

STUDY PLAN

Rajat sir : 10 RCC Design				Rahul Sir Hydraulic Machines		
				Date	Title	Timing
				Monday, August 18, 2025	Impact of jet	7:00PM-7:59PM
Date	Chapter	Topic	Timing	Tuesday, August 19, 2025	Turbine basic , classification	7:00PM-7:59PM
Wednesday, August 13, 2025	Introduction	Concrete-1	2:00PM - 3:00 PM	Wednesday, August 20, 2025	Pelton wheel , francis , kaplan turbine	7:00PM-7:59PM
Thursday, August 14, 2025		Concrete-2	2:00PM - 3:00 PM	Thursday, August 21, 2025	Pump-1	7:00PM-7:59PM
Friday, August 15, 2025	Reinforced Cement Concrete	Concrete mix	2:00PM - 3:00 PM	Friday, August 22, 2025	Pump-2	7:00PM-7:59PM
Monday, August 18, 2025		Important Test & IS CODE-1	2:00PM - 3:00 PM	Monday, August 25, 2025	Live doubt and miscellaneous-1	7:00PM-7:59PM
Tuesday, August 19, 2025		Important Test & IS CODE-2	2:00PM - 3:00 PM	Tuesday, August 26, 2025	Live doubt and miscellaneous-2	7:00PM-7:59PM
Wednesday, August 20, 2025		IS 456 , Codal provision-1	2:00PM - 3:00 PM	Wednesday, August 27, 2025	Live doubt and miscellaneous-3	7:00PM-7:59PM
Thursday, August 21, 2025		IS 456 , Codal provision-2	2:00PM - 3:00 PM	Rahul Sir Fluid Mechanics		
Friday, August 22, 2025		IS 456 , Codal provision-3	2:00PM - 3:00 PM			
Monday, August 25, 2025	Beams And Slabs	Important Terms, Stress and stain diagram-1	2:00PM - 3:00 PM	Date	Title	Timing
Tuesday, August 26, 2025		Important Terms, Stress and stain diagram-2	2:00PM - 3:00 PM	Monday, September 1, 2025	Basic introduction	7:00PM-7:59PM
Wednesday, August 27, 2025		Singly Reinforce Beam-1	2:00PM - 3:00 PM	Tuesday, September 2, 2025	Bulk modulus , Density	7:00PM-7:59PM
Thursday, August 28, 2025		Singly Reinforce Beam-2	2:00PM - 3:00 PM	Wednesday, September 3, 2025	Specific gravity and Specific Weight	7:00PM-7:59PM
Friday, August 29, 2025		Doubly Reinforce Beam	2:00PM - 3:00 PM	Thursday, September 4, 2025	Viscosity	7:00PM-7:59PM
Monday, September 1, 2025		Definition, Codal provision	2:00PM - 3:00 PM	Friday, September 5, 2025	Newton law of viscosity	7:00PM-7:59PM
Tuesday, September 2, 2025		Slab design-1	2:00PM - 3:00 PM	Monday, September 8, 2025	Fluid classification	7:00PM-7:59PM
Wednesday, September 3, 2025		Slab design-2	2:00PM - 3:00 PM	Tuesday, September 9, 2025	Surface tension	7:00PM-7:59PM
Thursday, September 4, 2025	Flange Section	T Beam & L Beam-1	2:00PM - 3:00 PM	Wednesday, September 10, 2025	Capillary	7:00PM-7:59PM
Friday, September 5, 2025		T Beam & L Beam-2	2:00PM - 3:00 PM			

Monday, September 8, 2025	Shear	Shear-1	2:00PM - 3:00 PM		Thursday, September 11, 2025	Basic , Types of pressure	7:00PM-7:59PM
Tuesday, September 9, 2025		Shear-2	2:00PM - 3:00 PM		Friday, September 12, 2025	Pascal and hydrostatic law	7:00PM-7:59PM
Wednesday, September 10, 2025	Bond Anchorage And Development Length	Bond & Developoment length-1	2:00PM - 3:00 PM		Monday, September 15, 2025	Pressure measuring device -1	7:00PM-7:59PM
Thursday, September 11, 2025		Bond & Developoment length-2	2:00PM - 3:00 PM		Tuesday, September 16, 2025	Pressure measuring device -2	7:00PM-7:59PM
Friday, September 12, 2025		Torsion, Equivalent moment & Shear-1	2:00PM - 3:00 PM		Wednesday, September 17, 2025	Basic concepts , principle of floatation	7:00PM-7:59PM
Monday, September 15, 2025					Thursday, September 18, 2025	Stability condition of submerged body	7:00PM-7:59PM
Tuesday, September 16, 2025		Torsion, Equivalent moment & Shear-2	2:00PM - 3:00 PM		Friday, September 19, 2025	Concept of metacentre	7:00PM-7:59PM
Wednesday, September 17, 2025		Column	Introduction, Types of column	2:00PM - 3:00 PM		Monday, September 22, 2025	Stability condition of floating body
Thursday, September 18, 2025	Concentric column, Axially loaded column-1		2:00PM - 3:00 PM		Tuesday, September 23, 2025	Hydro-static forces on plane	7:00PM-7:59PM
Friday, September 19, 2025	Concentric column, Axially loaded column-2		2:00PM - 3:00 PM		Wednesday, September 24, 2025	Hydro-static forces on curved surface	7:00PM-7:59PM
Monday, September 22, 2025	Codal Provision Related to column-1		2:00PM - 3:00 PM		Thursday, September 25, 2025	Basic and types of flow	7:00PM-7:59PM
Tuesday, September 23, 2025	Codal Provision Related to column-2		2:00PM - 3:00 PM		Friday, September 26, 2025	Stream, path and streak line	7:00PM-7:59PM
Wednesday, September 24, 2025	Column design, Spiral reinforced column-1		2:00PM - 3:00 PM		Monday, September 29, 2025	Continuity equation	7:00PM-7:59PM
Thursday, September 25, 2025	Column design, Spiral reinforced column-2		2:00PM - 3:00 PM		Tuesday, September 30, 2025	Velocity and stream function	7:00PM-7:59PM
END OF SUBJECT					Wednesday, October 1, 2025	Eulers , B.E equation	7:00PM-7:59PM
Rajat sir : CPM PERT					Thursday, October 2, 2025	Application of B.E Equation	7:00PM-7:59PM
					Friday, October 3, 2025	Basic introduction , shear stress and velcoi	7:00PM-7:59PM
					Monday, October 6, 2025	Pressure drop , friction factor	7:00PM-7:59PM
					Tuesday, October 7, 2025	Turbulent flow	7:00PM-7:59PM
Date	Chapter	Topic	Timing		Tuesday, October 7, 2025	Turbulent flow	7:00PM-7:59PM
Monday, August 25, 2025	CPM PERT	CPM PERT-1	4:00PM-4:59PM		Wednesday, October 8, 2025	Major , minor losses	7:00PM-7:59PM
Tuesday, August 26, 2025		CPM PERT-2	4:00PM-4:59PM		Thursday, October 9, 2025	Concept of equivalent pipe and maximum	7:00PM-7:59PM
Wednesday, August 27, 2025		CPM PERT-3	4:00PM-4:59PM		Friday, October 10, 2025	Boundry layer thoery	7:00PM-7:59PM
Thursday, August 28, 2025		CPM PERT-4	4:00PM-4:59PM		Monday, October 13, 2025	Free Vortex motion	7:00PM-7:59PM
Friday, August 29, 2025		CPM PERT-5	4:00PM-4:59PM		Tuesday, October 14, 2025	Forced Vortex motion	7:00PM-7:59PM
Monday, September 1, 2025		CPM PERT-6	4:00PM-4:59PM		Wednesday, October 15, 2025	Similarity , dimensionless number	7:00PM-7:59PM
Tuesday, September 2, 2025		CPM PERT-7	4:00PM-4:59PM		Rahul Sir Engineering Mechanics		
Wednesday, September 3, 2025		CPM PERT-8	4:00PM-4:59PM				
Thursday, September 4, 2025		CPM PERT-9	4:00PM-4:59PM		Date	Title	Timing

Friday, September 5, 2025		CPM PERT-10	4:00PM-4:59PM		Recorded	Basic of forces-1	Recorded
END OF SUBJECT					Recorded	Basic of forces-2	Recorded
Rajat sir : 1 Structural Analysis					Recorded	Basic of forces-3	Recorded
					Recorded	Basic of forces-4	Recorded
					Recorded	Basic of forces-5	Recorded
Date	Chapter	Topic	Timing		Recorded	Types of beam-1	Recorded
Monday, September 8, 2025	Determinant & Indeterminate Structures	Static Indeterminacy Of Structure	4:00PM-4:59PM		Recorded	Types of beam-2	Recorded
Tuesday, September 9, 2025		Kinematic Indeterminacy Of Structure And Stability	4:00PM-4:59PM		Recorded	Concepts of friction-1	Recorded
Wednesday, September 10, 2025	Methods Of Structural Analysis	Forced Method	4:00PM-4:59PM		Recorded	Concepts of friction -2	Recorded
Thursday, September 11, 2025		Slope Deflection Method	4:00PM-4:59PM		Recorded	Concepts of friction -3	Recorded
Friday, September 12, 2025		Moment Distribution Method	4:00PM-4:59PM		Recorded	Moment of Inertia-1	Recorded
Monday, September 15, 2025	Cables And Frames	Cables And Frames, Arches	4:00PM-4:59PM		Recorded	Moment of Inertia-2	Recorded
Tuesday, September 16, 2025		Influence Line Diagram And Rolling Loads	4:00PM-4:59PM		Recorded	Moment of Inertia-3	Recorded
Wednesday, September 17, 2025	Trusses	Joint Method	4:00PM-4:59PM		Recorded	Conservation of momentum and energy-1	Recorded
Thursday, September 18, 2025		Section Method	4:00PM-4:59PM		Recorded	Conservation of momentum and energy-2	Recorded
END OF SUBJECT							
Rajat sir : 5 Surveying							
Date	Chapter	Topic	Timing				
Monday, September 22, 2025	Fundamental Concept	Types Of Surveying, Principal Of Survey	4:00PM-4:59PM				
Tuesday, September 23, 2025		Vernier Caliper And Types	4:00PM-4:59PM				
Wednesday, September 24, 2025	Linear Measurement	Chain Line, Types Of Chain	4:00PM-4:59PM				
Thursday, September 25, 2025		Tape, Correction In Chain Survey	4:00PM-4:59PM				
Friday, September 26, 2025		Types Of Correction In Chain Survey, Normal Tension	4:00PM-4:59PM				
Monday, September 29, 2025	Compass Surveying And Theodolite	Bearing & Measurement Of Bearing	4:00PM-4:59PM				
Tuesday, September 30, 2025		Whole Circle Bearing & Reduce Bearing System	4:00PM-4:59PM				
Wednesday, October 1, 2025		Fore Bearing & Back Bearing Calculation-1	4:00PM-4:59PM				
Thursday, October 2, 2025		Fore Bearing & Back Bearing Calculation-2	4:00PM-4:59PM				

Friday, October 3, 2025		Important Definition & Closing Error	4:00PM-4:59PM			
Monday, October 6, 2025	Levelling	Important Definition	4:00PM-4:59PM			
Tuesday, October 7, 2025		Method To Find The RI	4:00PM-4:59PM			
Wednesday, October 8, 2025		Hi Method & Rise And Fall Method	4:00PM-4:59PM			
Thursday, October 9, 2025		Reciprocal Levelling, Calculation Of RI	4:00PM-4:59PM			
Friday, October 10, 2025		Contouring	Important Definition	4:00PM-4:59PM		
Monday, October 13, 2025	Methods		4:00PM-4:59PM			
Tuesday, October 14, 2025	Plane Table Survey	Instruments Of Plane Table Survey	4:00PM-4:59PM			
Wednesday, October 15, 2025		Setting Of Plane Table	4:00PM-4:59PM			
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						
Rajat sir : Soil Mechanics						
Date	Chapter	Topic	Timing			
Recorded	INTRODUCTION	Definitions	Recorded			
Recorded		Types of soil	Recorded			
Recorded	PROPERTIES OF SOIL	Important Relationships	Recorded			
Recorded		Properties of soil	Recorded			
Recorded		Calculation of water content & unit weight	Recorded			
Recorded		Soil Classification System	Recorded			
Recorded		ISSCS System	Recorded			
Recorded		Coarse grain soil classification	Recorded			
Recorded	CLASSIFICATION OF SOIL	Fine grain soil classification	Recorded			
Recorded	Effective and Neutral Stress	Stress calculation	Recorded			
Recorded		Effective Stress, normal stress, pore water pressure	Recorded			

Recorded		Capillarity of soil	Recorded				
Recorded	PERMEABILITY	Permeability of soil	Recorded				
Recorded		important formula Related to permeability	Recorded				
Recorded	Seepage Analysis	Seepage Analysis	Recorded				
Recorded		Important Theories	Recorded				
Recorded	Verticle Stress Distribution	Vertical stress	Recorded				
Recorded		Important formula Related to vertical stress	Recorded				
Recorded	COMPACTION	Compaction of Soil	Recorded				
Recorded		Method of compaction	Recorded				
Recorded	CONSOLIDATION	Consolidation of Soil	Recorded				
Recorded		Consolidation formula, NC SOIL & OC SOIL	Recorded				
Recorded		Important graph & degree of consolidation	Recorded				
Recorded	Shear Strength	Calculation of Shear Strength	Recorded				
Recorded	Earth Pressure	Earth pressure calculation	Recorded				
Recorded		Active passive and earth pressure at rest	Recorded				
END OF SUBJECT							

Pramod sir : 15 Railway Engineering

Date	Chapter	Topic	Timing
Wednesday, August 13, 2025	Basic Principle	Orientation	3:00PM-4:00PM
Thursday, August 14, 2025		Defect in rail	3:00PM-4:00PM
Friday, August 15, 2025		Gauge in railway track	3:00PM-4:00PM
Monday, August 18, 2025		Classification of sleeper	3:00PM-4:00PM
Tuesday, August 19, 2025	Track Design	Track fastener	3:00PM-4:00PM
Wednesday, August 20, 2025		Ballast	3:00PM-4:00PM
Thursday, August 21, 2025		Geometric design 1	3:00PM-4:00PM

Friday, August 22, 2025		Geometric design 2	3:00PM-4:00PM
Monday, August 25, 2025		Superelevation	3:00PM-4:00PM
Tuesday, August 26, 2025		Transition curve	3:00PM-4:00PM
Wednesday, August 27, 2025	Miscellaneous	Miscellaneous-1	3:00PM-4:00PM
Thursday, August 28, 2025		Miscellaneous-2	3:00PM-4:00PM
Friday, August 29, 2025		Miscellaneous-3	3:00PM-4:00PM
Monday, September 1, 2025		Miscellaneous-4	3:00PM-4:00PM
Tuesday, September 2, 2025		Doubts	3:00PM-4:00PM
Pramod sir : 12 Estimation & Costing			
Date	Chapter	Topic	Timing
Monday, September 1, 2025	Estimation costing and valuation	Type of estimation and plinth	3:00PM-3:59PM
Tuesday, September 2, 2025		Included and excluded in plith	3:00PM-3:59PM
Wednesday, September 3, 2025		Floor area ratio and detail estimation	3:00PM-3:59PM
Thursday, September 4, 2025		Unit of measurement	3:00PM-3:59PM
Friday, September 5, 2025		Major item work	3:00PM-3:59PM
Monday, September 8, 2025		Bentup bar and brick soling	3:00PM-3:59PM
Tuesday, September 9, 2025		Sinking fund and depriciation	3:00PM-3:59PM
Wednesday, September 10, 2025		Quality of various item work	3:00PM-3:59PM
Thursday, September 11, 2025		Long wall and short wall method	3:00PM-3:59PM
Friday, September 12, 2025		Centre line method	3:00PM-3:59PM
Monday, September 15, 2025		Doubt Class	3:00PM-3:59PM
Pramod sir : 7 Hydrology			
Date	Chapter	Topic	Timing
Wednesday, August 20, 2025	Basic principles And introduction	Stage and form of precipitation	5:00PM-5:59PM
Thursday, August 21, 2025		Index of wetness	5:00PM-5:59PM

Friday, August 22, 2025	Precipitation	Arithmetic mean method and theissen polygon method	5:00PM-5:59PM
Monday, August 25, 2025		Estimation of missing data	5:00PM-5:59PM
Tuesday, August 26, 2025		Mass curve and hyetograph	5:00PM-5:59PM
Wednesday, August 27, 2025		Method of determination	5:00PM-5:59PM
Thursday, August 28, 2025	Flood Routing and Flood Control	Probability method	5:00PM-5:59PM
Friday, August 29, 2025		Infiltration w index and phi index	5:00PM-5:59PM
Monday, September 1, 2025		Hydrograph	5:00PM-5:59PM

Pramod sir : 2 Environmental Engineering

Date	Chapter	Topic	Timing
Wednesday, September 3, 2025	Population forecasting and Water demand	Water Demand	5:00PM-5:59PM
Thursday, September 4, 2025		Population Forecast	5:00PM-5:59PM
Friday, September 5, 2025	Quality of water	Physical Water Quality Parameters	5:00PM-5:59PM
Monday, September 8, 2025		Chemical Water Quality Parameters	5:00PM-5:59PM
Tuesday, September 9, 2025		Hardness of Water	5:00PM-5:59PM
Wednesday, September 10, 2025		Nitrogen Content	5:00PM-5:59PM
Thursday, September 11, 2025	Water Treatment	Screening, Aeration	5:00PM-5:59PM
Friday, September 12, 2025		Sedimentation-1	5:00PM-5:59PM
Monday, September 15, 2025		Sedimentation-2	5:00PM-5:59PM
Tuesday, September 16, 2025		Filtration	5:00PM-5:59PM
Wednesday, September 17, 2025		Disinfection	5:00PM-5:59PM
Thursday, September 18, 2025		Water Softening	5:00PM-5:59PM
Friday, September 19, 2025	Waste Water	Chemical Waste Water Treatment Plant	5:00PM-5:59PM
Monday, September 22, 2025		BOD, COD	5:00PM-5:59PM
Tuesday, September 23, 2025	Disposal of Sewage Effluent	Dilution	5:00PM-5:59PM
Wednesday, September 24, 2025	Design of Sewer	Design of Sewer	5:00PM-5:59PM
Thursday, September 25, 2025	Sewage	Grit Chamber	5:00PM-5:59PM

Friday, September 26, 2025		Sedimentation	5:00PM-5:59PM
Monday, September 29, 2025		Trickling Filter	5:00PM-5:59PM
Tuesday, September 30, 2025		Activated Sludge	5:00PM-5:59PM
Wednesday, October 1, 2025	Solid Waste Management	Disposal of MSW	5:00PM-5:59PM
Thursday, October 2, 2025		Noise Pollution	5:00PM-5:59PM
END OF SUBJECT			
Pramod sir : 9 Highway Engineering			
Date	Chapter	Topic	Timing
Thursday, September 18, 2025	Highway development and planning	Introduction and all plans-1	5:00PM-6:00PM
Friday, September 19, 2025		Introduction and all plans-2	5:00PM-6:00PM
Saturday, September 20, 2025	Highway Geometric Design	Cross sectional elements-1	5:00PM-6:00PM
Sunday, September 21, 2025		Cross sectional elements-2	5:00PM-6:00PM
Monday, September 22, 2025		Sight distance-1	5:00PM-6:00PM
Tuesday, September 23, 2025		Sight distance-2	5:00PM-6:00PM
Wednesday, September 24, 2025		Horizontal alignment-1	5:00PM-6:00PM
Thursday, September 25, 2025		Horizontal alignmen-2	5:00PM-6:00PM
Friday, September 26, 2025		Vertical alignment-1	5:00PM-6:00PM
Saturday, September 27, 2025			
Sunday, September 28, 2025		Vertical alignment-2	5:00PM-6:00PM
Monday, September 29, 2025		Traffic characteristics and voulme study-1	5:00PM-6:00PM
Tuesday, September 30, 2025	Traffic Engineering	Traffic characteristics and voulme study-2	5:00PM-6:00PM
Wednesday, October 1, 2025		Traffic speed and capacity studies-1	5:00PM-6:00PM
Thursday, October 2, 2025		Traffic speed and capacity studies-2	5:00PM-6:00PM
Friday, October 3, 2025		Traffic control devices-1	5:00PM-6:00PM
Saturday, October 4, 2025		Traffic control devices-2	5:00PM-6:00PM
Sunday, October 5, 2025		Pavement Design	Flexible pavement-1

Monday, October 6, 2025		Flexible pavement-2	5:00PM-6:00PM
Tuesday, October 7, 2025		rigid pavement-1	5:00PM-6:00PM
Wednesday, October 8, 2025		rigid pavement-2	5:00PM-6:00PM
Thursday, October 9, 2025	Highway materials and maintenance	Testing of materials-1	5:00PM-6:00PM
Friday, October 10, 2025		Testing of materials-2	5:00PM-6:00PM
Saturday, October 11, 2025		Marshall mix method-1	5:00PM-6:00PM
Sunday, October 12, 2025		Marshall mix method-2	5:00PM-6:00PM

END OF SUBJECT

Pramod sir : 14 Irrigation Engineering

Date	Chapter	Topic	Timing
Recorded	Orientation	Orientation	Recorded
Recorded	Introduction	Methods of irrigation-1	Recorded
Recorded		Methods of irrigation-2	Recorded
Recorded		Different types of Efficiency of irrigation-1	Recorded
Recorded		Different types of Efficiency of irrigation-2	Recorded
Recorded			
Recorded	Water Requirement of Crops	Water Requirement of Crops-1	Recorded
Recorded		Water Requirement of Crops-2	Recorded
Recorded	Design of canals	Canal Irrigation System-1	Recorded
Recorded		Canal Irrigation System-2	Recorded
Recorded	Gravity Dam & Spillway Water Logging & Reclamation of Saline Soil	Gravity Dam & Spillway-1	Recorded
Recorded		Gravity Dam & Spillway-2	Recorded
Recorded		Different types of forces action on DAM-1	Recorded
Recorded		Different types of forces action on DAM-2	Recorded
Recorded		Different types of forces action on DAM-3	Recorded
Recorded		Different types of forces action on DAM-4	Recorded
Recorded		Different types of forces action on DAM-5	Recorded
Recorded			

Recorded		Water Logging & Reclamation of Saline Soil-1	Recorded
Recorded		Water Logging & Reclamation of Saline Soil-2	Recorded
Recorded		Cross Drainage Work-1	Recorded
Recorded		Cross Drainage Work-2	Recorded
Pramod sir : 6 Building Material and Construction			
Date	Chapter	Topic	Timing
Recorded	Cement	Constituent of Cement	Recorded
Recorded		Composition of Cement	Recorded
Recorded		Testing of Cement-1	Recorded
Recorded		Testing of Cement-2	Recorded
Recorded		Type of Cement	Recorded
Recorded	Brick and mortar	Composition of good brick earth	Recorded
Recorded		Classification of brick	Recorded
Recorded		Test of brick	Recorded
Recorded	stones	Classification of rock	Recorded
Recorded		Composition & Explosive	Recorded
Recorded	Timber	Classification of tree	Recorded
Recorded		Defect in timber	Recorded
Recorded		Sawing of timber	Recorded
Recorded		Seasoning	Recorded
Recorded		Wood product	Recorded
Recorded	Paint and Varnishes	Paint vernish and distemper	Recorded
Recorded	Lime	Fat lime and hydraulic lime	Recorded
Recorded	Concrete	Classification of aggregate	Recorded
Recorded		Bulking of sand	Recorded
Recorded		Water cement ratio	Recorded
Recorded		Workability	Recorded
Recorded		Admixture	Recorded

Recorded	Building component	Building masonry and satir	Recorded
Recorded		Door and window roofing	Recorded
END OF SUBJECT			

