

FLUID MECHANICS AND HYDRAULICS

Assignment No: 1

Properties of Fluid

1. What do you mean by fluid? Why fluid mechanics is considered as important subject in civil engineering?
2. Explain in detail: Types of fluid.
3. Differentiate between solids, liquids and gases.
4. Explain in detail: Different branches of fluid mechanics.
5. Briefly explain applications of fluid mechanics.
6. Explain in detail: Properties of fluid.
7. Explain in detail: Theory of Surface Tension.
8. Explain in detail: Capillarity
9. Describe in detail: Newton's law of viscosity. Also derive relation between shear stress and viscosity.

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