Monday, October 20, 2025	Pressure drop, friction factor	7:00PM-7:59PM	Wednesday, September 24, 2025		Hardness of Water	5:00PM-5:59PM
				Tuesday, October 21, 2025	Turbulent flow	7:00PM-7:59PM	Thursday, September 25, 2025		Nitrogen Content	5:00PM-5:59PM
				Wednesday, October 22, 2025	Major , minor losses	7:00PM-7:59PM	Friday, September 26, 2025	Water Treatment	Screenning, Aeration	5:00PM-5:59PM
Date	Chapter	Topic	Timing	Thursday, October 23, 2025	Concept of equivalent pipe and maximum	7:00PM-7:59PM	Monday, September 29, 2025		Sedimentation-1	5:00PM-5:59PM
Tuesday, October 7, 2025	CPM PERT	CPM PERT-1	2:00PM - 3:00 PM	Friday, October 24, 2025	Boundry layer thory	7:00PM-7:59PM	Tuesday, September 30, 2025		Sedimentation-2	5:00PM-5:59PM
Wednesday, October 8, 2025		CPM PERT-2	2:00PM - 3:00 PM	Monday, October 27, 2025	Free Vortex motion	7:00PM-7:59PM	Wednesday, October 1, 2025		Filteration	5:00PM-5:59PM
Thursday, October 9, 2025		CPM PERT-3	2:00PM - 3:00 PM	Tuesday, October 28, 2025	Forced Vortex motion	7:00PM-7:59PM	Thursday, October 2, 2025		Disinfection	5:00PM-5:59PM
Friday, October 10, 2025		CPM PERT-4	2:00PM - 3:00 PM	Wednesday, October 29, 2025	Similarity , dimenstionless number	7:00PM-7:59PM	Friday, October 3, 2025		Water Softening	5:00PM-5:59PM
Monday, October 13, 2025		CPM PERT-5	2:00PM - 3:00 PM	Rahul Sir Engineering Mechanics			Monday, October 6, 2025	Waste Water	Chemical Waste Water Treatment Plant	5:00PM-5:59PM
Tuesday, October 14, 2025		CPM PERT-6	2:00PM - 3:00 PM				Tuesday, October 7, 2025		BOD, COD	5:00PM-5:59PM
Wednesday, October 15, 2025		CPM PERT-7	2:00PM - 3:00 PM	Date	Title	Timing	Wednesday, October 8, 2025	Disposal of Sewage Effluent	Dilution	5:00PM-5:59PM
Thursday, October 16, 2025		CPM PERT-8	2:00PM - 3:00 PM	Recorded	Basic of forces-1	Recorded	Thursday, October 9, 2025	Design of Sewer	Design of Sewer	5:00PM-5:59PM

Friday, October 17, 2025		CPM PERT-9	2:00PM - 3:00 PM		Recorded	Basic of forces-2	Recorded	Friday, October 10, 2025	Sewage	Grit Chamber	5:00PM-5:59PM	
Saturday, October 18, 2025		CPM PERT-10	2:00PM - 3:00 PM		Recorded	Basic of forces-3	Recorded	Monday, October 13, 2025		Sedimentation	5:00PM-5:59PM	
END OF SUBJECT					Recorded	Basic of forces-4	Recorded	Tuesday, October 14, 2025		Trickling Filter	5:00PM-5:59PM	
Rajat sir : 1 Structural Analysis					Recorded	Basic of forces-5	Recorded	Wednesday, October 15, 2025		Activated Sludge	5:00PM-5:59PM	
					Recorded	Types of beam-1	Recorded	Thursday, October 16, 2025	Solid Waste Management	Disposal of MSW	5:00PM-5:59PM	
					Recorded	Types of beam-2	Recorded	Friday, October 17, 2025		Noise Pollution	5:00PM-5:59PM	
Date	Chapter	Topic	Timing		Recorded	Concepts of friction-1	Recorded	END OF SUBJECT				
Monday, September 15, 2025	Orientation	Orientation	4:00PM-4:59PM		Recorded	Concepts of friction -2	Recorded	Pramod sir : 9 Highway Engineering				
Tuesday, September 16, 2025	Determinant & Indeterminate Structures	Static Indeterminacy Of Structure	4:00PM-4:59PM		Recorded	Concepts of friction -3	Recorded					
Wednesday, September 17, 2025		Kinematic Indeterminacy Of Structure And Stability	4:00PM-4:59PM		Recorded	Moment of Inertia-1	Recorded					
Thursday, September 18, 2025	Methods Of Structural Analysis	Forced Method	4:00PM-4:59PM		Recorded	Moment of Inertia-2	Recorded	Date	Chapter	Topic	Timing	
Friday, September 19, 2025		Slope Deflection Method	4:00PM-4:59PM		Recorded	Moment of Inertia-3	Recorded	Thursday, September 25, 2025	Highway development and planning	Introduction and all plans-1	3:00PM-3:59PM	
Monday, September 22, 2025		Moment Distribution Method	4:00PM-4:59PM		Recorded	Conservation of momentum and energy-1	Recorded	Friday, September 26, 2025		Introduction and all plans-2	3:00PM-3:59PM	
Tuesday, September 23, 2025	Cables And Frames	Cables And Frames, Arches	4:00PM-4:59PM		Recorded	Conservation of momentum and energy-2	Recorded	Saturday, September 27, 2025	Highway Geometric Design	Cross sectional elements-1	3:00PM-3:59PM	
Wednesday, September 24, 2025		Influence Line Diagram And Rolling Loads	4:00PM-4:59PM					Sunday, September 28, 2025		Cross sectional elements-2	3:00PM-3:59PM	
Thursday, September 25, 2025	Trusses	Joint Method	4:00PM-4:59PM				Monday, September 29, 2025	Sight distance-1		3:00PM-3:59PM		
Friday, September 26, 2025		Section Method	4:00PM-4:59PM				Tuesday, September 30, 2025	Sight distance-2		3:00PM-3:59PM		
Rajat sir : 5 Surveying								Wednesday, October 1, 2025		Horizontal alignment-1	3:00PM-3:59PM	
								Thursday, October 2, 2025		Horizontal alignmen-2	3:00PM-3:59PM	
Date	Chapter	Topic	Timing					Friday, October 3, 2025		Traffic Engineering	Vertical alignment-1	3:00PM-3:59PM
Monday, September 22, 2025	Fundamental Concept	Types Of Surveying, Principal Of Survey	4:00PM-4:59PM					Saturday, October 4, 2025				3:00PM-3:59PM
Tuesday, September 23, 2025		Vernier Caliper And Types	4:00PM-4:59PM					Sunday, October 5, 2025			Vertical alignment-2	3:00PM-3:59PM
Wednesday, September 24, 2025	Linear Measurement	Chain Line, Types Of Chain	4:00PM-4:59PM					Monday, October 6, 2025	Traffic characteristics and voulme study-1		3:00PM-3:59PM	
Thursday, September 25, 2025		Tape, Correction In Chain Survey	4:00PM-4:59PM					Tuesday, October 7, 2025	Traffic characteristics and voulme study-2		3:00PM-3:59PM	
Friday, September 26, 2025		Types Of Correction In Chain Survey, Normal Tension	4:00PM-4:59PM					Wednesday, October 8, 2025	Traffic speed and capacity studies-1		3:00PM-3:59PM	
Monday, September 29, 2025	Compass Surveying And Theodolite	Bearing & Measurement Of Bearing	4:00PM-4:59PM					Thursday, October 9, 2025			Traffic speed and capacity studies-2	3:00PM-3:59PM

Tuesday, September 30, 2025		Whole Circle Bearing & Reduce Bearing System	4:00PM-4:59PM					Friday, October 10, 2025		Traffic control devices-1	3:00PM-3:59PM	
Wednesday, October 1, 2025		Fore Bearing & Back Bearing Calculation-1	4:00PM-4:59PM					Monday, October 13, 2025		Traffic control devices-2	3:00PM-3:59PM	
Thursday, October 2, 2025		Fore Bearing & Back Bearing Calculation-2	4:00PM-4:59PM					Tuesday, October 14, 2025		Flexible pavement-1	3:00PM-3:59PM	
Friday, October 3, 2025		Important Definition & Closing Error	4:00PM-4:59PM					Wednesday, October 15, 2025		Flexible pavement-2	3:00PM-3:59PM	
Monday, October 6, 2025	Levelling	Important Definition	4:00PM-4:59PM					Thursday, October 16, 2025	Pavement Design	rigid pavement-1	3:00PM-3:59PM	
Tuesday, October 7, 2025		Method To Find The RI	4:00PM-4:59PM					Friday, October 17, 2025		rigid pavement-2	3:00PM-3:59PM	
Wednesday, October 8, 2025		Hi Method & Rise And Fall Method	4:00PM-4:59PM					Monday, October 20, 2025		Testing of materials-1	3:00PM-3:59PM	
Thursday, October 9, 2025		Reciprocal Levelling, Calculation Of RI	4:00PM-4:59PM					Tuesday, October 21, 2025		Testing of materials-2	3:00PM-3:59PM	
Friday, October 10, 2025	Contouring	Important Definition	4:00PM-4:59PM					Wednesday, October 22, 2025	Highway materials and maintenance	Marshall mix method-1	3:00PM-3:59PM	
Monday, October 13, 2025		Methods	4:00PM-4:59PM					Thursday, October 23, 2025		Marshall mix method-2	3:00PM-3:59PM	
Tuesday, October 14, 2025	Plane Table Survey	Instruments Of Plane Table Survey	4:00PM-4:59PM					END OF SUBJECT				
Wednesday, October 15, 2025		Setting Of Plane Table	4:00PM-4:59PM					Pramod sir : 14 Irrigation Engineering				
Thursday, October 16, 2025		Methods	4:00PM-4:59PM									
Friday, October 17, 2025	Tacheometric Survey	Instrument	4:00PM-4:59PM									
Monday, October 20, 2025		Tachometric Equation & Measurement	4:00PM-4:59PM									
END OF SUBJECT								Thursday, October 23, 2025	Orientation	Orientation	5:00PM-5:59PM	
Rajat sir : Soil Mechanics								Friday, October 24, 2025	Introduction	Methods of irrigation-1	5:00PM-5:59PM	
								Monday, October 27, 2025		Methods of irrigation-2	5:00PM-5:59PM	
								Tuesday, October 28, 2025		Different types of Efficiency of irrigation-1	5:00PM-5:59PM	
								Wednesday, October 29, 2025		Different types of Efficiency of irrigation-2	5:00PM-5:59PM	
Date	Chapter	Topic	Timing					Date	Chapter	Topic	Timing	
Recorded	INTRODUCTION	Definitions	Recorded					Thursday, October 30, 2025	Water Requirement of Crops	Water Requirement of Crops-1	5:00PM-5:59PM	
Recorded		Types of soil	Recorded					Friday, October 31, 2025		Water Requirement of Crops-2	5:00PM-5:59PM	
Recorded	PROPERTIES OF SOIL	Important Relationships	Recorded					Monday, November 3, 2025	Design of canals	Canal Irrigation System-1	5:00PM-5:59PM	
Recorded		Properties of soil	Recorded					Tuesday, November 4, 2025		Canal Irrigation System-2	5:00PM-5:59PM	
Recorded			Calculation of water content & unit weight	Recorded					Wednesday, November 5, 2025	Gravity Dam & Spillway Water Logging & Reclamation of Saline Soil	Gravity Dam & Spillway-1	5:00PM-5:59PM
Recorded		Soil Classification System	Recorded					Thursday, November 6, 2025	Gravity Dam & Spillway-2		5:00PM-5:59PM	

Recorded		ISSCS System	Recorded					Friday, November 7, 2025		Different types of forces action on DAM-1	5:00PM-5:59PM
Recorded		Coarse grain soil classification	Recorded					Monday, November 10, 2025		Different types of forces action on DAM-2	5:00PM-5:59PM
Recorded	CLASSIFICATION OF SOIL	Fine grain soil classification	Recorded					Tuesday, November 11, 2025		Different types of forces action on DAM-3	5:00PM-5:59PM
Recorded		Stress calculation	Recorded					Wednesday, November 12, 2025		Different types of forces action on DAM-4	5:00PM-5:59PM
Recorded	Effective and Neutral Stress	Effective Stress, normal stress, pore water pressure	Recorded					Thursday, November 13, 2025		Different types of forces action on DAM-5	5:00PM-5:59PM
Recorded		Capillarity of soil	Recorded					Friday, November 14, 2025		Water Logging & Reclamation of Saline Soil-1	5:00PM-5:59PM
Recorded		Permeability of soil	Recorded					Monday, November 17, 2025		Water Logging & Reclamation of Saline Soil-2	5:00PM-5:59PM
Recorded	PERMEABILITY	important formula Related to permeability	Recorded					Tuesday, November 18, 2025		Cross Drainage Work-1	5:00PM-5:59PM
Recorded		Seepage Analysis	Recorded					Wednesday, November 19, 2025		Cross Drainage Work-2	5:00PM-5:59PM
Recorded	Seepage Analysis	Important Theories	Recorded					Pramod sir : 6 Building Material and Construction			
Recorded		Vertical stress	Recorded					Date	Chapter	Topic	Timing
Recorded	Verticle Stress Distribution	Important formula Related to vertical stress	Recorded					Tuesday, November 11, 2025		Constituent of Cement	Recorded
Recorded		Compaction of Soil	Recorded					Wednesday, November 12, 2025		Composition of Cement	Recorded
Recorded	COMPACTION	Method of compaction	Recorded					Thursday, November 13, 2025		Testing of Cement-1	Recorded
Recorded		Consolidation of Soil	Recorded					Friday, November 14, 2025		Testing of Cement-2	Recorded
Recorded		Consolidation formula, NC SOIL & OC SOIL	Recorded					Monday, November 17, 2025		Type of Cement	Recorded
Recorded	CONSOLIDATION	Important graph & degree of consolidation	Recorded					Tuesday, November 18, 2025		Composition of good brick earth	Recorded
Recorded		Calculation of Shear Strength	Recorded					Wednesday, November 19, 2025		Classification of brick	Recorded
Recorded	Shear Strength	Earth pressure calculation	Recorded					Thursday, November 20, 2025		Test of brick	Recorded
Recorded		Active passive and earth pressure at rest	Recorded					Friday, November 21, 2025		Classification of rock	Recorded
Recorded	Earth Pressure							Monday, November 24, 2025		Composition & Explosive	Recorded
END OF SUBJECT								Tuesday, November 25, 2025		Classification of tree	Recorded
								Wednesday, November 26, 2025		Defect in timber	Recorded
								Thursday, November 27, 2025		Sawing of timber	Recorded
								Friday, November 28, 2025		Seasoning	Recorded
								Monday, December 1, 2025		Wood product	Recorded

					Tuesday, December 2, 2025	Paint and Varnishes	Paint vernish and distemper	Recorded
					Wednesday, December 3, 2025	Lime	Fat lime and hydraulic lime	Recorded
					Thursday, December 4, 2025	Concrete	Classification of aggregate	Recorded
					Friday, December 5, 2025		Bulking of sand	Recorded
					Monday, December 8, 2025		Water cement ratio	Recorded
					Tuesday, December 9, 2025		Workability	Recorded
					Wednesday, December 10, 2025		Admixture	Recorded
					Thursday, December 11, 2025	Building component	Building masonry and satir	Recorded
					Friday, December 12, 2025		Door and window roofing	Recorded
					END OF SUBJECT			
					Pramod sir : 12 Estimation & Costing			
					Date	Chapter	Topic	Timing
					Monday, October 27, 2025	Estimation costing and valuation	Type of estimation and plinth	3:00PM-3:59PM
					Tuesday, October 28, 2025		Included and excluded in plith	3:00PM-3:59PM
					Wednesday, October 29, 2025		Floor area ratio and detail estimation	3:00PM-3:59PM
					Thursday, October 30, 2025		Unit of measurement	3:00PM-3:59PM
					Friday, October 31, 2025		Major item work	3:00PM-3:59PM
					Monday, November 3, 2025		Bentup bar and brick soling	3:00PM-3:59PM
					Tuesday, November 4, 2025		Sinking fund and depriciation	3:00PM-3:59PM
					Wednesday, November 5, 2025		Quality of various item work	3:00PM-3:59PM
					Thursday, November 6, 2025		Long wall and short wall method	3:00PM-3:59PM
					Friday, November 7, 2025		Centre line method	3:00PM-3:59PM
					Monday, November 10, 2025		Doubt Class	3:00PM-3:59PM