



SACRED HEART SCHOOL

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ASSIGNMENT (2020– 2021)

Class - X

Subject – PHYSICS

Assignment questions based upon online class

1. What is relative refractive index? Derive the relation between the one medium to another.
2. Find the relative refractive index of the medium-1 with respect to medium-2 when $\mu_1 = 1.65$ and $\mu_2 = 1.36$ are the refractive index of the respective medium.
3. “The refractive index of kerosene is 1.44”. What is meant by this statement?
4. The refractive index of dense flint glass is 1.65, and for alcohol, it is 1.36 with respect to air. What is the refractive index of the dense flint glass with respect to alcohol?