Numerical:

8. In a hydraulic machine, a force of 2 N is applied on the piston of area of cross section 10 cm^2 . What force is obtained on its piston of area of cross section 100 cm^2?

12. A force 50 KGF is applied to the smaller piston of a a hydraulic machine. Neglecting friction, find the force exerted on the large piston, if the diameters of the Piston are 5 cm and 25 CM respectively.