**Stacked Particles**

1. A light scale-pan is attached to a vertical light inextensible string. The scale pan carries two masses, A and B. The mass of A is 400g and the mass of B is 600g. A rests on top of B.

The scale pan is raised vertically with an acceleration of 0.5ms-2.

1. Find the Tension in the string
2. Find the force exerted on mass B by mass A
3. Find the force exerted on mass B by the scale pan

C Alt (Consider particles as one)