

# Automated Exam Paper

November 7, 2024

1. Calculate the energy equivalent of a mass using  $E = mc^2$ . Assume  $m = 2$  kg.
2. What is the value of Avogadro's number?
  - A.  $6.022 \times 10^{23}$
  - B.  $6.022 \times 10^{24}$
  - C.  $3.141 \times 10^{23}$
  - D.  $1.414 \times 10^{23}$