

15. The angle of elevation of a cloud from a point h metres above a lake is β . The angle of depression of its reflection in the lake is 45° . The height of location of the cloud from the lake is

(1) $\frac{h(1 + \tan \beta)}{1 - \tan \beta}$ (2) $\frac{h(1 - \tan \beta)}{1 + \tan \beta}$ (3) $h \tan(45^\circ - \beta)$ (4) none of these