

## STUDY PLAN

Pramod sir : Railway Engineering			Rehan sir : RCC Design			Rehan sir : Soil Mechanics		
Date	Topic	Timing	Date	Topic	Timing	Date	Topic	Timing
Friday, July 10, 2026	Orientation	5:00 PM - 6:00 PM	Tuesday, July 14, 2026	Concrete-1	1:00PM-2:30PM	Friday, July 17, 2026	Definitions	4PM - 5PM
Monday, July 13, 2026	Defect in rail	5:00 PM - 6:00 PM	Wednesday, July 15, 2026	Concrete-2	1:00PM-2:30PM	Monday, July 20, 2026	Types of soil	4PM - 5PM
Tuesday, July 14, 2026	Gauge in railway track	5:00 PM - 6:00 PM	Thursday, July 16, 2026	Concrete mix	1:00PM-2:30PM	Tuesday, July 21, 2026	Important Relationships	4PM - 5PM
Wednesday, July 15, 2026	Classification of sleeper	5:00 PM - 6:00 PM	Friday, July 17, 2026	Important Test & IS CODE-1	1:00PM-2:30PM	Wednesday, July 22, 2026	Properties of soil	4PM - 5PM
Thursday, July 16, 2026	Track fastener	5:00 PM - 6:00 PM	Monday, July 20, 2026	Important Test & IS CODE-2	1:00PM-2:30PM	Thursday, July 23, 2026	Calculation of water content & unit weight	4PM - 5PM
Friday, July 17, 2026	Ballast	5:00 PM - 6:00 PM	Tuesday, July 21, 2026	IS 456 , Codal provision-1	1:00PM-2:30PM	Friday, July 24, 2026	Soil Classification System	4PM - 5PM
Monday, July 20, 2026	Geometric design 1	5:00 PM - 6:00 PM	Wednesday, July 22, 2026	IS 456 , Codal provision-2	1:00PM-2:30PM	Monday, July 27, 2026	ISSCS System	4PM - 5PM
Tuesday, July 21, 2026	Geometric design 2	5:00 PM - 6:00 PM	Thursday, July 23, 2026	IS 456 , Codal provision-3	1:00PM-2:30PM	Tuesday, July 28, 2026	Coarse grain soil classification	4PM - 5PM
Wednesday, July 22, 2026	Superelevation	5:00 PM - 6:00 PM	Friday, July 24, 2026	Important Terms, Stress and stain diagram-1	1:00PM-2:30PM	Wednesday, July 29, 2026	Fine grain soil classification	4PM - 5PM
Thursday, July 23, 2026	Transition curve	5:00 PM - 6:00 PM	Monday, July 27, 2026	Important Terms, Stress and stain diagram-2	1:00PM-2:30PM	Thursday, July 30, 2026	Stress calculation	4PM - 5PM
Friday, July 24, 2026	Miscellaneous-1	5:00 PM - 6:00 PM	Tuesday, July 28, 2026	Singly Reinforce Beam-1	1:00PM-2:30PM	Friday, July 31, 2026	Effective Stress, normal stress, pore water pressure	4PM - 5PM
Monday, July 27, 2026	Miscellaneous-2	5:00 PM - 6:00 PM	Wednesday, July 29, 2026	Singly Reinforce Beam-2	1:00PM-2:30PM	Monday, August 3, 2026	Capillarity of soil	4PM - 5PM
Tuesday, July 28, 2026	Miscellaneous-3	5:00 PM - 6:00 PM	Thursday, July 30, 2026	Doubly Reinforce Beam	1:00PM-2:30PM	Tuesday, August 4, 2026	Permeability of soil	4PM - 5PM
Wednesday, July 29, 2026	Miscellaneous-4	5:00 PM - 6:00 PM	Friday, July 31, 2026	Definition, Codal provision	1:00PM-2:30PM	Wednesday, August 5, 2026	important formula Related to permeability	4PM - 5PM
Pramod sir : Estimation & Costing			Monday, August 3, 2026	Slab design-1	1:00PM-2:30PM	Thursday, August 6, 2026	Seepage Analysis	4PM - 5PM
			Tuesday, August 4, 2026	Slab design-2	1:00PM-2:30PM	Friday, August 7, 2026	Important Theories	4PM - 5PM
			Wednesday, August 5, 2026	T Beam & L Beam-1	1:00PM-2:30PM	Monday, August 10, 2026	Vertical stress	4PM - 5PM

Date	Topic	Timing						
Thursday, July 30, 2026	Orientation	5:00 PM - 6:00 PM	Thursday, August 6, 2026	T Beam & L Beam-2	1:00PM-2:30PM	Tuesday, August 11, 2026	Important formula Related to vertical stress	4PM - 5PM
Friday, July 31, 2026	Included and excluded in plith	5:00 PM - 6:00 PM	Friday, August 7, 2026	Shear-1	1:00PM-2:30PM	Wednesday, August 12, 2026	Compaction of Soil	4PM - 5PM
Monday, August 3, 2026	Floor area ratio and detail estimation	5:00 PM - 6:00 PM	Monday, August 10, 2026	Shear-2	1:00PM-2:30PM	Thursday, August 13, 2026	Method of compaction	4PM - 5PM
Tuesday, August 4, 2026	Unit of measurement	5:00 PM - 6:00 PM	Tuesday, August 11, 2026	Bond & Development length-1	1:00PM-2:30PM	Friday, August 14, 2026	Consolidation of Soil	4PM - 5PM
Wednesday, August 5, 2026	Major item work	5:00 PM - 6:00 PM	Wednesday, August 12, 2026	Bond & Development length-2	1:00PM-2:30PM	Monday, August 17, 2026	Consolidation formula, NC SOIL & OC SOIL	4PM - 5PM
Thursday, August 6, 2026	Bentup bar and brick soling	5:00 PM - 6:00 PM	Thursday, August 13, 2026	Torsion, Equivalent moment & Shear-1	1:00PM-2:30PM	Tuesday, August 18, 2026	Important graph & degree of consolidation	4PM - 5PM
Friday, August 7, 2026	Sinking fund and depreciation	5:00 PM - 6:00 PM	Friday, August 14, 2026		1:00PM-2:30PM	Wednesday, August 19, 2026	Calculation of Shear Strength	4PM - 5PM
Monday, August 10, 2026	Quality of various item work	5:00 PM - 6:00 PM	Monday, August 17, 2026	Torsion, Equivalent moment & Shear-2	1:00PM-2:30PM	Thursday, August 20, 2026	Earth pressure calculation	4PM - 5PM
Tuesday, August 11, 2026	Long wall and short wall method	5:00 PM - 6:00 PM	Tuesday, August 18, 2026	Introduction, Types of column	1:00PM-2:30PM	Friday, August 21, 2026	Active passive and earth pressure at rest	4PM - 5PM
Wednesday, August 12, 2026	Centre line method	5:00 PM - 6:00 PM	Wednesday, August 19, 2026	Concentric column, Axially loaded column-1	1:00PM-2:30PM	<b>Rehan sir : Steel</b>		
Thursday, August 13, 2026	Doubt Class	5:00 PM - 6:00 PM	Thursday, August 20, 2026	Concentric column, Axially loaded column-2	1:00PM-2:30PM			
<b>Pramod sir : Highway Engineering</b>			Friday, August 21, 2026	Codal Provision Related to column-1	1:00PM-2:30PM	<b>Date</b>	<b>Topic</b>	<b>Timing</b>
<b>Pramod sir : Highway Engineering</b>			Monday, August 24, 2026	Codal Provision Related to column-2	1:00PM-2:30PM	Monday, August 24, 2026	Steel - 1	Recording-1
<b>Date</b>	<b>Topic</b>	<b>Timing</b>	Tuesday, August 25, 2026	Column design, Spiral reinforced column-1	1:00PM-2:30PM	Tuesday, August 25, 2026	Steel - 2	Recording-2
Friday, August 14, 2026	Introduction and all plans-1	Recording-1	Wednesday, August 26, 2026	Column design, Spiral reinforced column-2	1:00PM-2:30PM	Wednesday, August 26, 2026	Steel - 3	Recording-3
Monday, August 17, 2026	Introduction and all plans-2	Recording-2	<b>Rehan sir : Surveying</b>			Thursday, August 27, 2026	Steel - 4	Recording-4
Tuesday, August 18, 2026	Cross sectional elements-1	Recording-3				Friday, August 28, 2026	Steel - 5	Recording-5
Wednesday, August 19, 2026	Cross sectional elements-2	Recording-4	<b>Date</b>	<b>Topic</b>	<b>Timing</b>	Monday, August 31, 2026	Steel - 6	Recording-6
Thursday, August 20, 2026	Sight distance-1	Recording-5	Thursday, August 27, 2026	Types Of Surveying, Principal Of Survey	Recording-1	Tuesday, September 1, 2026	Steel - 7	Recording-7
Friday, August 21, 2026	Sight distance-2	Recording-6	Friday, August 28, 2026	Vernier Caliper And Types	Recording-2	Wednesday, September 2, 2026	Steel - 8	Recording-8
Monday, August 24, 2026	Horizontal alignment-1	Recording-7	Monday, August 31, 2026	Chain Line, Types Of Chain	Recording-3	Thursday, September 3, 2026	Steel - 9	Recording-9
Tuesday, August 25, 2026	Horizontal alignmen-2	Recording-8	Tuesday, September 1, 2026	Tape, Correction In Chain Survey	Recording-4	Friday, September 4, 2026	Steel - 10	Recording-10

Wednesday, August 26, 2026	Vertical alignment-1	Recording-9	Wednesday, September 2, 2026	Types Of Correction In Chain Survey, Normal Tension	Recording-5	Monday, September 7, 2026	Steel - 11	Recording-11
Thursday, August 27, 2026	Vertical alignment-2	Recording-10	Thursday, September 3, 2026	Bearing & Measurement Of Bearing	Recording-6	Tuesday, September 8, 2026	Steel - 12	Recording-12
Friday, August 28, 2026	Traffic characteristics and voulme study-1	Recording-11	Friday, September 4, 2026	Whole Circle Bearing & Reduce Bearing System	Recording-7	Wednesday, September 9, 2026	Steel - 13	Recording-13
Monday, August 31, 2026	Flexible pavement-1	Recording-12	Monday, September 7, 2026	Fore Bearing & Back Bearing Calculation-1	Recording-8	Thursday, September 10, 2026	Steel - 14	Recording-14
Tuesday, September 1, 2026	Flexible pavement-2	Recording-13	Tuesday, September 8, 2026	Fore Bearing & Back Bearing Calculation-2	Recording-9	Friday, September 11, 2026	Steel - 15	Recording-15
Wednesday, September 2, 2026	rigid pavement-1	Recording-14	Wednesday, September 9, 2026	Important Definition & Closing Error	Recording-10	Monday, September 14, 2026	Steel - 16	Recording-16
Thursday, September 3, 2026	rigid pavement-2	Recording-15	Thursday, September 10, 2026	Important Definition	Recording-11	Tuesday, September 15, 2026	Steel - 17	Recording-17
Friday, September 4, 2026	Testing of materials-1	Recording-16	Friday, September 11, 2026	Method To Find The RI	Recording-12	Wednesday, September 16, 2026	Steel - 18	Recording-18
Monday, September 7, 2026	Testing of materials-2	Recording-17	Monday, September 14, 2026	Hi Method & Rise And Fall Method	Recording-13	Thursday, September 17, 2026	Steel - 19	Recording-19
Tuesday, September 8, 2026	Marshall mix method-1	Recording-18	Tuesday, September 15, 2026	Reciprocal Levelling, Calculation Of RI	Recording-14	Friday, September 18, 2026	Steel - 20	Recording-20
Wednesday, September 9, 2026	Marshall mix method-2	Recording-19	Wednesday, September 16, 2026	Important Definition	Recording-15	Monday, September 21, 2026	Steel - 21	Recording-21
Thursday, September 10, 2026	Traffic characteristics and voulme study-2	Recording-20	Thursday, September 17, 2026	Methods	Recording-16	Tuesday, September 22, 2026	Steel - 22	Recording-22
Friday, September 11, 2026	Traffic speed and capacity studies-1	Recording-21	Friday, September 18, 2026	Instruments Of Plane Table Survey	Recording-17	Wednesday, September 23, 2026	Steel - 23	Recording-23
Monday, September 14, 2026	Traffic speed and capacity studies-2	Recording-22	Monday, September 21, 2026	Setting Of Plane Table	Recording-18	Thursday, September 24, 2026	Steel - 24	Recording-24
Tuesday, September 15, 2026	Traffic control devices-1	Recording-23	Tuesday, September 22, 2026	Methods	Recording-19	Friday, September 25, 2026	Steel - 25	Recording-25
Wednesday, September 16, 2026	Traffic control devices-2	Recording-24	Wednesday, September 23, 2026	Instrument	Recording-20	<b>Rehan sir : Structural Analysis</b>		
<b>Pramod sir : Hydrology</b>			Thursday, September 24, 2026	Tachometric Equation & Measurement	Recording-21			
<b>Date</b>	<b>Topic</b>	<b>Timing</b>				<b>Date</b>	<b>Topic</b>	<b>Timing</b>
Recordings will be added on 10th July	Stage and form of precipitation	Recording-1				Recordings will be added on 10th July	Static Indeterminacy Of Structure	4PM - 5PM
	Index of wetness	Recording-2					Kinematic Indeterminacy Of Structure And Stability	4PM - 5PM
	Arithmetic mean method and thessen polygon method	Recording-3					Forced Method	4PM - 5PM

	Estimation of missing data	Recording-4					Slope Deflection Method	4PM - 5PM
	Mass curve and hytograph	Recording-5					Moment Distribution Method	4PM - 5PM
	Method to determination	Recording-6					Cables And Frames, Arches	4PM - 5PM
	Probability method	Recording-7					Influence Line Diagram And Rolling Loads	4PM - 5PM
	Infiltration w index and phi index	Recording-8					Joint Method	4PM - 5PM
	Hydrograph	Recording-9					Section Method	4PM - 5PM

Pramod sir : 2 Environmental Engineering		
Date	Topic	Timing
Thursday, August 20, 2026	Introduction	Recording-1
Friday, August 21, 2026	Water Demand	Recording-2
Monday, August 24, 2026	Population Forecast-1	Recording-3
Tuesday, August 25, 2026	Population Forecast-2	Recording-4
Wednesday, August 26, 2026	Physical Water Quality Parameters	Recording-5
Thursday, August 27, 2026	Chemical Water Quality Parameters-1	Recording-6
Friday, August 28, 2026	Chemical Water Quality Parameters-2	Recording-7
Monday, August 31, 2026	Hardness of Water-1	Recording-8
Tuesday, September 1, 2026	Hardness of Water-2	Recording-9
Wednesday, September 2, 2026	Nitrogen Content-1	Recording-10
Thursday, September 3, 2026	Nitrogen Content-2	Recording-11
Friday, September 4, 2026	Screening, Aeration	Recording-12

Monday, September 7, 2026	Sedimentation-1	Recording-13
Tuesday, September 8, 2026	Sedimentation-2	Recording-14
Wednesday, September 9, 2026	Filteration	Recording-15
Thursday, September 10, 2026	Disinfection	Recording-16
Friday, September 11, 2026	Water Softening-1	Recording-17
Monday, September 14, 2026	Water Softening-2	Recording-18
Tuesday, September 15, 2026	Water Softening-3	Recording-19
Wednesday, September 16, 2026	Chemical Waste Water Treatment Plant	Recording-20
Thursday, September 17, 2026	BOD, COD-1	Recording-21
Friday, September 18, 2026	BOD, COD-2	Recording-22
Monday, September 21, 2026	Dilution	Recording-23
Tuesday, September 22, 2026	Design of Sewer	Recording-24
Wednesday, September 23, 2026	Grit Chamber	Recording-25
Thursday, September 24, 2026	Sedimentation-1	Recording-26
Friday, September 25, 2026	Sedimentation-2	Recording-27
Monday, September 28, 2026	Trickling Filter-1	Recording-28
Tuesday, September 29, 2026	Trickling Filter-2	Recording-29
Wednesday, September 30, 2026	Activated Sludge	Recording-30
Thursday, October 1, 2026	Disposal of MSW	Recording-31
Friday, October 2, 2026	Noise Pollution-1	Recording-32
Monday, October 5, 2026	Noise Pollution-2	Recording-33
Tuesday, October 6, 2026	Noise Pollution-3	Recording-34

Pramod sir : Irrigation Engineering		
Date	Topic	Timing
Recordings will be added on 10th July	Orientation	Recording-1
	Methods of irrigation-1	Recording-2
	Methods of irrigation-2	Recording-3
	Different types of Efficiency of irrigation-1	Recording-4
	Different types of Efficiency of irrigation-2	Recording-5
	Water Requirement of Crops-1	Recording-6
	Water Requirement of Crops-2	Recording-7
	Canal Irrigation System-1	Recording-8
	Canal Irrigation System-2	Recording-9
	Gravity Dam & Spillway-1	Recording-10
	Gravity Dam & Spillway-2	Recording-11
	Different types of forces action on DAM-1	Recording-12
	Different types of forces action on DAM-2	Recording-13
	Different types of forces action on DAM-3	Recording-14
	Different types of forces action on DAM-4	Recording-15
	Different types of forces action on DAM-5	Recording-16
	Water Logging & Reclamation of Saline Soil-1	Recording-17
	Water Logging & Reclamation of Saline Soil-2	Recording-18
	Cross Drainage Work-1	Recording-19
	Cross Drainage Work-2	Recording-20

Pramod sir : Building Material and Construction		
Date	Topic	Timing
Recordings will be added on 10th July	Introduction	Recording-1
	Constituent of Cement	Recording-2
	Composition of Cement-1	Recording-3
	Composition of Cement-2	Recording-4
	Testing of Cement-1	Recording-5
	Testing of Cement-2	Recording-6
	Type of Cement-1	Recording-7
	Type of Cement-2	Recording-8
	Misc.	Recording-9
	Promotion	Recording-10
	Introduction	Recording-11
	Composition of good brick earth	Recording-12
	Classification of brick	Recording-13
	Classification of brick	Recording-14
	Testing of brick-1	Recording-15
	Testing of brick-2	Recording-16
	Type of brick	Recording-17
	masonry of brick	Recording-18
	Misc	Recording-19
	Type of rock	Recording-20
	Test	Recording-21

	Misc.	Recording-22
	Classification of tree	Recording-23
	Defect in timber	Recording-24
	Defect in timber	Recording-25
	Defect in timber	Recording-26
	Sawing of timber	Recording-27
	Seasoning	Recording-28
	Seasoning	Recording-29
	Wood product	Recording-30
	Wood product	Recording-31
	Misc.	Recording-32
	Paint	Recording-33
	Vernish and distemper	Recording-34
	Introduction Of Lime	Recording-35
	Fat lime and hydraulic lime	Recording-36
	Introdcution	Recording-37
	Classification of aggregate	Recording-38
	Bulking of sand	Recording-39
	Water cement ratio	Recording-40
	Workability	Recording-41
	Admixture	Recording-42
	Misc.	Recording-43
	Misc.	Recording-44

	Building Masonary	Recording-45
	Satir	Recording-46
	Door	Recording-47
	Window roofing	Recording-48
	Scaffolding	Recording-49

