

Max. Marks: 4

Questions: 1

Q.1 Two non-mixing liquids of densities ρ and $n\rho$ ($n > 1$) are put in a container. The height of each liquid is h . A solid cylinder of length L and density d is put in this container. The cylinder floats with its axis vertical and length pL ($p < 1$) in the denser liquid. The density d is equal to

[NEET 2016 (Phase 1)]

- (1) $\{2 + (n - 1)p\}\rho$ (2) $\{1 + (n - 1)p\}\rho$
(3) $\{1 + (n + 1)p\}\rho$ (4) $\{2 + (n + 1)p\}\rho$

Scan or tap for the full solution

[illegible]