



SSC JE 2025

Selection 1.0 (Civil Engineering)



Rahul Sir Fluid Mechanics

Date	Topic	Title	Timing
Recorded	FLUID PROPERTY	Basic introduction	Recorded
Recorded		Bulk modulus , Density	Recorded
Recorded		Specific gravity and Specific Weight	Recorded
Recorded		Viscosity	Recorded
Recorded		Newton law of viscosity	Recorded
Recorded		Fluid classification	Recorded
Recorded	SURFACE TENSION	Surface tension	Recorded
Recorded	CAPILLARY	Capillary	Recorded
Recorded	PRESSURE	Basic , Types of pressure	Recorded
Recorded		Pascal and hydrostatic law	Recorded
Recorded		Pressure measuring device -1	Recorded
Recorded		Pressure measuring device -2	Recorded
Recorded	BUOYANCY AND FLOATATION	Basic concepts , principle of floatation	Recorded
Recorded		Stability condition of submerged body	Recorded
Recorded		Concept of metacentre	Recorded
Recorded		Stability condition of floating body	Recorded
Recorded		Hydro-static forces on plane	Recorded

Recorded	HYDROSTATICS FORCE	Hydro-static forces on curved surface	Recorded
Recorded	FLUID KINEMATICS	Basic and types of flow	Recorded
Recorded		Stream, path and streak line	Recorded
Recorded		Continuity equation	Recorded
Recorded		Velocity and stream function	Recorded
Recorded	FLUID DYNAMICS	Eulers , B.E equation	Recorded
Recorded		Application of B.E Equation	Recorded
Recorded	LAMINAR & TURBULENT FLOW	Basic introduction , shear stress and velcoi	Recorded
Recorded		Pressure drop , friction factor	Recorded
Recorded		Turbulent flow	Recorded
Recorded	FLOW THROUGH PIPE	Major , minor losses	Recorded
Recorded		Concept of equivalent pipe and maximum	Recorded
Recorded	BOUNDARY LAYER THEORY	Boundry layer thoery	Recorded
Recorded	VORTEX MOTION	Free Vortex motion	Recorded
Recorded		Forced Vortex motion	Recorded
Recorded	MODELLING AND SIMLITUDE	Similarity , dimensionless number	Recorded