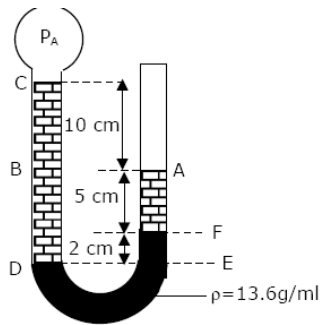


Q.1]

Refer to Figure, the absolute pressure of gas A in the bulb is:



Q.2]

A dam is having a curved surface as shown in the figure. The height of the water retained by the dam is 20m; density of water is 1000 kg/m^3 . Assuming g as 9.81 m/s^2 , the horizontal force acting on the dam per unit length is:

