24 Which value is a possible wavelength for radiation in the ultra-violet region of the electromagnetic spectrum?

A $3 \times 10^{-2}\,\text{m}$ **B** $3 \times 10^{-5}\,\text{m}$ **C** $3 \times 10^{-8}\,\text{m}$ **D** $3 \times 10^{-10}\,\text{m}$