DIPLOMA STUDENTS IN TECHNICAL STUDIO BY BHANU PRATAP SINGH

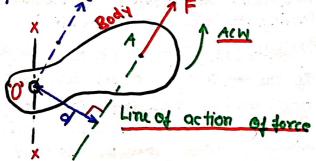
WNIT I) " MOMENT AND COUPLE"

MOMENT



The moment of a force is a measure of its fendency to cause a body to rotate about a specific point or axis.

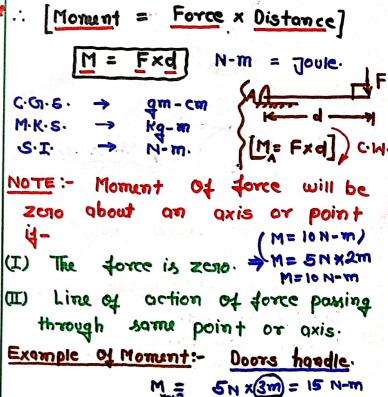
The Moment is equal to the force applied by the distance away from the pivot.

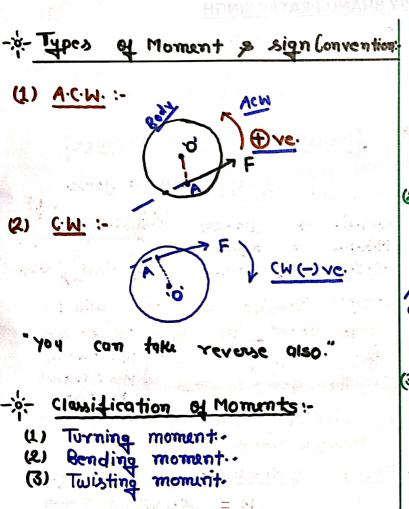


d -> force (N)

d -> L' distance of line efaction

of force from o'.





(1) Turning Moment: the body is free to rotate at its support or pivot the Moment Fermoted by thu force Monunt. Bending Moment: A B.M. is the reaction induced in a structual exement when an external force ormoment is applied to the element Cousing the element to bend. (3) Twisting Moment: (N-m) If the ends of a beam are held and one end is twisted C.W. OY A'C.W. then this B.M. is called twisting momen+ (or) Torsion Moment or torque.