

- 33** A piece of conducting putty is in the shape of a cylinder of length 60 mm and diameter 20 mm. The resistance between the ends of the cylinder is  $20\ \Omega$ .

What is the resistivity of the putty?

- A**  $0.033\ \Omega\text{m}$       **B**  $0.10\ \Omega\text{m}$       **C**  $0.42\ \Omega\text{m}$       **D**  $5.2\ \Omega\text{m}$

- 34** Which statement about the relationship between frequency ( $f$ ) and wavelength ( $\lambda$ ) is correct?