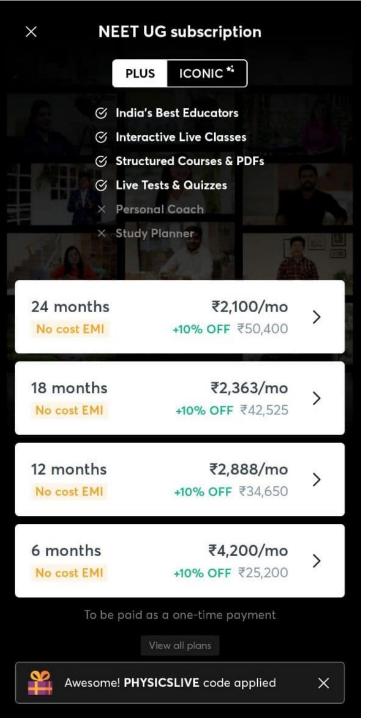




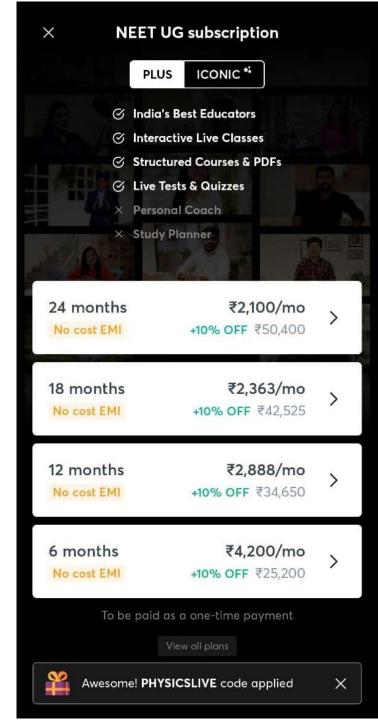
SIR PRATEEK JAIN

- . Founder @ Physicsaholics
- . Top Physics Faculty on Unacademy (IIT JEE & NEET)
- . 8+ years of teaching experience in top institutes like FIITJEE (Delhi, Indore), CP (KOTA) etc.
- . Produced multiple Top ranks.
- . Research work with HC Verma sir at IIT Kanpur
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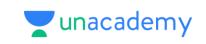
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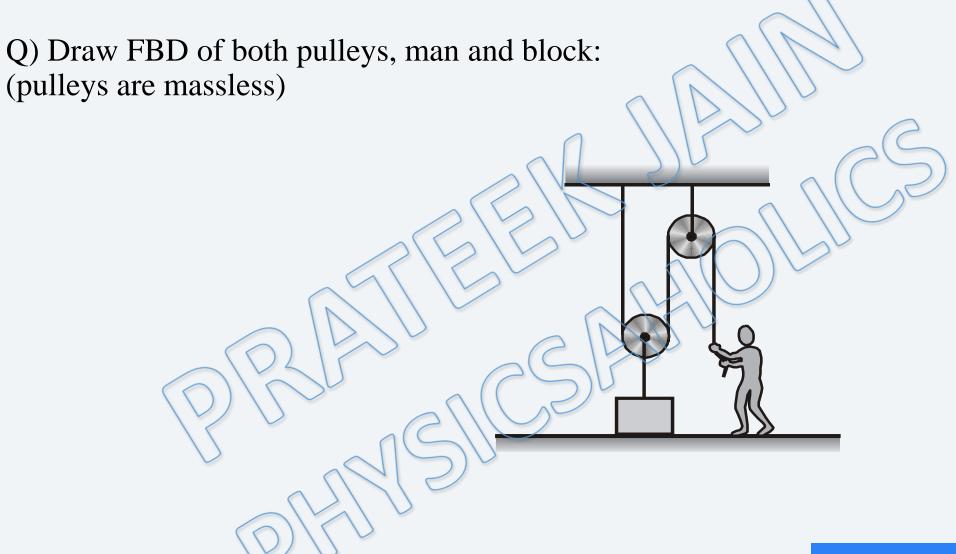
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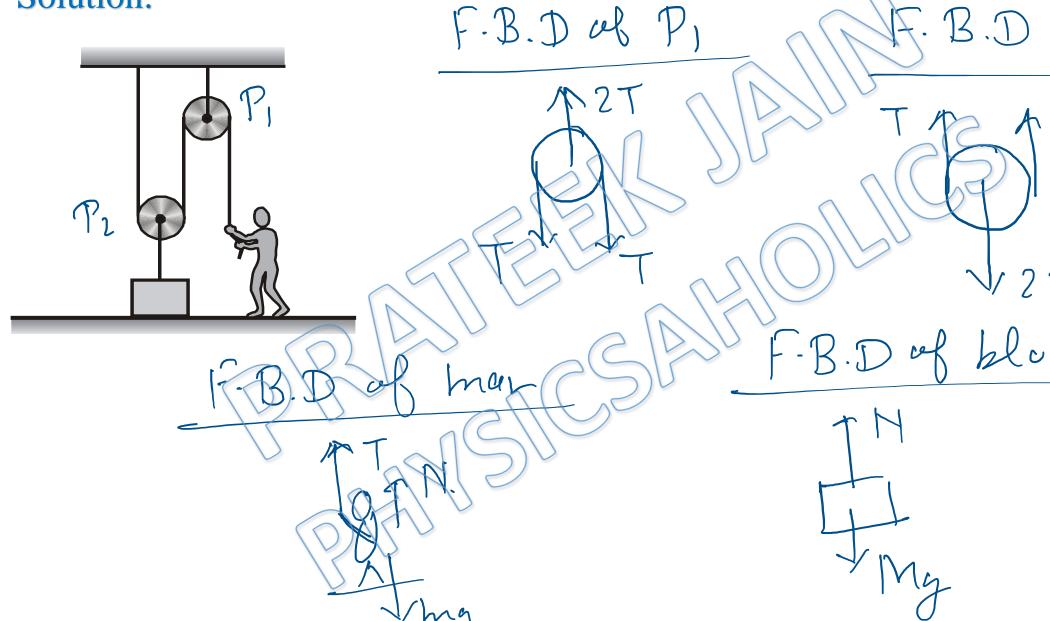
JEE Main & Advanced, NSEP, INPhO, IPhO Physics DPP

DPP-1 NLM: Free Body Diagram
By Physicsaholics Team



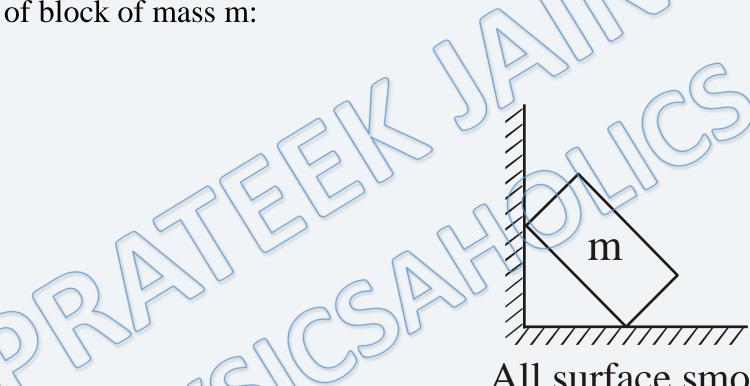


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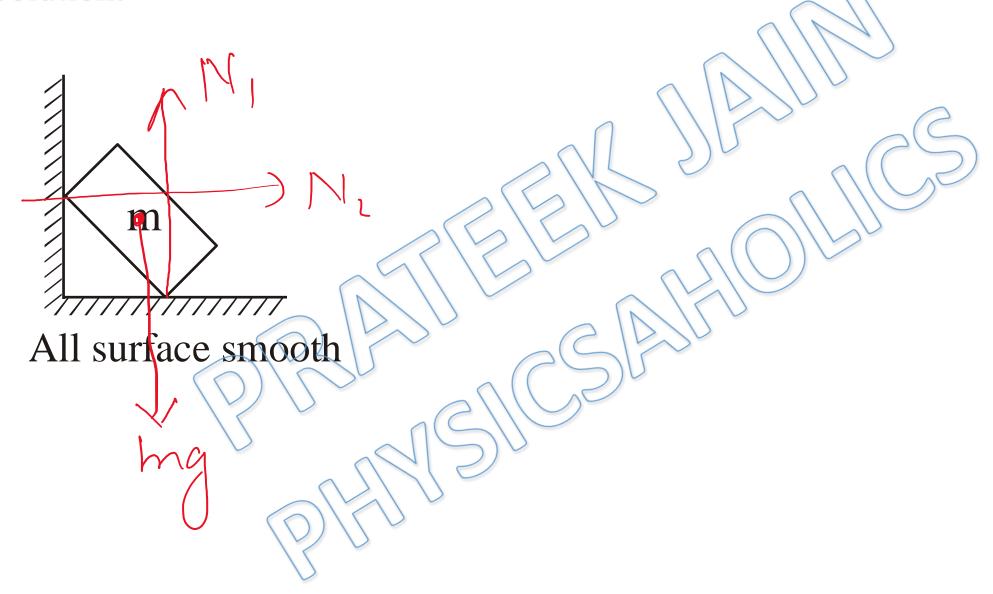






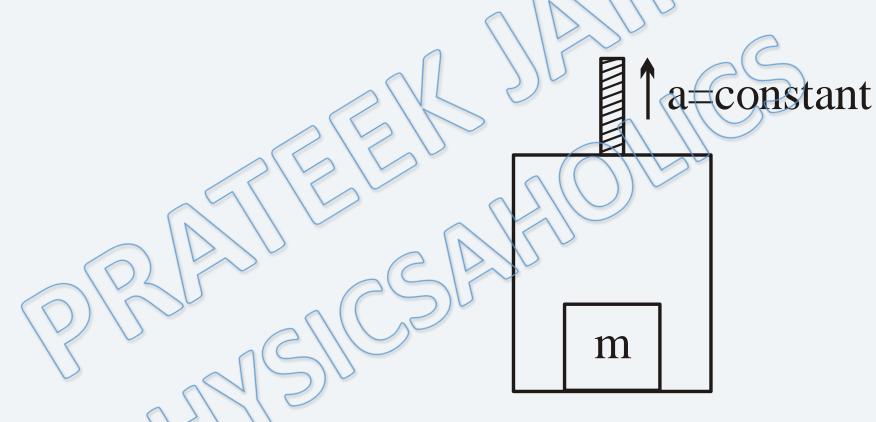
All surface smooth

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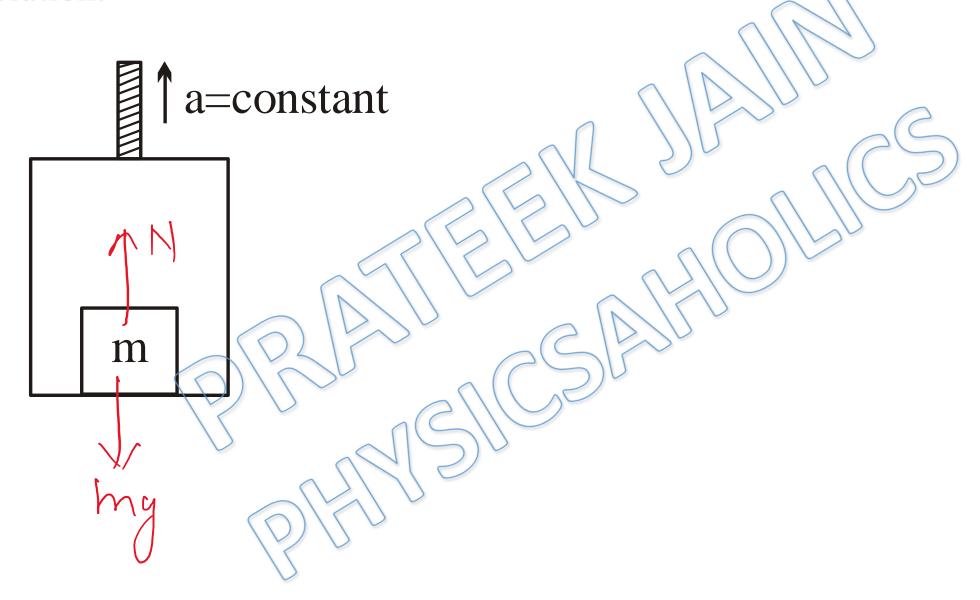




Q) Draw FBD of block of mass m:

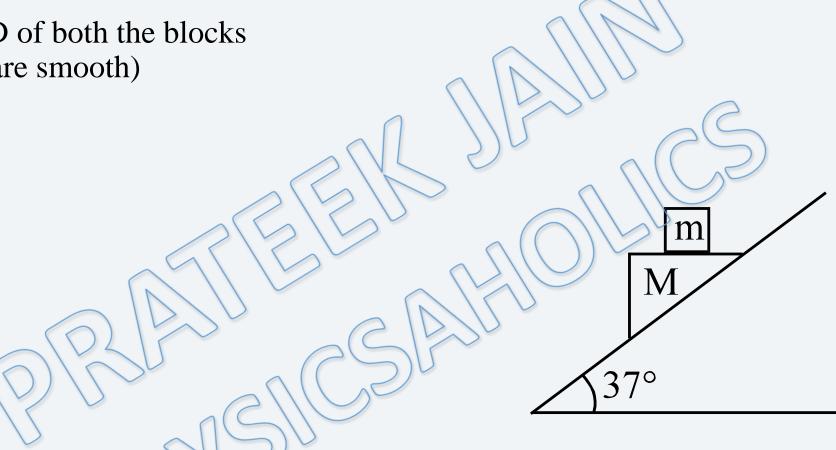


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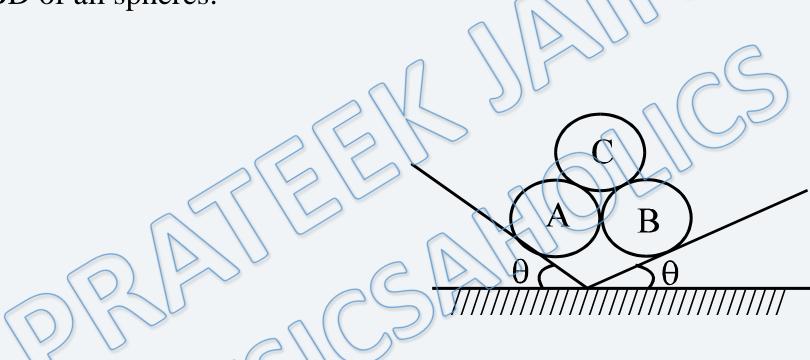
Q) Draw FBD of both the blocks (all surfaces are smooth)



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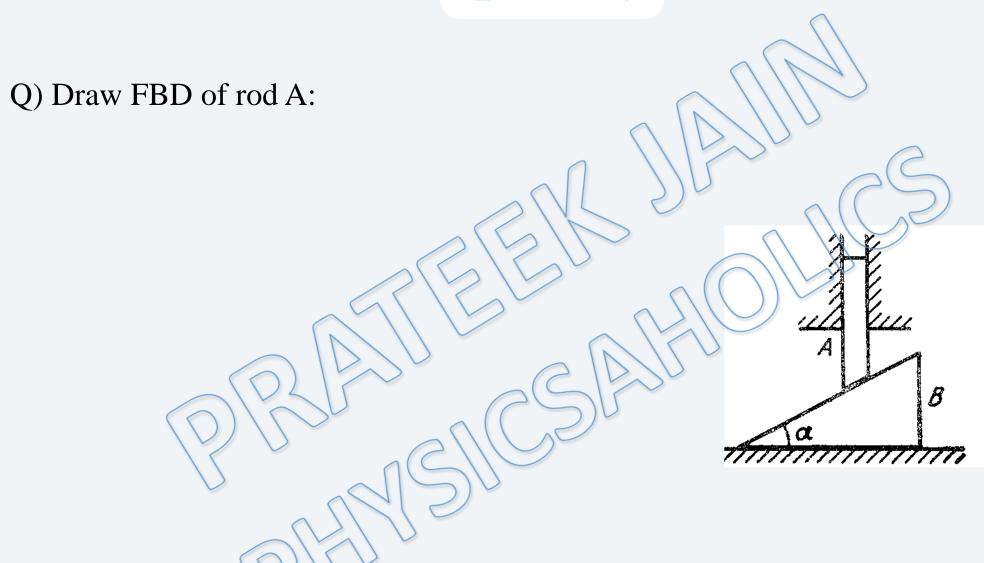
Q) Draw FBD of all spheres:



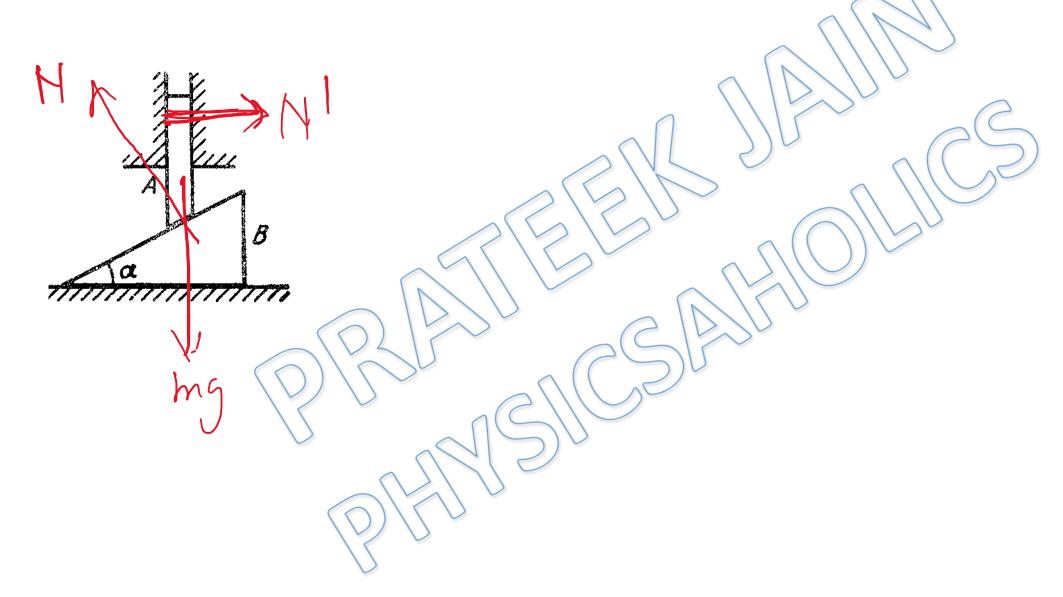
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Solution: AC bJ Floh () F.B.D of B 11 (by plan on B)



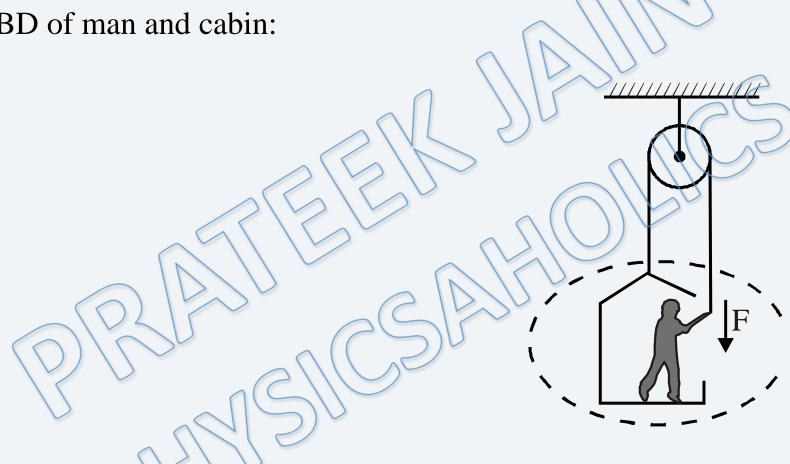


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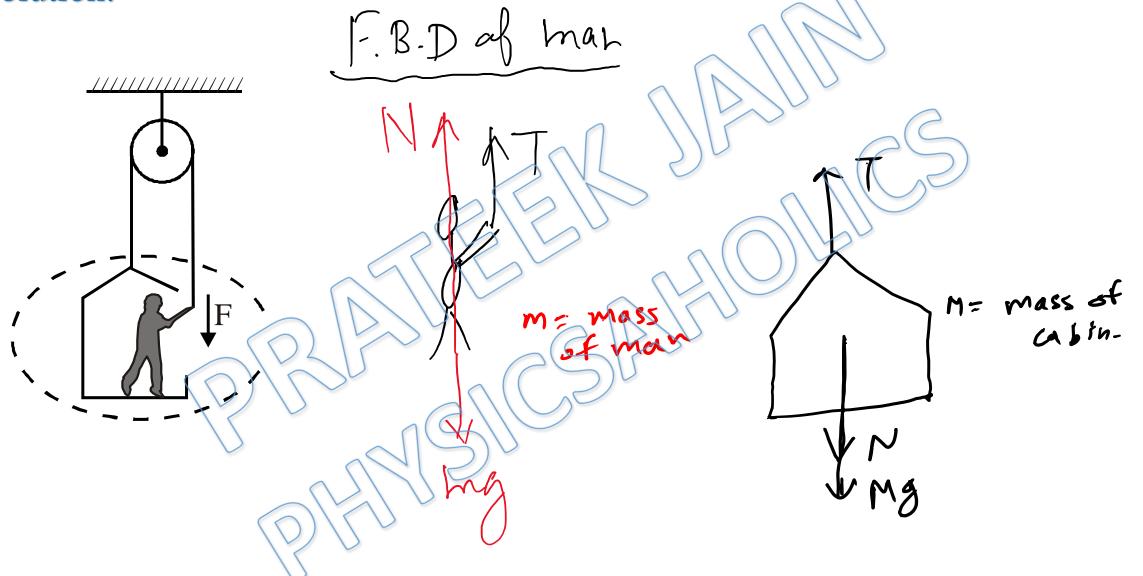




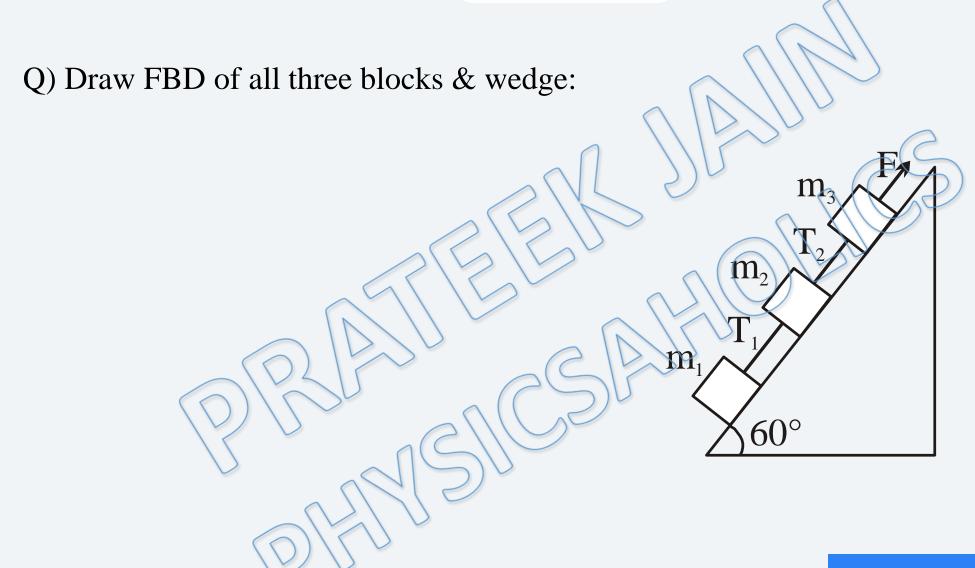
Q) Draw FBD of man and cabin:



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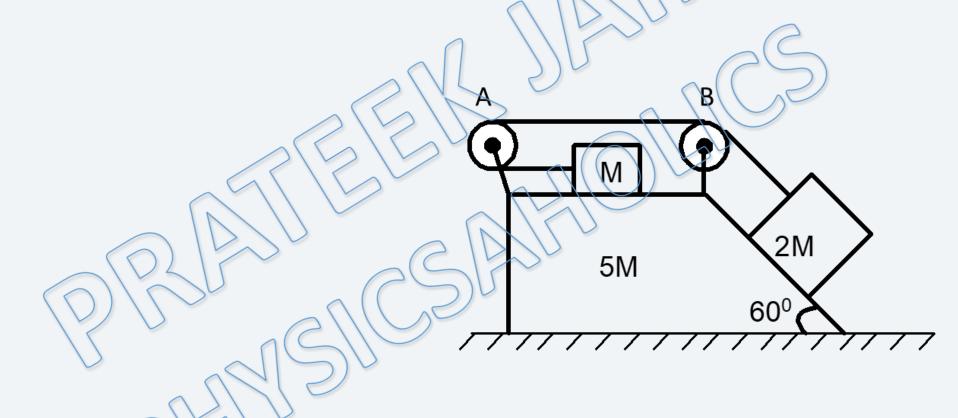


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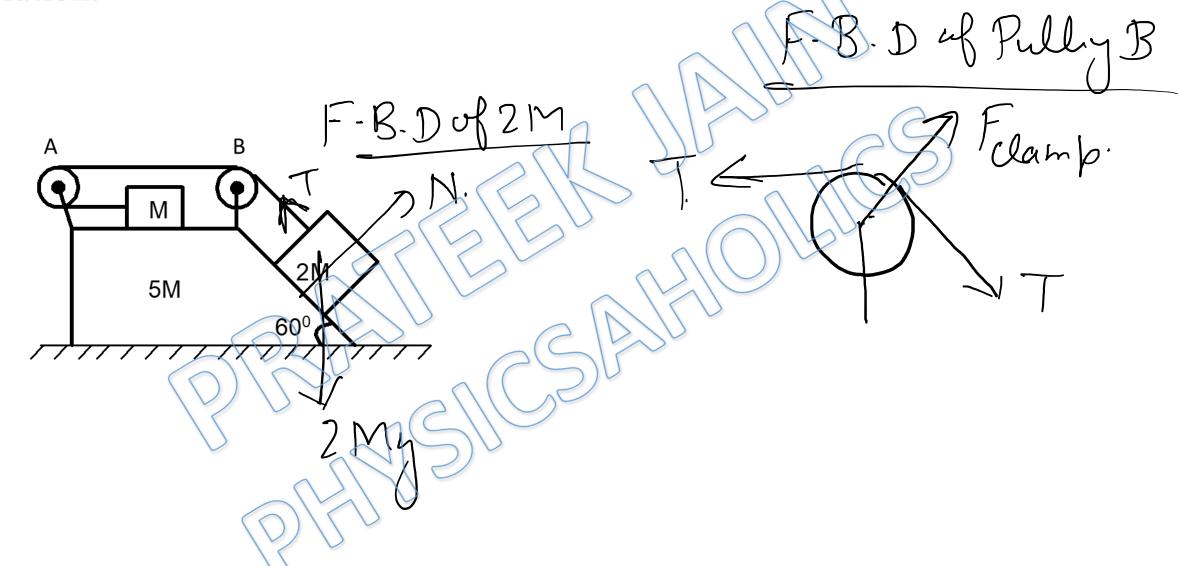
F-B.Dofm2 Solution: m_3 m_2 m_1 60°

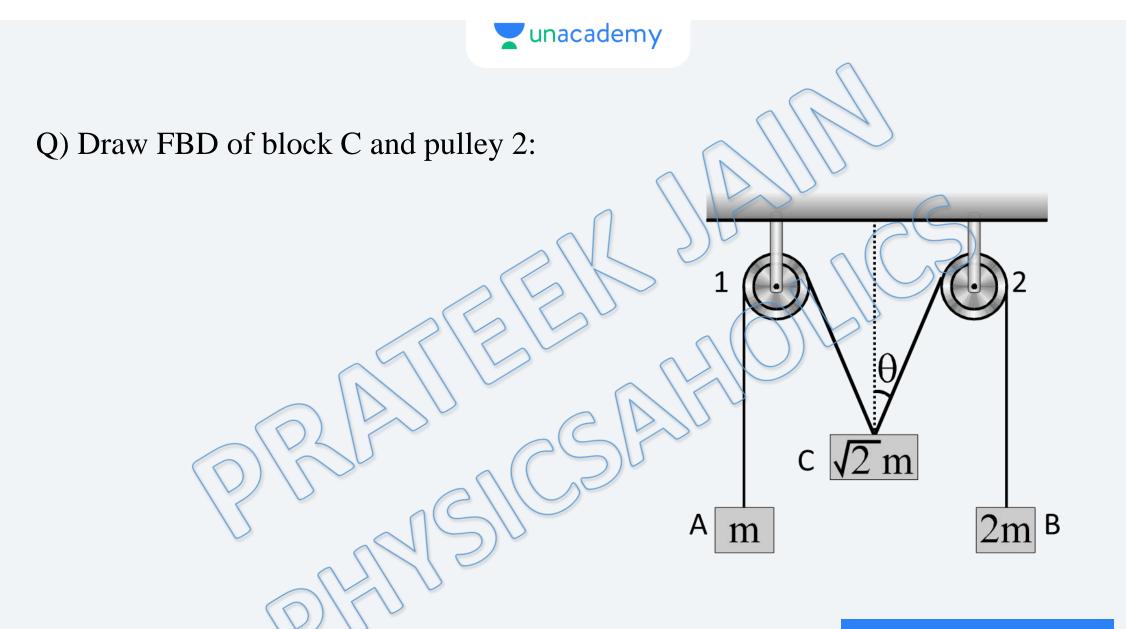


Q) Draw FBD of block of mass 2M & Pulley B:



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