

- 25** When a fixed resistor is connected across an a.c. source of peak voltage 150 V, the power dissipated is 13 W. Two such fixed resistors are now connected in series to the electrical mains of 240 V r.m.s.

What is the total power dissipated in the resistors?

- A** 17 W                      **B** 33 W                      **C** 47 W                      **D** 67 W

- 26** A fixed resistor is connected to a 240 V a.c. source. The power dissipated in the resistor is 13 W. Two such fixed resistors are now connected in series to the electrical mains of 240 V r.m.s. What is the total power dissipated in the resistors?