

## DPP – 1 (NLM)

Video Solution on Website:-

<https://physicsaholics.com/home/courseDetails/53>

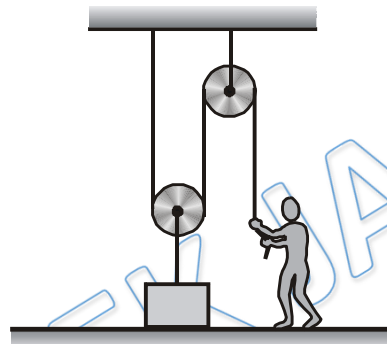
Video Solution on YouTube:-

<https://youtu.be/bzzArA15vcQ>

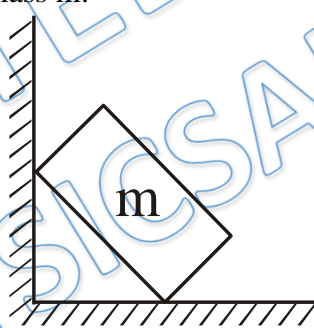
Written Solution on Website:-

<https://physicsaholics.com/note/notesDetails/75>

- Q 1. Draw FBD of both pulleys, man and block:  
(pulleys are massless)

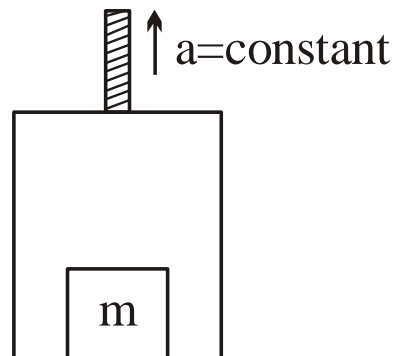


- Q 2. Draw FBD of block of mass  $m$ :

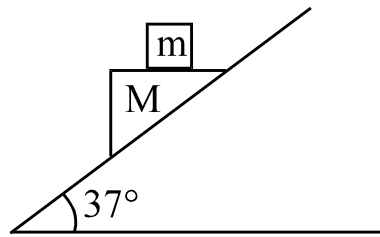


All surface smooth

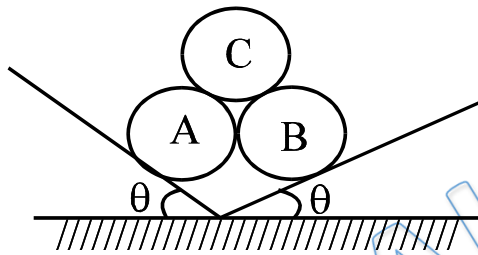
- Q 3. Draw FBD of block of mass  $m$ :



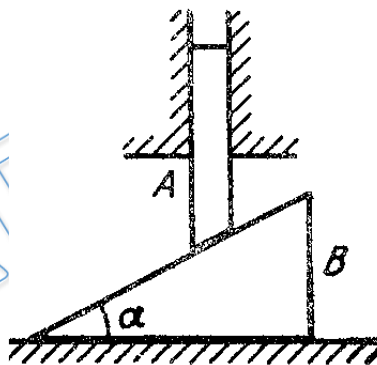
- Q 4. Draw FBD of both the blocks  
(all surfaces are smooth)



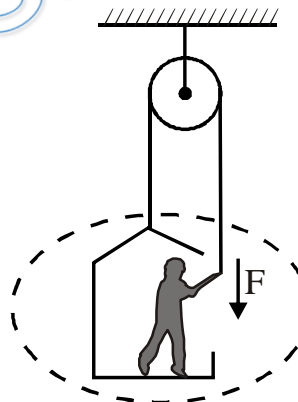
Q 5. Draw FBD of all spheres:



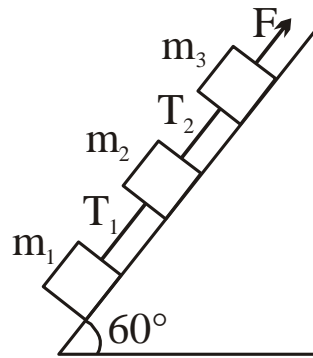
Q 6. Draw FBD of rod A:



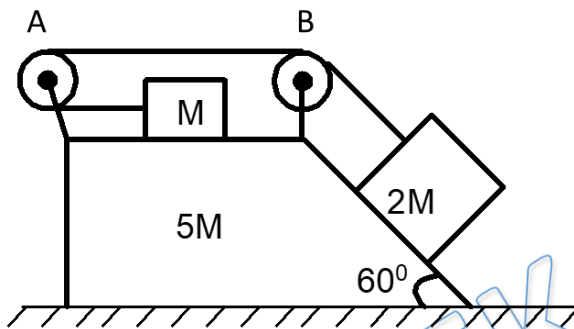
Q 7. Draw FBD of man and cabin:



Q 8. Draw FBD of all three blocks & wedge:



Q 9. Draw FBD of block of mass  $2M$  & Pulley B:



Q 10. Draw FBD of block C and pulley 2:

