5 A moving electron has a de Broglie wavelength of 656 nm.

Which of the following could be used to determine the speed of the electron?

☒ **A** $\dfrac{6.63\times10^{-34}}{(656\times10^{-9})(9.11\times10^{-31})}$

☒ **B** $\dfrac{(656\times10^{-9})(9.11\times10^{-31})}{6.63\times10^{-34}}$

☒ **C** $\dfrac{(656\times10^{-9})(6.63\times10^{-34})}{9.11\times10^{-31}}$

☒ **D** $\dfrac{9.11\times10^{-31}}{(656\times10^{-9})(6.63\times10^{-34})}$

(Total for Question 5 = 1 mark)