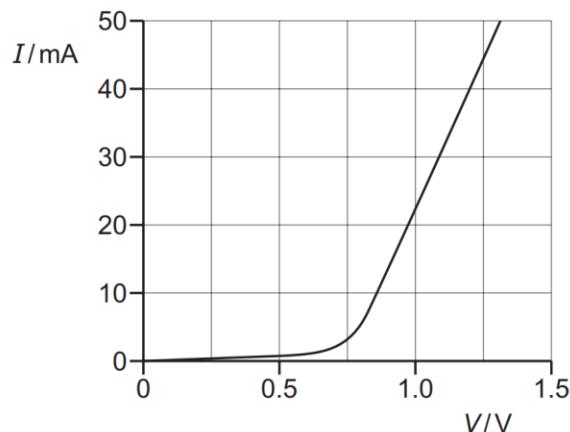
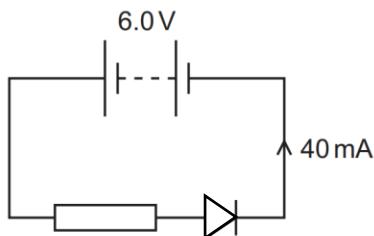


- 22 A fixed resistor and a diode are connected in series to a battery of electromotive force 6.0 V and negligible internal resistance. The graph shows the variation with potential difference V of the current I for the diode.



The current in the diode is 40 mA.

What is the resistance of the fixed resistor?

A 30 Ω

B 120 Ω

C 150 Ω

D 180 Ω