



PHYSICS

NCERT - NCERT Physics(Telugu)

FLOATING BODIES

Example

1. What is the effective density of the mixture of water and milk when

- (i) they are taken with same masses
- (ii) they are taken with same volumes



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Application On Concepts

1. Find the pressure at a depth of 10 m in water if the atmospheric pressure is 100kPa.

$$[1Pa = 1N/m][100kPa = 10^5 Pa = 10^5 N/m^2 = 1atm.] (AS_1)$$



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Let Us Improve Our Learning Application Of Concepts

1. A solid sphere has a radius of 2 cm and a mass of 0.05 kg.

What is the relative density of the sphere? (AS_1)



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2. A small bottle weighs 20 g when empty and 22 g when filled with water. When it is filled with oil it weighs 21.76 g. What is the density of oil ? (AS_1)



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3. Find the pressure at a depth of 10m in water if the atmospheric pressure is 100kPa.

$$[1Pa = 1N/m^2] [100kPa = 10^5 Pa = 10^5 N/m^2 = 1 \text{ atm.}]$$

(AS_1)



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