



A horizontal uniform rod 1.00 m long and of mass 2.0 kg is pivoted at P. A 2.0 kg mass is hung 0.40 m from P and the rod is supported horizontally by a string Q which is 0.90 m from P. Which of the following is correct?

- A** Force exerted by string Q is 2.0 N upwards.
- B** Force exerted by string Q is 20 N upwards.
- C** Force exerted on the rod at P is 2.0 N downwards.
- D** Force exerted on the rod at P is 20 N downwards.