Question Number	Answer		Mark
17(a)	Max 2		
	Object must be a sphere	(1)	
	Low speed/velocity	(1)	
	Laminar flow	(1)	2
17(b)(i)	Use of $F = 6\pi \eta r v$	(1)	
	Subtraction of two forces	(1)	
	Resultant force = $7 \times 10^{-6} \text{ N}$	(1)	3
17(b)(ii)	Use of $F = 6\pi \eta r v$ with $F = 2.3 \times 10^{-5} \text{N}$	(1)	
	$v = 7.6 \times 10^{-3} \mathrm{m \ s^{-1}}$	(1)	2
17(c)	Larger diameter gives larger drag force (at given speed) Or	(1)	
	Larger diameter gives a lower speed (for the same constant force)	(1)	
	Lower temperature so viscosity is greater	` /	
	Greater viscosity gives larger drag force (at given speed) Or		
	Greater viscosity gives lower speed (for the same constant force)	(1)	
	Maximum speed will decrease (dependent on MP1 and MP3)	(1)	4
	Total for question 17		11