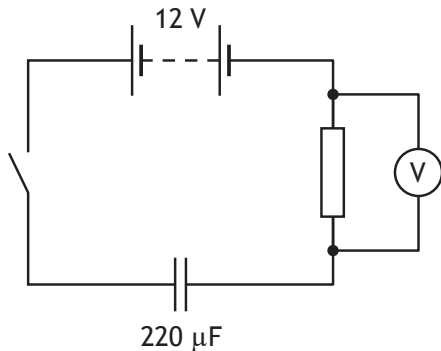**22.** A circuit is set up as shown.

The battery has negligible internal resistance.

The capacitor is initially uncharged.

The switch is now closed.

When the reading on the voltmeter is 7.0 V, the charge stored on the capacitor is:

A 3.1×10^{-5} C

B 4.4×10^{-5} C

C 1.1×10^{-3} C

D 1.5×10^{-3} C

E 2.6×10^{-3} C.