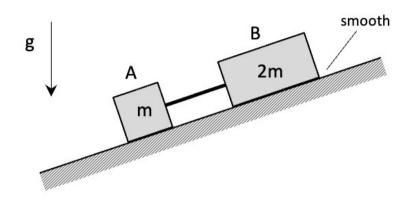
ME 274 – Spring 2024 – 1:30 – Quiz 5



Q1. Energy for block A alone is conserved (HINT: consider FBD of A alone):

TRUE a)

rigid nod carries no lead

FALSE b)

Q2. Energy for block B alone is conserved (HINT: consider FBD of B alone):

TRUE a)

rigid nod carries no lad

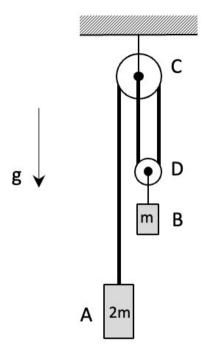
b) **FALSE**

Q3. Energy for blocks A and B together is conserved (HINT: consider FBD of A and B together):

TRUE a)

regardless of load in rod, the load is internal for A+B

b) **FALSE**



Q4. Energy for block A alone is conserved (HINT: consider FBD of A alone):

a) TRUE

b) FALSE



Q5. Energy for block B alone is conserved (HINT: consider FBD of B alone):

a) TRUE

b) FALSE



Q6. Energy for blocks A and B together is conserved (HINT: consider FBD of A and B together):

a) TRUE

b) FALSE

Tension is an inknal force, no work on AHB