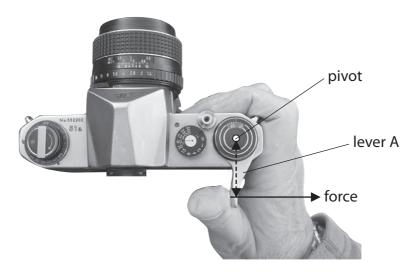
5 Photograph **C** shows a student using an old camera that uses film.



Photograph **C**

(a) The film is pulled through the camera using lever A.

The student pushes on lever A with a force of 7.0 N.

The force is applied 0.04 m from the pivot.

(i) State the equation linking moment, force and distance.

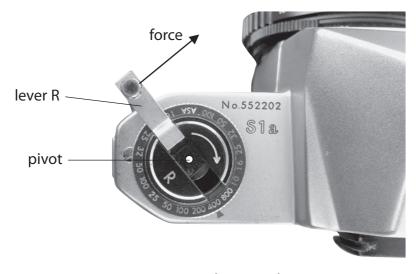
(1)

(ii) Calculate the moment of the force that turns lever A and give the unit.

(3)

Moment =unit

(b) When all the film has been used, it is pulled back through the camera using lever R.



Photograph **D**

The force acting on lever R is only 0.02 m from its pivot.

(Total for Question 5 = 6					marks)	
						(2)
Explain Willy	the minimum	Torce riceace	a to tarrieve	ir it is likely to	be more than	(2)
Explain why	the minimum	force needed	to turn leve	r R is likely to	be more than	7 N

