Liquid-1

VMC Vidyamandir Classes SINCE 1986

IIT JEE | MEDICAL | FOUNDATION

	Hilan'd is at	rest w.z.t	Container"
#	TIYAYOSTANS	d is moving	w. r. + Containe
#	119070 out of the second	-	<u> </u>
#	Surface Tension > Capillany	_ _	
11-	Viscosika (Smkan le)		/

Ideal : > "Incompressible Hy drostatios liquid at rest w. + autain of liquid) # { PR = Pa + egh) (PB-PA)N=AxhPg PB-PA=Pgh or F1= (PA) + PaxA + mg = PaxA

as dougthy is very las hence PB = Pm law of Hydrosterlis # A Stationary Container having Ideal Eliquid (fluid), aloy horizonte line poersus unt be some

who Same amout maxima pressup h37h27h1

RAFFE PO DA exerted by liquid on dr=bdx ______ Po (bdn) dF = (PotPjn) bdn fret = Pgb Sndn $=\left(\rho_{3} \frac{h^{2}}{2}\right)$ force by liquidor wall

- 4 1-1-1-

Po = atoughing

0) 66 flad force

$$= \left(\frac{\rho g b h^2}{2}\right) \frac{dy}{dy}$$

Fret = f

Point or Application of force 3

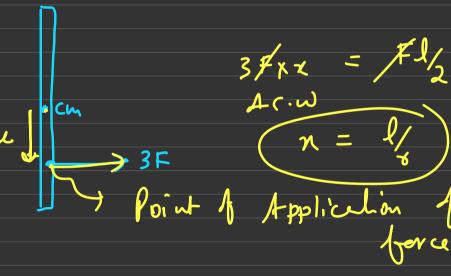


honzontal, foichall Smoth sufrce leg

$$(T_{not})_{cm} = (2F \times l_2 - F \times l_2) \qquad Ac. \omega$$

$$= F \cdot I - F \cdot l_2 = F \cdot l_2$$

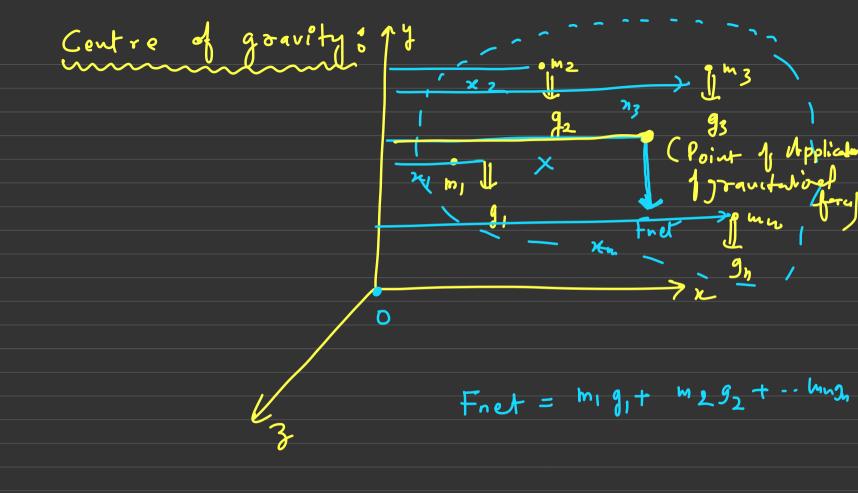
$$A \cdot c \cdot \omega$$



$$\frac{dt_0}{dt_0} = dfx(h-n)$$

$$\frac{dt_0}{dt_0} = \left(\frac{f}{g}x \right) dx(hn)$$

$$P_{0} = P_{0} = P_{0$$



due Indivi- To = M19, x1 + M292 72 + - - - Mn9h xn
dual fore (M1)1+m292+.. mngn): X1 due net (thet) = # Point of Application
of grave taking X = m19/x1+ m2/272+ -- wng670 m19/+m29/2+ -- - wng670 # centre & gravity

Gifin Uniform gravitational field 91-92=93-9h

$$\frac{2}{2} = \frac{1}{2} + \frac{1}$$

$$\frac{e_{1}h_{1}}{e_{2}h_{2}}$$

$$=\frac{e_{3}h_{1}+e_{2}}{2}$$

$$=\frac{3e_{3}h_{2}+e_{2}}{2}$$

$$=\frac{3e_{3}h_{2}}{2}$$

$$=\frac{3e_{3}h_{2}}{2}$$

$$=\frac{3e_{3}h_{2}}{2}$$

(ii)

