

CE-6451 Fluid Mechanics and Machinery

Important 2Mark Questions

Unit I

1. Differentiate between Steady and Unsteady flow.
2. Explain the variation of viscosity with temperature.
3. Brief on the consequence of Pascal's law.

Unit II

1. Define boundary layer thickness.
2. What are equivalent pipes? Mention the equation used for it.
3. State significance of Navier-Stokes equation.

Unit III

1. Define dimensional homogeneity.
2. Derive the expression for Reynold's number.
3. Explain the types of similarities.

Unit IV

1. What are operating characteristic curves of centrifugal pump?
2. Define slip of the Reciprocating pump.
3. Define cavitation and its effects.

Unit V

1. Distinguish between an impulse turbine and a reaction turbine.
2. Write short notes on draft tube.
3. Discuss the importance of Muschel curves.