STUDY PLAN

Surveying		Irrigation Engineering	
Topic	**Timing**	**Topic**	**Timing**
Types Of Surveying, Principal Of Survey	Recording-1	Orientation	Recording-1
Vernier Caliper And Types	Recording-2	Methods of irrigation-1	Recording-2
Chain Line, Types Of Chain	Recording-3	Methods of irrigation-2	Recording-3
Tape, Correction In Chain Survey	Recording-4	Different types of Efficiency of irrigation-1	Recording-4
Types Of Correction In Chain Survey, Normal Tension	Recording-5	Different types of Efficiency of irrigation-2	Recording-5
Bearing & Measurement Of Bearing	Recording-6	Water Requirement of Crops-1	Recording-6
Whole Circle Bearing & Reduce Bearing System	Recording-7	Water Requirement of Crops-2	Recording-7
Fore Bearing & Back Bearing Calculation-1	Recording-8	Canal Irrigation System-1	Recording-8
Fore Bearing & Back Bearing Calculation-2	Recording-9	Canal Irrigation System-2	Recording-9
Important Definition & Closing Error	Recording-10	Gravity Dam & Spillway-1	Recording-10
Important Definition	Recording-11	Gravity Dam & Spillway-2	Recording-11
Method To Find The Rl	Recording-12	Different types of forces action on DAM-1	Recording-12
Hi Method & Rise And Fall Method	Recording-13	Different types of forces action on DAM-2	Recording-13
Reciprocal Levelling, Calculation Of Rl	Recording-14	Different types of forces action on DAM-3	Recording-14
Important Definition	Recording-15	Different types of forces action on DAM-4	Recording-15
Methods	Recording-16	Different types of forces action on DAM-5	Recording-16
Instruments Of Plane Table Survey	Recording-17	Water Logging & Reclamation of Saline Soil-1	Recording-17
Setting Of Plane Table	Recording-18	Water Logging & Reclamation of Saline Soil-2	Recording-18
Methods	Recording-19	Cross Drainage Work-1	Recording-19
Instrument	Recording-20	Cross Drainage Work-2	Recording-20
Tachometric Equation & Measurement	Recording-21		

Engineering Mechanics		Fluid Mechanics	
Topic	**Timing**	**Topic**	**Timing**
Engineering Mechanics-1	Recording-1	Introduction	Recording-1
Engineering Mechanics-2	Recording-2	Fluid Properties - Part 1	Recording-2
Engineering Mechanics-3	Recording-3	Fluid Properties - Part 2	Recording-3
Engineering Mechanics-4	Recording-4	Newton's Law of Viscosity	Recording-4
Engineering Mechanics-5	Recording-5	Fluid Classification	Recording-5
Engineering Mechanics-6	Recording-6	MCQ Practice (Basics)	Recording-6

Engineering Mechanics-7	Recording-7	Surface Tension & Capillarity - 1	Recording-7
Engineering Mechanics-8	Recording-8	Surface Tension & Capillarity - 2	Recording-8
Engineering Mechanics-9	Recording-9	Pressure Measurement - Basics	Recording-9
Engineering Mechanics-10	Recording-10	Pressure Laws	Recording-10
		Pressure Measuring Devices	Recording-11
		Pressure MCQ	Recording-12
		Buoyancy & Floatation - 1	Recording-13
		Buoyancy & Floatation - 2	Recording-14
		Buoyancy & Floatation - 3	Recording-15
		Hydrostatic Forces - Plane Surface	Recording-16
		Hydrostatic Forces - Curved Surface	Recording-17
		Kinematics Intro + Types + Continuity	Recording-18
		Velocity Potential & Stream Function - 1	Recording-19
		Velocity Potential & Stream Function - 2	Recording-20
		Velocity Potential & Stream Function - 3	Recording-21
		Fluid Dynamics Intro + Bernoulli	Recording-22
		Bernoulli Applications	Recording-23
		Orifice Meter & Pitot Tube	Recording-24
		Laminar Flow - 1	Recording-25
		Laminar Flow - 2	Recording-26
		Laminar Flow - 3	Recording-27
		Laminar vs Turbulent - 1	Recording-28
		Laminar vs Turbulent - 2	Recording-29
		Laminar vs Turbulent - 3	Recording-30
		Boundary Layer Theory	Recording-31
		Vortex Flow (Free & Forced)	Recording-32
		Flow Through Pipes - 1	Recording-33
		Flow Through Pipes - 2	Recording-34
		Flow Through Pipes - 3	Recording-35
		Dimensional Analysis & Modelling	Recording-36
		OCF - 1	Recording-37
		OCF - 2	Recording-38
		OCF - 3	Recording-39
		Impact of Jets - 1	Recording-40

			Impact of Jets - 2	Recording-41
			Hydraulic Turbine Intro & Classification - 1	Recording-42
			Hydraulic Turbine Intro & Classification - 2	Recording-43
			Types of Turbines - 1	Recording-44
			Types of Turbines - 2	Recording-45
			Modeling & Similitude MCQ	Recording-46
			Pumps - 1	Recording-47
			Pumps - 2	Recording-48
			Pumps - 3	Recording-49