A particle P of mass 0.3 kg is attached to one end of a light elastic string of natural length 0.6 m and modulus of elasticity 24 N. The other end of the string is attached to a fixed point O. The particle P is released from rest at the point 0.4 m vertically below O.

(i) Find the greatest speed of P. [5]

(ii) Calculate the greatest distance of P below O. [3]