#### FLUID MECHANICS - GATE

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# Fluid Properties

#### Fluid Pressure and Measurement

## Hydrostatic Forces on Surfaces

# **Buoyancy and Flotation**

## Liquids in Rigid Motion

#### Fluid Kinematics

# Fluid Dynamics

#### Flow Measurement

## Flow through pipes

**Boundary Layer theory** 

#### Laminar flow

#### Turbulent flow

## Dimensional analysis

## External flow-drag and lift

Chapter 16
Hydraulic turbines

# Hydraulic pumps

# Compressible flow