Question Number	Answer		Mark
2(a)	Any PAIR from:	(1)	
	$\ln V = \ln V_0 - bt$	(1)	2
	Is in the form $y = c + mx$ and the gradient is $-b$ which is constant		
	Or		
	$\ln V = -bt + \ln V_0$		
	Is in the form $y = mx + c$ and the gradient is $-b$ which is constant		
	MP2 dependent on MP1, allow reference to straight line		
2(b)	Open the tap and start recording time (simultaneously)	(1)	
	Record volumes at successive time intervals Or		
	Record the time taken to fall to specific volumes	(1)	
	Read to the bottom of the meniscus	(1)	
	Any ONE from:		
	Ensure transparent tube is vertical	(1)	
	Use a stopwatch \mathbf{Or} laptimer to measure t	(1)	
	Keep stopwatch close to the tube	(1)	
	Refill to same initial volume and repeat to take a mean	(1)	
	Record many measurements of V and t	(1)	
	Open the tap to same position each time	(1)	4
2(c)	Any PAIR from		
	It may be difficult to measure V and t simultaneously	(1)	
	which will affect random error	(1)	
	Or		
	There is liquid below the scale	(1)	
	which will introduce systematic error	(1)	
	Or		
	Air may be trapped in the tap	(1)	
	which will affect random error	(1)	2
	MP2 dependent on MP1		
	Total for question 2		8