

- 20** A battery has e.m.f. $E = 12\text{ V}$ and internal resistance $r = 3.0\Omega$. The load resistor R is initially set for maximum power transfer P . If R is doubled, what is the power delivered to the load?
- A** $0.44P$
- B** $0.67P$
- C** $0.89P$
- D** $1.0P$