

- 25** An a.c. supply with peak voltage  $V_o$  and frequency  $f$  delivers a mean power  $P$  when connected across a load resistor.

With the peak voltage now  $\frac{1}{2} V_o$  and frequency  $2f$ , which expression gives the new mean power in the resistor?

**A**  $P/4$

**B**  $P$

**C**  $\sqrt{2}P$

**D**  $2P$