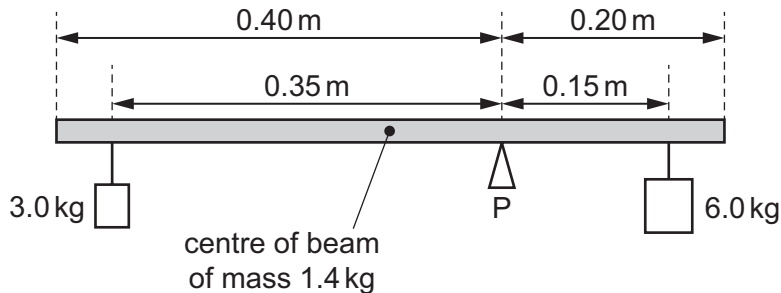14 A uniform beam of mass 1.4 kg is pivoted at P, as shown. The beam has a length of 0.60 m and P is a distance of 0.20 m from one end. Loads of 3.0 kg and 6.0 kg are suspended at distances of 0.35 m and 0.15 m from the pivot, as shown.

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

A 0.010 N m   **B** 0.10 N m   **C** 0.29 N m   **D** 2.8 N m

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