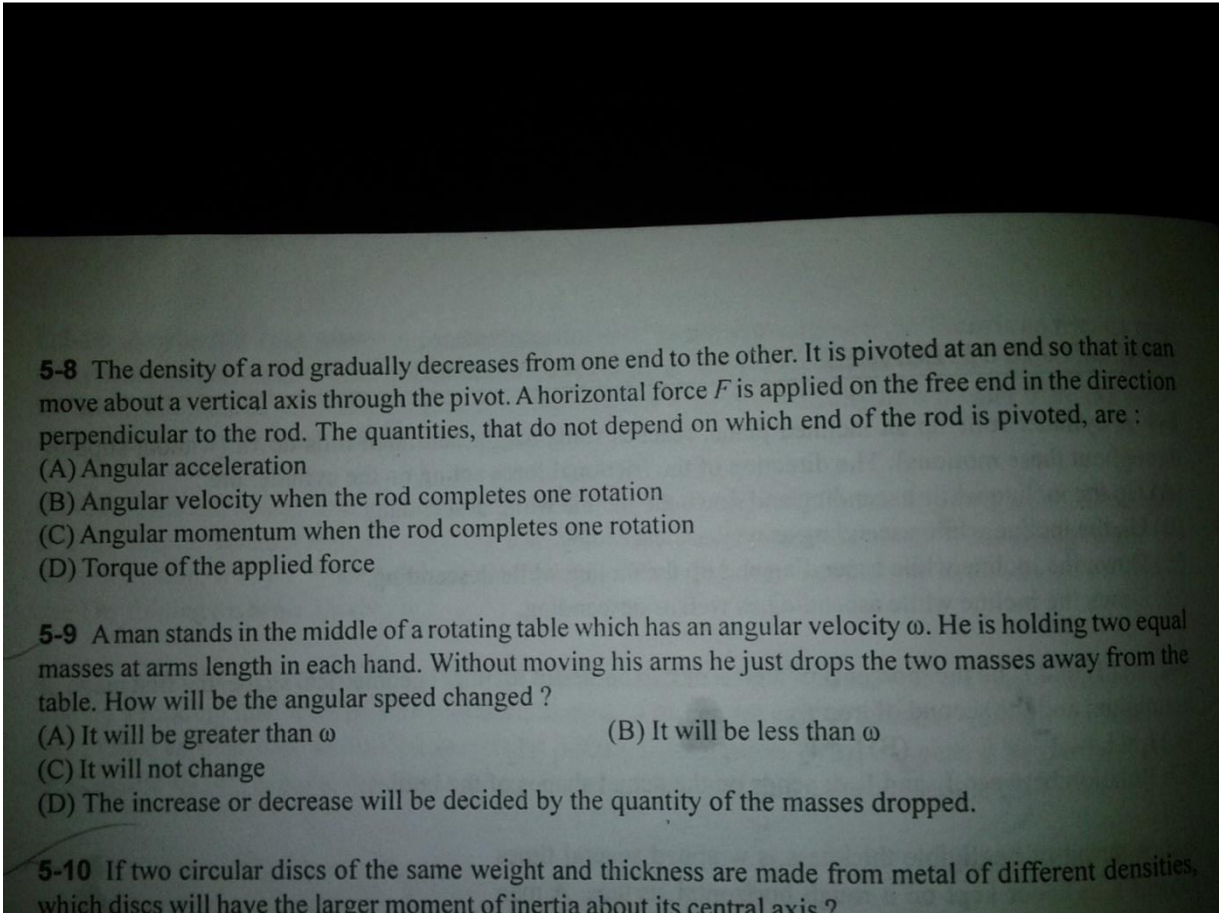


Answer on Question#56546 - Physics - Mechanics - Relativity



Solution:

(A), (B) and (C) depend on the moment of inertia of the rod about one of its ends, which depend on which end it's pivoted. The only quantity that doesn't depend on it is the torque, since the force and the distance from the axis to the point to which it's applied is the same for both cases.

Answer: (D).