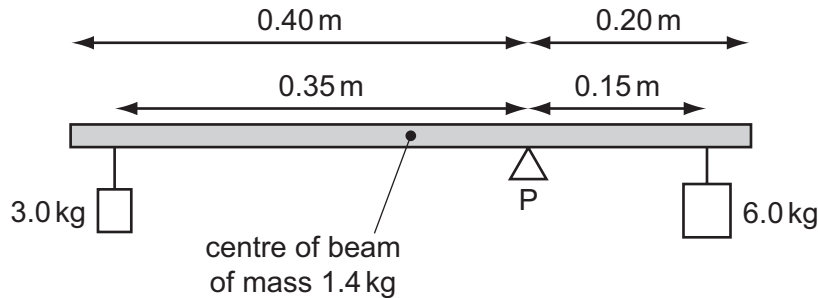


- 14** A uniform beam of mass 1.4 kg is pivoted at P as shown. The beam has a length of 0.60 m and P is 0.20 m from one end. Loads of 3.0 kg and 6.0 kg are suspended 0.35 m and 0.15 m from the pivot as shown.



What torque must be applied to the beam in order to maintain it in equilibrium?

- A** 0.010 Nm **B** 0.10 Nm **C** 0.29 Nm **D** 2.8 Nm

- 15** A ball is thrown vertically upwards