

Question		Marking details	Marks Available
(f)	(i)	Mean value correct (1) [expected value $\sim 10.05 \text{ s}^2$ ] (no sig fig or unit penalty). Percentage uncertainty correct to 1 or 2 sig figs (1) [expected value $\sim 1\%$ ]. Intercept values $10.14 \text{ s}^2$ and $9.96 \text{ s}^2$ give a value of $10.05 \pm 0.09 \text{ s}^2$ , i.e. a % uncertainty of $\sim 0.9\%$ .	2
	(ii)	$H$ calculated correctly (1) <b>ecf</b> . Uncertainty correct and values quoted to appropriate significant figures. (1) <b>ecf</b> The expected values are $2.50 \pm 0.03 \text{ m}$ also accept $2.500 \pm 0.025 \text{ m}$ .	2
		<b>Total</b>	<b>25</b>