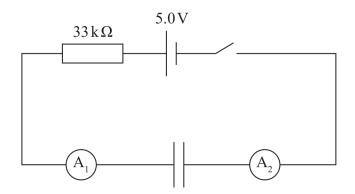
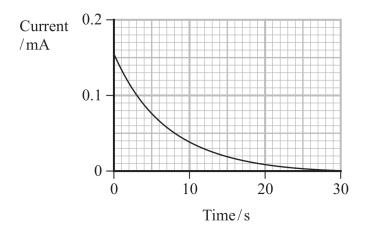
14 A student built the circuit shown. The capacitor was initially uncharged.



She closed the switch and plotted a graph of current on ammeter A<sub>1</sub> against time.



(a) Determine whether the initial value of current on the graph is consistent with the values stated on the circuit diagram.

(2)

(b) Explain how the current on ammeter A<sub>2</sub> would vary over the same time interval.

**(2)** 

(Total for Question 14 = 11 marks)