



General Certificate of Education

Mathematics 6360

MM2A Mechanics 2A

Report on the Examination

2008 examination - January series

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Written Component

General

There was a very small entry for this paper which will be set for the last time in June 2008.

Candidates found questions 1 to 4 straightforward, and answered them well. The only common error in these questions was the failure to give the angle to the nearest degree in question 3(c). The latter questions were answered reasonably well, with two exceptions: question 5(c) and question 7(b).

Question 5

In part (c), candidates did not show a full force diagram. Thus they usually obtained

$$T_{PB} = \frac{mv^2}{r}, \text{ omitting the term } T_{PA} \sin \theta.$$

Question 7

In part (b)(ii), the candidates appreciated that the differential equation needed to be solved by separating the variables. However, the resulting integral $\int \frac{dv}{v^2}$ was found challenging by some and the $+c$ term required was often omitted.

Coursework Component

There were too few pieces of work submitted in this series to enable any meaningful feedback to be given.

Mark Ranges and Award of Grades

Grade boundaries and cumulative percentage grades are available on the [Results statistics](#) page of the AQA Website.