

Rajat sir : 11 Steel Design				
Date	Chapter	Topic	Timing	
Thursday, May 8, 2025	General Design Principles	General Design Principles	4:00PM - 5:00 PM	
Friday, May 9, 2025		Bolted Connection-1	4:00PM - 5:00 PM	
Monday, May 12, 2025		Bolted Connection-2	4:00PM - 5:00 PM	
Tuesday, May 13, 2025		Welded Connection-1	4:00PM - 5:00 PM	
Wednesday, May 14, 2025		Eccentric Connection	4:00PM - 5:00 PM	
Thursday, May 15, 2025	Structure Fasteners	Riveted Connection	4:00PM - 5:00 PM	
Friday, May 16, 2025		Welded Connection-1	4:00PM - 5:00 PM	
Monday, May 19, 2025		Welded Connection-2	4:00PM - 5:00 PM	
Tuesday, May 20, 2025		Compression Member	4:00PM - 5:00 PM	
Wednesday, May 21, 2025		Tension Member	4:00PM - 5:00 PM	
Thursday, May 22, 2025	Beams	Laterally Stable and Unstable Beams	4:00PM - 5:00 PM	
Friday, May 23, 2025		Roof Trusses	4:00PM - 5:00 PM	
Monday, May 26, 2025		Plate Girders	4:00PM - 5:00 PM	
Tuesday, May 27, 2025		Shape Factor	4:00PM - 5:00 PM	
Wednesday, May 28, 2025		Plastic Hinge Length	4:00PM - 5:00 PM	
Thursday, May 29, 2025	Plastic Analysis	Static Method	4:00PM - 5:00 PM	
Friday, May 30, 2025		Kinetic Method	4:00PM - 5:00 PM	
Monday, June 2, 2025		END OF SUBJECT		

Rajat sir : 5 Surveying				
Date	Chapter	Topic	Timing	
Wednesday, June 4, 2025	Fundamental Concept	Types Of Surveying, Principal Of Survey	2:00PM - 3:00 PM	
Thursday, June 5, 2025		Vertical Caliper And Types	2:00PM - 3:00 PM	
Friday, June 6, 2025		Chain Line, Types Of Chain	2:00PM - 3:00 PM	
Monday, June 9, 2025		Tape, Correction In Chain Survey	2:00PM - 3:00 PM	
Tuesday, June 10, 2025		Types Of Correction In Chain Survey, Normal Tension	2:00PM - 3:00 PM	
Wednesday, June 11, 2025	Linear Measurement	Bearing & Measurement Of Bearing	2:00PM - 3:00 PM	
Thursday, June 12, 2025		Whole Circle Bearing & Reduce Bearing System	2:00PM - 3:00 PM	
Friday, June 13, 2025		Fore Bearing & Back Bearing Calculation-1	2:00PM - 3:00 PM	
Monday, June 16, 2025		Fore Bearing & Back Bearing Calculation-2	2:00PM - 3:00 PM	
Tuesday, June 17, 2025		Important Definition & Closing Error	2:00PM - 3:00 PM	
Wednesday, June 18, 2025	Compass Surveying And Theodolite	Import Definition	2:00PM - 3:00 PM	
Thursday, June 19, 2025		Method To Find The RI	2:00PM - 3:00 PM	
Friday, June 20, 2025		RI Method & Rise And Fall Method	2:00PM - 3:00 PM	
Monday, June 23, 2025		Reciprocal Levelling, Calculation Of RI	2:00PM - 3:00 PM	
Tuesday, June 24, 2025		Import Definition	2:00PM - 3:00 PM	
Wednesday, June 25, 2025	Contouring	Methods	2:00PM - 3:00 PM	
Thursday, June 26, 2025		Instruments Of Plane Table Survey	2:00PM - 3:00 PM	
Friday, June 27, 2025		Setting Of Plane Table	2:00PM - 3:00 PM	
Monday, June 30, 2025		Methods	2:00PM - 3:00 PM	
Tuesday, July 1, 2025		Instrument	2:00PM - 3:00 PM	
Wednesday, July 2, 2025	Tacheometric Survey	Tacheometric Equation & Measurement	2:00PM - 3:00 PM	
Thursday, July 3, 2025		Types Of Curve	2:00PM - 3:00 PM	
Friday, July 4, 2025		Important Terms & Formula	2:00PM - 3:00 PM	
Monday, July 7, 2025		Calculation Of Area	2:00PM - 3:00 PM	
Tuesday, July 8, 2025		Calculation Of Volume	2:00PM - 3:00 PM	
Monday, June 2, 2025	END OF SUBJECT			

Rajat sir : Soil Mechanics				
Date	Chapter	Topic	Timing	
Friday, June 6, 2025	INTRODUCTION	Definitions	4:00PM - 4:59PM	
Monday, June 9, 2025		Types of soil	4:00PM - 4:59PM	
Tuesday, June 10, 2025		Important Relationships	4:00PM - 4:59PM	
Wednesday, June 11, 2025		Properties of soil	4:00PM - 4:59PM	
Thursday, June 12, 2025		Calculation of water content & unit weight	4:00PM - 4:59PM	
Friday, June 13, 2025	PROPERTIES OF SOIL	Soil Classification System	4:00PM - 4:59PM	
Monday, June 16, 2025		ISSCS System	4:00PM - 4:59PM	
Tuesday, June 17, 2025		Center grain soil classification	4:00PM - 4:59PM	
Wednesday, June 18, 2025		Fine grain soil classification	4:00PM - 4:59PM	
Thursday, June 19, 2025		Stress calculation	4:00PM - 4:59PM	
Friday, June 20, 2025	CLASSIFICATION OF SOIL	Effective Stress, normal stress, pore water pressure	4:00PM - 4:59PM	
Monday, June 23, 2025		Capillarity of soil	4:00PM - 4:59PM	
Tuesday, June 24, 2025		Permeability of soil	4:00PM - 4:59PM	
Wednesday, June 25, 2025		important formula Related to permeability	4:00PM - 4:59PM	
Thursday, June 26, 2025		Seepage Analysis	4:00PM - 4:59PM	
Friday, July 2, 2025	Seepage Analysis	Terzaghi Theories	4:00PM - 4:59PM	
Monday, June 30, 2025		Vertical stress	4:00PM - 4:59PM	
Tuesday, July 1, 2025		Important formula Related to vertical stress	4:00PM - 4:59PM	
Wednesday, July 2, 2025		Compaction of Soil	4:00PM - 4:59PM	
Thursday, July 3, 2025		Method of compaction	4:00PM - 4:59PM	
Friday, July 4, 2025	COMPACTION	Consolidation of Soil	4:00PM - 4:59PM	
Monday, July 7, 2025		Consolidation formula, NC SOIL & OC SOIL	4:00PM - 4:59PM	
Tuesday, July 8, 2025		Consolidation graph & degree of consolidation	4:00PM - 4:59PM	
Wednesday, July 9, 2025		Calculation of Shear Strength	4:00PM - 4:59PM	
Thursday, July 10, 2025		Earth pressure calculation	4:00PM - 4:59PM	
Friday, July 11, 2025	Earth Pressure	Active passive and earth pressure at rest	4:00PM - 4:59PM	
Monday, June 2, 2025	END OF SUBJECT			

Rajat sir : 1 Structural Analysis				
Date	Chapter	Topic	Timing	
Wednesday, May 21, 2025	Determinant & Indeterminate Structures	Static Indeterminacy Of Structure	2:00PM - 3:00 PM	
Thursday, May 22, 2025		Kinematic Indeterminacy Of Structure And Stability	2:00PM - 3:00 PM	
Friday, May 23, 2025		Formed Method	2:00PM - 3:00 PM	
Monday, May 26, 2025		Slope Deflection Method	2:00PM - 3:00 PM	
Tuesday, May 27, 2025		Moment Distribution Method	2:00PM - 3:00 PM	
Wednesday, May 28, 2025	Cables And Frames	Cables And Frames, Arches	2:00PM - 3:00 PM	
Thursday, May 29, 2025		Influence Line Diagram And Rolling Loads	2:00PM - 3:00 PM	
Friday, May 30, 2025		Joint Method	2:00PM - 3:00 PM	
Monday, June 2, 2025		Section Method	2:00PM - 3:00 PM	
Monday, June 2, 2025	END OF SUBJECT			

Rajat sir : 10 RCC Design				
Date	Chapter	Topic	Timing	
Recorded	Introduction	Concrete-1	Recorded	
Recorded		Concrete-2	Recorded	
Recorded		Concrete mix	Recorded	
Recorded		Important Test & IS CODE-1	Recorded	
Recorded		Important Test & IS CODE-2	Recorded	
Recorded	Reinforced Cement Concrete	IS 456 , Code provision-1	Recorded	
Recorded		IS 456 , Code provision-2	Recorded	
Recorded		IS 456 , Code provision-3	Recorded	
Recorded		Important Terms, Stress and stain diagram-1	Recorded	
Recorded		Important Terms, Stress and stain diagram-2	Recorded	
Recorded	Trusses	Singly Reinforce Beam-1	Recorded	
Recorded		Singly Reinforce Beam-2	Recorded	
Recorded		Doubly Reinforce Beam	Recorded	
Recorded		Definition, Code provision	Recorded	
Recorded			Recorded	

Rahul Sir Hydraulic Machines				
Date	Chapter	Title	Timing	
Monday, July 21, 2025	HYDRAULIC MACHINE	Impact of jet	7:00PM-7:59PM	
Tuesday, July 22, 2025		Turbine basic , classification	7:00PM-7:59PM	
Wednesday, July 23, 2025		Pelton wheel , Francis , Kaplan turbine	7:00PM-7:59PM	
Thursday, July 24, 2025		Pump-1	7:00PM-7:59PM	
Friday, July 25, 2025		Pump-2	7:00PM-7:59PM	
Monday, July 28, 2025	LIVE DOUBT AND MISCELLANEOUS	Live doubt and miscellaneous-1	7:00PM-7:59PM	
Tuesday, July 29, 2025		Live doubt and miscellaneous-2	7:00PM-7:59PM	
Wednesday, July 30, 2025		Live doubt and miscellaneous-3	7:00PM-7:59PM	
Thursday, July 31, 2025				
Friday, August 1, 2025				

Date	Topic	Title	Timing	
Friday, June 13, 2025	FLUID PROPERTY	Basic introduction	7:00PM-7:59PM	
Monday, June 16, 2025		Bulk modulus , Density	7:00PM-7:59PM	
Tuesday, June 17, 2025		Specific gravity and Specific Weight	7:00PM-7:59PM	
Wednesday, June 18, 2025		Viscosity	7:00PM-7:59PM	
Thursday, June 19, 2025		Newton law of viscosity	7:00PM-7:59PM	
Friday, June 20, 2025	SURFACE TENSION	Fluid classification	7:00PM-7:59PM	
Monday, June 23, 2025		Surface tension	7:00PM-7:59PM	
Tuesday, June 24, 2025		Capillary	7:00PM-7:59PM	
Wednesday, June 25, 2025		Basic , Types of pressure	7:00PM-7:59PM	
Thursday, June 26, 2025		Pascal and hydrostatic law	7:00PM-7:59PM	
Friday, June 27, 2025	PRESSURE	Pressure measuring device -1	7:00PM-7:59PM	
Monday, June 30, 2025		Pressure measuring device -2	7:00PM-7:59PM	
Tuesday, July 1, 2025		Basic concepts , principle of floatation	7:00PM-7:59PM	
Wednesday, July 2, 2025		Stability condition of submerged body	7:00PM-7:59PM	
Thursday, July 3, 2025		Concept of metacenter	7:00PM-7:59PM	
Friday, July 4, 2025	BUOYANCY AND FLOATATION	Stability condition of floating body	7:00PM-7:59PM	
Monday, July 7, 2025		Hydro-static forces on plane	7:00PM-7:59PM	
Tuesday, July 8, 2025		Hydro-static forces on curved surface	7:00PM-7:59PM	
Wednesday, July 9, 2025		Basic and types of flow	7:00PM-7:59PM	
Thursday, July 10, 2025		Stream, path and streak line	7:00PM-7:59PM	
Friday, July 11, 2025	FLUID KINEMATICS	Continuity equation	7:00PM-7:59PM	
Monday, July 14, 2025		Velocity and stream function	7:00PM-7:59PM	
Tuesday, July 15, 2025		Eulers , B.E equation	7:00PM-7:59PM	
Wednesday, July 16, 2025		Application of B.E Equation	7:00PM-7:59PM	
Thursday, July 17, 2025		Basic introduction , shear stress and velocity profile	7:00PM-7:59PM	
Friday, July 18, 2025	LAMINAR & TURBULENT FLOW	Pressure drop , Friction factor	7:00PM-7:59PM	
Saturday, July 19, 2025		Turbulent flow	7:00PM-7:59PM	
Sunday, July 20, 2025		Major , minor losses	7:00PM-7:59PM	
Monday, July 21, 2025		Concept of equivalent pipe and maximum efficiency	7:00PM-7:59PM	
Tuesday, July 22, 2025		Boundary layer theory	7:00PM-7:59PM	
Wednesday, July 23, 2025	BOUNDARY LAYER THEORY	Free Vortex motion	7:00PM-7:59PM	
Thursday, July 24, 2025		Forced Vortex motion	7:00PM-7:59PM	
Friday, July 25, 2025		Similarity , dimensionless number	7:00PM-7:59PM	
Monday, July 28, 2025	VORTEX MOTION	Basic of forces-1	4:00PM-4:59PM	
Tuesday, July 29, 2025		Basic of forces-2	4:00PM-4:59PM	
Wednesday, July 30, 2025		Basic of forces-3	4:00PM-4:59PM	
Thursday, July 31, 2025		Types of beam-1	4:00PM-4:59PM	
Friday, August 1, 2025		Types of beam-2	4:00PM-4:59PM	
Monday, June 30, 2025	Basic of forces	Concepts of friction-1	4:00PM-4:59PM	
Tuesday, July 1, 2025		Concepts of friction -2	4:00PM-4:59PM	
Wednesday, July 2, 2025		Concepts of friction -3	4:00PM-4:59PM	
Thursday, July 3, 2025		Moment of Inertia-1	4:00PM-4:59PM	
Friday, July 4, 2025		Moment of Inertia-2	4:00PM-4:59PM	
Monday, July 7, 2025	Moment of Inertia	Moment of Inertia-3	4:00PM-4:59PM	
Tuesday, July 8, 2025		Conservation of momentum and energy-1	4:00PM-4:59PM	
Wednesday, July 9, 2025		Conservation of momentum and energy-2	4:00PM-4:59PM	
Thursday, July 10, 2025				
Friday, July 11, 2025				

Rahul Sir Engineering Mechanics				
Date	Chapter	Title	Timing	
Tuesday, June 24, 2025	Basic of forces	Basic of forces-1	4:00PM-4:59PM	
Wednesday, June 25, 2025		Basic of forces-2	4:00PM-4:59PM	
Thursday, June 26, 2025		Basic of forces-3	4:00PM-4:59PM	
Friday, June 27, 2025		Types of beam-1	4:00PM-4:59PM	
Monday, June 30, 2025		Types of beam-2	4:00PM-4:59PM	
Tuesday, July 1, 2025	Types of beam	Concepts of friction-1	4:00PM-4:59PM	
Wednesday, July 2, 2025		Concepts of friction -2	4:00PM-4:59PM	
Thursday, July 3, 2025		Concepts of friction -3	4:00PM-4:59PM	
Friday, July 4, 2025		Moment of Inertia-1	4:00PM-4:59PM	
Monday, July 7, 2025		Moment of Inertia-2	4:00PM-4:59PM	
Tuesday, July 8, 2025	Moment of Inertia	Moment of Inertia-3	4:00PM-4:59PM	
Wednesday, July 9, 2025		Conservation of momentum and energy-1	4:00PM-4:59PM	
Thursday, July 10, 2025		Conservation of momentum and energy-2	4:00PM-4:59PM	
Friday, July 11, 2025				
Monday, July 14, 2025				

Pranod sir : 14 Irrigation Engineering				
Date	Chapter	Topic	Timing	
Thursday, May 8, 2025	Introduction	Orientation	5:00 PM - 6:00 PM	
Friday, May 9, 2025		Methods of irrigation-1	5:00 PM - 6:00 PM	
Monday, May 12, 2025		Methods of irrigation-2	5:00 PM - 6:00 PM	
Tuesday, May 13, 2025		Different types of Efficiency of irrigation-1	5:00 PM - 6:00 PM	
Wednesday, May 14, 2025		Different types of Efficiency of irrigation-2	5:00 PM - 6:00 PM	
Thursday, May 15, 2025	Water Requirement of Crops	Water Requirement of Crops-1	5:00 PM - 6:00 PM	
Friday, May 16, 2025		Water Requirement of Crops-2	5:00 PM - 6:00 PM	
Monday, May 19, 2025		Canal Irrigation System-1	5:00 PM - 6:00 PM	
Tuesday, May 20, 2025		Canal Irrigation System-2	5:00 PM - 6:00 PM	
Wednesday, May 21, 2025		Gravity Dam & Spillways-1	5:00 PM - 6:00 PM	
Thursday, May 22, 2025	Design of canals	Gravity Dam & Spillways-2	5:00 PM - 6:00 PM	
Friday, May 23, 2025		Different types of forces action on DAM-1	5:00 PM - 6:00 PM	
Monday, May 26, 2025		Different types of forces action on DAM-2	5:00 PM - 6:00 PM	
Tuesday, May 27, 2025		Different types of forces action on DAM-3	5:00 PM - 6:00 PM	
Wednesday, May 28, 2025		Different types of forces action on DAM-4	5:00 PM - 6:00 PM	
Thursday, May 29, 2025	Gravity Dam & Spillways	Different types of forces action on DAM-5	5:00 PM - 6:00 PM	
Friday, May 30, 2025		Water Logging & Reclamation of Saline Soil-1	5:00 PM - 6:00 PM	
Monday, June 2, 2025		Water Logging & Reclamation of Saline Soil-2	5:00 PM - 6:00 PM	
Tuesday, June 3, 2025		Cross Drainage Work-1	5:00 PM - 6:00 PM	
Wednesday, June 4, 2025		Water Logging & Reclamation of Saline Soil	Cross Drainage Work-2	5:00 PM - 6:00 PM

Recorded	Basic Principle	Defect in rail	Recorded
Recorded		Gauge in railway track	Recorded
Recorded		Classification of sleeper	Recorded
Recorded		Track fastener	Recorded
Recorded		Ballast	Recorded
Recorded	Track Design	Geometric design 1	Recorded
Recorded		Geometric design 2	Recorded
Recorded		Superelevation	Recorded
Recorded		Transition curve	Recorded
Recorded		Miscellaneous-1	Recorded
Recorded		Miscellaneous-2	Recorded
Recorded		Miscellaneous-3	Recorded
Recorded	Miscellaneous	Miscellaneous-4	Recorded
Recorded		Doubles	Recorded
Promod str : 9 Highway Engineering			
Data	Chapter	Topic	Timing
Recorded	Highway development and planning	Introduction of all plans-1	Recorded
Recorded		Introduction of all plans-2	Recorded
Recorded		Cross sectional elements-1	Recorded
Recorded		Cross sectional elements-2	Recorded
Recorded		Sight distance-1	Recorded
Recorded	Highway Geometric Design	Sight distance-2	Recorded
Recorded		Horizontal alignment-1	Recorded
Recorded		Horizontal alignment-2	Recorded
Recorded		Vertical alignment-1	Recorded
Recorded		Vertical alignment-2	Recorded
Recorded		Traffic characteristics and volume study-1	Recorded
Recorded		Traffic characteristics and volume study-2	Recorded
Recorded	Traffic Engineering	Traffic speed and capacity studies-1	Recorded
Recorded		Traffic speed and capacity studies-2	Recorded
Recorded		Traffic control devices-1	Recorded
Recorded	Pavement Design	Traffic control devices-2	Recorded
Recorded		Flexible pavement-1	Recorded
Recorded		Flexible pavement-2	Recorded
Recorded		Rigid pavement-1	Recorded
Recorded		Rigid pavement-2	Recorded
Recorded	Highway materials and maintenance	Testing of materials-1	Recorded
Recorded		Testing of materials-2	Recorded
Recorded		Marshall mix method-1	Recorded
Recorded		Marshall mix method-2	Recorded