

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

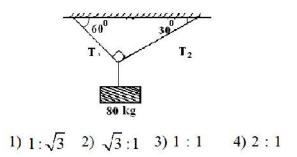


## **GE8292-ENGINEERING MECHANICS**

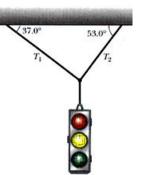
## **TUTORIAL-1**

1.

A man of 80 kg is supported by two cable as shown the tension ratio of  $T_1 : T_2$  is



2. A signal pendant weighing 80 N is supported by two cables as shown in figure. Determine the tensions  $T_1$  and  $T_2$  in the cables



3. Two loads of 30 N and  $W_F$  are hung by a set of wire ropes as shown in figure. Determine the tensions in the wire ropes AB, BC and CD. Also determine the unknown weight  $W_F$  hung at the point B.

