

CE 8302 Fluid Mechanics
Important 2mark questions

Unit I

1. Differentiate solid and fluid.
2. State Newton's Law of Viscosity.
3. Determine the specific gravity of a fluid having viscosity 0.05 poise and kinematic viscosity 0.035 stokes.

Unit II

1. What is Euler's equation of motion?
2. Write the integral form of the momentum equation.
3. Describe stream function.

Unit III

1. Describe dimensional homogeneity.
2. What are fundamental dimensions?
3. Describe distorted models.

Unit IV

1. Recall the types of pipe flow based on viscosity.
2. Express Borda-Carrot equation and mention its usefulness.
3. Define major and minor losses.

Unit V

1. Differentiate form drag and skin drag.
2. Who is called the father of modern fluid mechanics and why?
3. Describe Boundary layer.