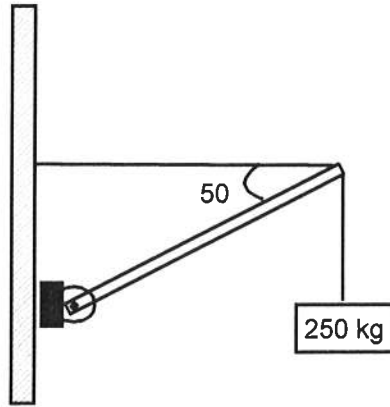6.   Tarleton engineering students have built the following structure using some physics stings, a 12.00 m long uniform beam of mass of 250 kg and a 250kg block. The beam is pinned to the wall as shown. A

A.   Draw complete free body diagrams for both the 250 kg block and the beam.

B. Find the tension in each string and the components of the force where the beam is pinned to the wall.