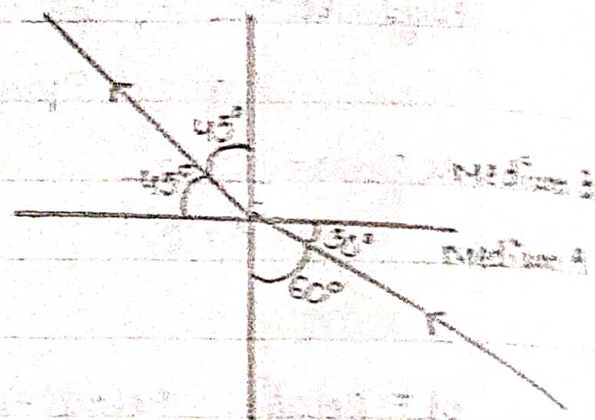# HOME ASSIGNMENT

1) Figure shows a ray of light as it travells from medium A to medium B. Refractive index of the medium B relative to medium A is

A- Refractive index $= \dfrac{\sin i}{\sin r}$

$$= \dfrac{\sin 60}{\sin 45} = \dfrac{3}{2}$$

2) You are given water, mustard oil, glycerine and kerosene. In which of these media a ray of light incident obliquely at same angle would bend the most?

(a) Kerosene

(b) water

(c) Mustard oil

(d) Glycerine