



- Find the tension in the string and the magnitude of the acceleration of the particles. [5]

[illegible]

[illegible]

- (b)** It is given instead that the plane  $BC$  is rough. A force of magnitude  $3\text{ N}$  is applied to  $Q$  directly up the plane along a line of greatest slope of the plane.

Find the least value of the coefficient of friction between  $Q$  and the plane  $BC$  for which the particles remain at rest. [5]

This image shows a full page of a handwriting practice worksheet. It consists of ten sets of horizontal dashed lines spaced evenly down the page, providing a guide for letter height and placement. The background is plain white, and there are no other markings or text present.