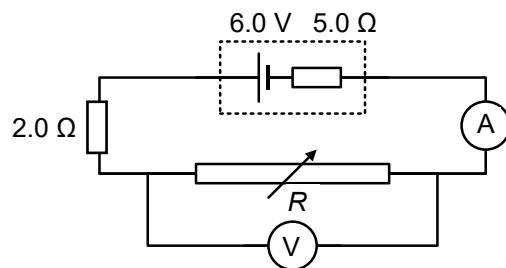


- 20** A battery of e.m.f. 6.0 V, and internal resistance, 5.0Ω is connected in series to a fixed resistor of 2.0Ω and a variable resistor R which has resistance between 0Ω and 10Ω , as shown below. The ammeter and the voltmeter are both ideal.

Determine the maximum power delivered to the variable resistor R .



- A** 1.08 W **B** 1.29 W **C** 2.08 W **D** 7.20 W