

SNS COLLEGE OF ENGINEERING

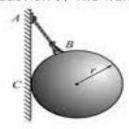
Kurumbapalayam (Po), Coimbatore – 641 107 Accredited by NAAC-UGC with 'A' Grade Approved by AICTE & Affiliated to Anna University, Chennai



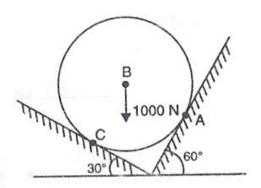
GE8292-ENGINEERING MECHANICS

TUTORIAL-2

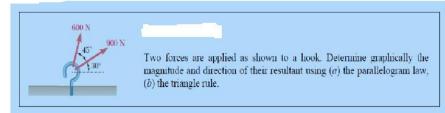
A smooth sphere of mass 2kg is supported by a chain as shown in fig. The length of chain AB is equal to the radius of the sphere. Draw free body diagram of each element and find the tension in the chain and reaction of the wall.

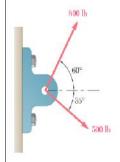


2. Find the support reactions using Lami's theorem.



3.





Two forces are applied as shown to a bracket support. Determine graphically the magnitude and direction of their resultant using (a) the parallelogram law, (b) the triangle rule.