

- (iii) Calculate a value for  $g$  and comment on its accuracy.

[3]

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- (f) (i) Calculate the mean value of the intercept on the  $T^2$  axis and its **percentage** uncertainty. [2]

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- (ii) Hence determine the height of the laboratory giving a value for its **absolute** uncertainty. (Assume  $g = 9.81 \text{ ms}^{-2}$ .) [2]

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**END OF PAPER**